

November 11, 2013

MoDOT Local Programs Administrator  
MaryAnn.Jacobs@modot.mo.gov

RE: LPA Construction Inspection

Trabue, Hansen & Hinshaw, Inc. (*THHinc*) is pleased to submit this response to MoDOT's request for letters of interest for providing *LPA Construction Inspection*.

We are interested and qualified in participating in an "on-call services" contract because:

1. We are familiar with these types of services based on our past experiences with MoDOT and other governmental agencies.
2. We are located in Columbia, Missouri allowing us to provide efficient and cost effective services throughout the State.
3. We have worked on projects directly for MoDOT as well as on roadway design projects for developers, municipalities, institutions and other local agencies.
4. We have an excellent team that is highly qualified for these projects.

*THHinc* is a full service consulting engineering firm established in 1996 to provide *quality technical solutions and personal service to institutional, municipal, corporate, and private client*. Our current team of over thirty includes engineers, engineering and survey technicians, land surveyors, construction inspectors, and administrative support personnel; each having long-standing relationships with valued clients.

The following discipline-specific services would be self-performed by *THHinc* staff:

<b>Discipline</b>	<b>Specific Areas of Expertise</b>
Civil Engineering	Land Planning, Water Distribution, Sanitary & Storm Water Systems, Parks, Roadways, Parking Lots, Hydraulic Modeling
Structural Engineering	Buildings, Equipment Support Structures, Foundation Systems, Existing Structure Investigation, Bridges & Culverts
Transportation Engineering	Municipal Streets, Highway Design, Traffic & Parking Studies, Bridge Analysis & Design
Construction Administration	Contractor Evaluation, Coordination & Scheduling, Construction Observation, Reports & Records, Payment Evaluation & Approvals
Surveying	Boundary, Design & Topographic Surveys, Construction Staking

In addition to these services, *THHinc* has strong working relationships with many A/E firms throughout the industry and has the ability to contract their services based on the requirements of each specific project.

We anticipate assigning specific individuals or teams to a project based on the specific need of that individual assignment. However, we wanted to highlight the experience of several of the key staff that we anticipate would be involved in the majority of projects.

*Gene R. Hinshaw, P.E. - President* - Gene began his engineering career with MoDOT working in the Construction and Bridge Design sections. He has over thirty years of experience in managing and directing multidisciplinary projects. In addition to the MoDOT experience, he has experience with the Division of Design and Construction and the City of Columbia prior to entering private industry. We anticipate Gene would serve as the Principal for any LPA projects.

Tom A. Trabue, P.E., CDT - Vice President of Operations - Tom is a managing principal of the firm and serves as the overall Director of Design. He has been involved in the administration, right-of-way coordination, and design. Tom served as the Director of Public Works for Boone County, Missouri (Columbia) and was responsible for maintaining and improving an 850 mile road / bridge infrastructure. His responsibilities included preliminary design and layout, including bridge hydraulics, structural design, and construction field services.

John V. Huss, P.E., CDT, NSPE - Civil Team Leader - John has over 20 years of varied professional experience in the design of streets, highways, enhancements, and stormwater hydraulics. Projects have included urban reconstruction such as Osteopathy Ave. in Kirksville and East Broadway in Columbia. Highway projects have included Route 47 widening in Troy and Route 54 intersection south of I-70 at Kingdom City. Rural projects have included Nifong Blvd in Columbia and Jamison Road in Kirksville. Enhancement projects have included downtown beautification and trails such as the Iowa River Trail in Iowa City, IA.

John L. Smith, P.E., S.E. - Project Engineer - John has extensive bridge experience ranging from the design of a bridge on the I 270 and I 170 interchange in the St. Louis area to the design of numerous county bridges around the state of Missouri. Some of the counties where he had bridge projects include Monroe, Ralls, Pike, Callaway, Boone, Knox, Morgan and Miller. He is versed in Federal as well as local funding projects and has worked closely with the Corps of Engineers throughout his career as well as the other agencies.

Tom Wooten, P.E., Project Engineer - Tom has extensive experience on both design and construction of sidewalk, streetscape and enhancement type projects. Overall Tom has 17 years of experience in design of civil projects and was instrumental in the completion of the City of Sturgeon - *STP Sidewalk Improvements* - surveying, civil design, construction administration and periodic observation for sidewalks connecting the two Schools within Sturgeon. *Phase 2 Sidewalk Improvements* was the continuation of additional sidewalks within the city limits.

