

November 15, 2014

Mr. Kenny Voss, P.E., Local Program Administrator
Missouri Department of Transportation
105 West Capitol Avenue, P. O. Box 270
Jefferson City, Missouri 65102

Re: **Letter of Interest**
Local Public Agency (LPA) / Traffic Engineering & TEAP Services

Dear Mr. Voss:

Klingner & Associates, P.C. is very interested in providing Traffic Engineering & TEAP services to Local Public Agencies in Missouri. Klingner has been providing professional civil engineering services for over 100 years. Our Transportation Department provides the following traffic related services:

- Intersection improvements
- Intersection Design Studies (IDS)
- Traffic signal and roundabout design
- Intersection warrant studies
- Conceptual geometry and channelization
- Traffic modeling, evaluation and simulation
- Traffic generation analysis
- Intersection lighting
- Traffic impact studies
- Traffic signal timing
- Accident analysis
- Permit coordination

Software utilized includes McTrans HCS-2010 suite, SIDRA Intersection, and AutoTurn. Detailed traffic counts when not provided by the LPA or MoDOT will be obtained through Miovision.

GENERAL EXPERIENCE:

The following is a partial list of traffic related projects that Klingner & Associates have designed for state and local clients:

Hannibal Board of Public Works – I-72 Business Park – Hannibal, MO – Klingner prepared a traffic study for a new 116 acre multi-use business park near the I-72 & Shinn Lane interchange. Traffic counts at 8 locations were obtained and traffic projections for the proposed site were developed. We then calculated the LOS at the various locations and then determined what improvements need to be made to the various intersections. Recommendations included a dual lane roundabout and adding additional lanes to the existing roadways.

Ayers Oil Company – US 61 & State Route P – Canton, MO – Klingner & Associates prepared a traffic impact study for a new convenience store and restaurant at the Route P interchange in Canton, MO. The study included traffic projections for the development, level of service analysis, and recommendations for traffic control. The study was then submitted to MoDOT to obtain the required permits.

City of Palmyra, MO – Master Street Plan - Provided a master street improvement map which depicted short term, intermediate and long term improvements on roadway, intersections, and multi-use trails within the City of Palmyra, Missouri. The base map depicted improvements as presented in the Master Street and Intersection Plan as outline and presented during US 61 intersection improvement discussions held by the Missouri Department of Transportation. The map also depicted the proposed improvements

by construction timelines as the City's needs were identified. The plan was then submitted to City officials for comment with one update made.

City of Quincy, IL - Maine Street 30th to 36th - As part of the Phase I Design Study, Klingner projected the change in traffic counts due to the reconfiguration of access to the Quincy Senior High School parking lot, prepared an accident study, and prepared an intersection design study for the addition of a fourth leg to an existing signalized intersection. Project was partially funded through the Safe Routes to School Program.

Adams County, IL, Highway Department – 48th Street - Road Diet –Klingner & Associates is preparing studies and plans for the implementation of a road diet to a 1.3 mile section of 48th Street near Quincy. The existing 4 lane roadway will be reduced to 3 lanes with bike lanes. The project includes 3 intersection design studies to evaluate the signal timing, pavement striping, and overall operation.

City of Quincy, IL – Various Intersections – Klingner & Associates has conducted traffic, intersection design, and signal timing studies for the following intersections in Quincy, IL:

- North 12th Street & Broadway (IL 104)
- South 36th (IL 96) & Harrison St.
- South 48th & Harrison St.
- South 3rd (IL 57) & York St.
- North 36th & Broadway (IL 104)
- North 52nd & Broadway (IL 104)
- North 36th & Quincy Commons

PERSONNEL:

The following individuals perform the key functions within the Klingner organization for traffic design projects and will be responsible for the successful completion of these on-call projects:

Steven E. Bange, P.E. – Transportation Department Head / Project Engineer with 19 years of experience in transportation design with Klingner & Associates. He has been directly involved in location and preliminary design studies, permit applications, hydraulic studies, construction plan preparation, and special provisions for numerous projects.

Eric B. Barnes, P.E. – Project Engineer with 21 years of transportation design experience. e has been directly involved in location and preliminary design studies, permit applications, construction plan preparation, and special provisions for numerous projects.

Stephen R. Wavering, P.E. – Traffic/Geometrics engineer with 28 years of experience, and 12 years as project engineer for the city of Quincy involving construction of various transportation projects. He is experienced in drainage calculations, drainage basin stormwater design, retention and detention basins, traffic signals and control, intersection design studies, and other transportation related work.

Mark C. Bross, P.E. – Project Engineer with 18 years of experience. Mark has worked with numerous local agencies in Missouri. He was project manager for the sidewalk projects in Frankford, Kahoka, and Clarksville, MO. Experience includes design, project management, and coordination with regulatory and funding agencies.

Curt S. Wavering, P.E. - Project Engineer with 14 years of experience in various site designs with features including storm water detention, and storm water design, sanitary sewer design, municipal water design, parking lot layout, lighting configurations, and pavement design for shopping centers, restaurants, hospitals, hotels, and manufacturing facilities. He assisted in and performed flood plain determinations for streams as well as completing site drainage studies as part of site storm water design

Stephen Hartman, PE – Project Engineer for Klingner & Associates, P.C. since 2014. Steve is well versed in the engineering and construction fields, and has extensive experience in civil project design and inspection, and overall project management. His engineering experience includes design, survey, and project management for roadway, sewer, drainage, combined sewer separation and other municipal facility improvements. He has coordinated design and construction activities of these projects with state agencies such as IDNR and IDOT.

Additional staff will be utilized as needed to complete the project team for any given project. We will assign staff and resources to meet the project schedule and established deadlines. The relationship we have nurtured with regulatory and funding agencies will result in fewer delays and resubmittals which can ultimately move projects back.

To meet our client's needs and schedules, the K&A managerial approach and philosophy for any project focuses on three concepts:

- Project Management
- Communication and Coordination
- Quality Control / Quality Assurance

All Traffic Engineering & TEAP projects for Missouri Local Public Agencies will be managed in our Hannibal office, with assistance from the Quincy office as needed to complete the work in an efficient and timely manner.

Your consideration of Klingner & Associates is greatly appreciated.

Very truly yours,

KLINGNER & ASSOCIATES, P.C.



Steven E. Bange, P.E., Transportation Department Manager

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TRANSPORTATION SERVICES

Our design professionals **quality** look for creative, cost-effective, and sustainable solutions to meet our client's and the community's needs when taking a project from **knowledgeable** concept to completion. The transportation staff teams with Klingner's other **innovative** engineering departments to utilize their knowledge and experience. The results of this **cost-effective** collaboration are safe, functional, and attractive facilities to connect people and places.



Your trusted solution.

Our reputation rests on our attention to detail and correctness of solution. We pledge this attention to all of our projects.

KLINGNER
& ASSOCIATES, P. C.
Engineers • Architects • Surveyors

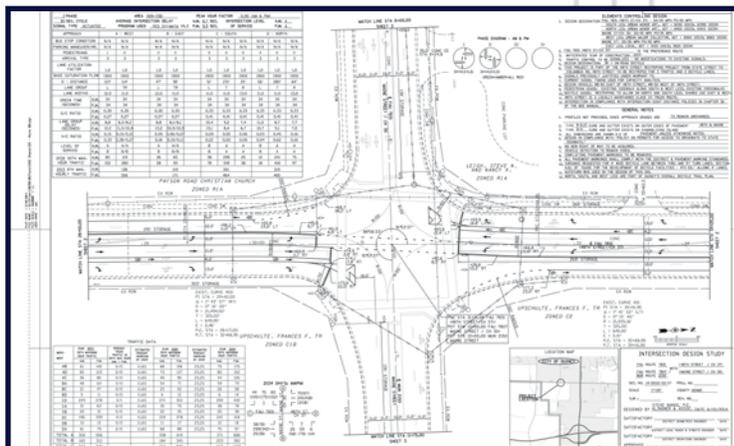
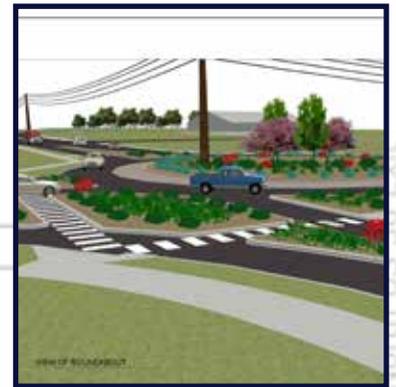
TRAFFIC ENGINEERING PROJECTS

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North U.S. 36 Entrance

TRANSPORTATION PROJECT TEAM



Steve Bange, PE

Department Manager of Transportation Department
Project Engineer with 19 years of experience in transportation design.
Professional Engineer: Illinois, Missouri, Iowa

Curt Wavering, PE

Project Engineer with 14 years of experience in various site designs.
Professional Engineer: Illinois, Missouri, Iowa

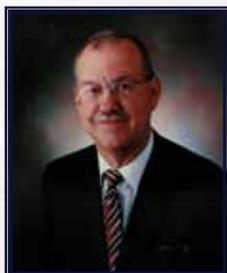


Eric Barnes PE

Project Engineer with 21 years of transportation design experience.
Professional Engineer: Illinois, Missouri, Iowa

Stephen Hartman , PE

Project Engineer with 21 years of engineering experience.
Professional Engineer: Iowa
FHWA Bridge Inspection
FHWA Steel Bridge Inspection



Stephen Wavering, PE

Traffic/Geometrics engineer with 28 years of experience, and 12 years as project engineer for the city of Quincy.
Professional Engineer: Illinois, Missouri, Michigan

Mark Bross, PE

Project Engineer with 18 years of experience. with municipal transportation projects.
Professional Engineer: Illinois, Missouri, Iowa



TRANSPORTATION *Services*

The transportation engineering professionals of Klingner offer the following services:

- FREEWAY, HIGHWAY, AND STREET DESIGN
- TRAFFIC STUDIES AND MODELING
- SIGNALIZED AND ROUNDABOUT INTERSECTION DESIGN
- COMPLETE STREETS / ROADWAY DIETS
- PROWAG ACCESSIBILITY ANALYSIS AND DESIGN
- MASTER PLANNING / CONTEXT SENSITIVE SOLUTIONS
- DESIGN AND LOCATION STUDIES
- NEW BRIDGE AND BRIDGE REHABILITATION DESIGN
- BRIDGE / CULVERT HYDRAULICS AND HYDROLOGY
- BRIDGE INSPECTION AND RATING
- BRIDGE AND ROADWAY LIGHTING
- RAILROAD TRACK AND STATION DESIGN
- INTERMODAL FACILITIES
- ROADWAY / UNDERPASS PUMP STATIONS



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