Kris Bezenek, P.E., S.E. - Structural Team Leader - Kris has served clients as both a designer and project coordinator. This broad range of experience allows Kris to provide clients with economical and constructible designs that meet their needs. While specializing in prefabricated steel, timber and concrete structures, Kris' experience and competence covers the complete list of structural materials.

Steve R. Proctor, P.L.S. - Project Surveyor - Mr. Proctor's experience includes all aspects of surveying, over 30 years in central Missouri of which 7 years are as a Missouri Licensed Surveyor.

#### **General Experience of Firm:**

- STP Sidewalk Improvements, City of Sturgeon, Missouri - The enhancement's primary goal was providing a continuous sidewalk connecting the new high school at the edge of town with the elementary school downtown. *THHinc's* scope of work included surveying, engineering design, construction administration and periodic observation. Sturgeon's Phase 2 of this project including new and replacement sidewalks, including decorative street lights on both sides of the downtown business district.
- Mexico Housing Authority, Mexico, Missouri - This project consisted of the removal and replacement of various concrete sidewalks, driveways, and the construction of an expanded asphalt parking area.
- Jefferson Street, City of Kirksville - Streetscape improvements included decorative streetscape elements such as brick accents in sidewalks and street lighting.
- City of Vandalia, Missouri - *THHinc* appointed City Engineer in 2009.  
Home Street Improvements - Road reconstruction for seven blocks of collector streets, Site/civil design services included grading, storm drainage and paving of Home Street, with waterline upgrades.

Vandalia Trails - "Student Safety Trails and Pedestrian Sidewalk Project". This project will provide access from downtown to the high school and elementary school campus via a paved roadside trail. Unique challenges on this project include a highway box culvert extension and a number of rural driveway crossings.

- City of Troy, Missouri - **THHinc** served as the City Engineer for the City of Troy for over 10 years, until the City hired a full-time staff engineer.

Street Condition Study preformed, resulting in reconstruction or rehabilitation of over 20 streets over a ten year period.

South Main to Campbell included widening the approaches providing right turn direction with raised islands at the intersection.

The Second Street project was the removal and reconstruction of approximately 1600 feet of 26-foot wide concrete street.

Huntington Drive and 3<sup>rd</sup> Street Reconstruction was the design of two local roadways repairing storm water deficiencies and severely deteriorated pavement.

- University of Missouri Curators, Columbia, Missouri  
Study, Design & Construct Crosswalks included professional services campus-wide determining the design standards for the pedestrian crosswalks on the University's campus in 2005.

In 2004, Professional services for the repair and replacement of curb/gutter and sidewalks at four locations on the University Campus.

In 2002, Sidewalk design services on the north side of Virginia Avenue Parking Structure.

Virginia Avenue Design - Services for a new three-lane roadway extension including surveying services, trunk storm sewers and junction boxes, sidewalk and lighting.

#### **Past Performance/Accessibility:**

A core goal of **THHinc** is not to simply do a project for individual client but to develop a long term relationship that will last through many projects and years. We believe **THHinc** has succeeded in that goal. The majority of our work comes from repeat clients. We believe this reflects both the quality of work and responsiveness to the client. A sampling of repeat clients includes:

- Missouri Department of Transportation
- Missouri Department of Conservation
- City of Columbia, Missouri
- Columbia Public Schools
- University of Missouri Columbia
- University of Missouri Systems Rolla
- Boone County, Missouri
- City of Troy, Missouri
- City of Kirksville, Missouri

#### **Familiarity/Capability**

**THHinc** has worked successfully on federally funded projects. Recent examples include two LPA sidewalk projects in Sturgeon, Missouri. Work for other entities has included projects funded by grants or loans through EDA, Rural Development, and Community Development Block Grants. Projects have been completed in accordance with the applicable rules and regulations.

This submittal is more than an expression of interest; it is our commitment to provide the leadership and resources necessary to meet the successful completion of services. We appreciate the opportunity to submit this proposal to the Missouri Department of Transportation / Missouri's Local Program Advisory Committee and look forward to the opportunity of working with local agencies in the near future. Please feel free to contact me at (573) 814-1568 should you have any questions.

Sincerely,



Gene R. Hinshaw, P.E.  
President



# PROFILE

## Trabue, Hansen & Hinshaw, Inc. (THHinc)

is dedicated to providing 'quality technical solutions and personal service' to our clients. While we have a varied array of clients, they have one thing in common – they appreciate our solution oriented approach – we meet budgets and schedules – and we are team players.

Creativeness goes beyond invention. **THHinc** engineers apply their collective experiences to develop innovative and cost effective solutions.

**Why THHinc?** – We are committed to identifying the specific needs of each project and client, and then partnering with you to meet the stated objectives. Standard solutions to unique problems do not always provide the best outcome. The result – an up-to-date solution which makes the best use of new technology and progressive thinking.

Selecting THHinc takes your project from an idea to a finished product. We make it happen. Our team turns your visions – your dreams – into realities.

**Challenge our team to . . .**



*Think A . . . about the possibilities!*

**THHinc** is proud of its team of engineers, surveyors, technicians, and administrative support personnel.



In 2010, the team was awarded Small Business of the Year by the Columbia Chamber of Commerce as recognition of our business success, principles, and community minded attitude.

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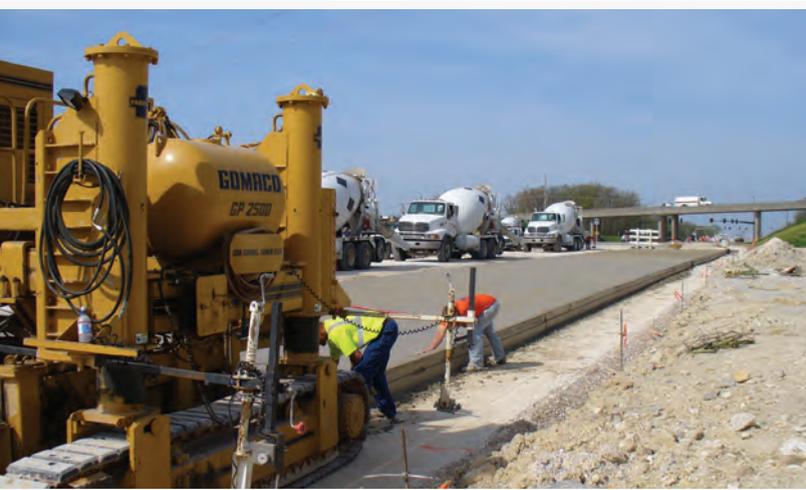
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## CIVIL & SITE DEVELOPMENT

**Team THHinc** is experienced in the design and construction of a wide range of municipal, commercial, and residential projects. With in-house capabilities for surveying, civil design, and structural design, we assist you with site selection, evaluation of development costs, surveying, design, bidding, construction observation, and administration.

Infrastructure is a long-term capital investment and is a vital part of improving the quality of life. Projects must be constructed with quality materials and by quality contractors. **THHinc** engineers maintain a working knowledge of current technology and specify materials with the quality standards to make your project a success.

### Project Services

- Master Planning
- Residential Development
- Commercial Development
- Industrial Development
- Research Parks
- Parks/Trails
- Topographic Surveying
- Property Surveys
- Construction Observation
- Construction Staking
- Stormwater/Hydraulic Modeling
- Floodplain Compliance



## STRUCTURAL DESIGN

**THHinc** engineers team with architects, contractors, and owners in the evaluation of existing structures, design of new facilities, and construction observation. **Structural systems** are evaluated on each project with the team to determine the most cost effective configurations and materials. **THHinc** designers are experienced with structural steel, timber, cold-formed steel, masonry, precast/prestressed concrete, tilt-up, and hybrid structures.

You can rely on the integrity of **THHinc** engineers to make the integrity of your structure a #1 priority.

***THHinc ... Integrity***

### **Project Services**

- Condition Assessments
- Structural Observations
- Structural Modifications
- Historic Preservation
- Retaining Walls/Foundations
- Bridges, Culverts, Shoring
- Military Installations
- Blast/Progressive Collapse
- Storm Shelters
- Revit Structure

*“ Cost effective structures should not compromise architectural aesthetics. **THHinc** engineers facilitate the development of structural solutions which complement the architectural and building system needs. ”*



## TRANSPORTATION

**THHinc** engineers help you go places – designing highways, streets, bridges, bike trails, and sidewalks. Our experienced team has served the public as city engineers, county engineers, and state highway engineers. We know public works – we understand the **why** of policies, ordinances, and regulations and the **how** to get things done.

Let our past experience with DOT roadways and local residential streets serve you on your next project.

*“ Standard solutions to unique problems do not always provide the best results. **THHinc** engineers are always looking for better ways to approach these situations. The result is an up-to-date solution which makes the best use of new technology and progressive thinking. ”*

### Project Services

- Highways
- Municipal Streets
- Corridor/Alignment Studies
- Urban Stormwater/Hydraulics
- Pavement Condition
- Construction Services
- Survey
- Construction Staking
- Transportation Enhancement
- Bridges

*THHinc ... Innovation*