

November 15, 2013

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

Re: **Letter of Interest
Roadway Design**

LPA Advisory Committee:

We appreciate this opportunity to express our interest in being considered to provide **On-call Professional Services to the Local Program Administrator (LPA) for Roadway Design**. We have been fortunate enough to have successfully worked with you on a number of projects over the years and look forward to being given the opportunity to be of service to you in an on-call capacity.

Taliaferro & Browne, Inc. has a long-standing reputation for providing quality civil and structural engineering, landscape architecture, and surveying services, on-time and within budget. Management personnel are dedicated to meeting those goals. As you review our letter of interest and supporting company brochure, you will see that Taliaferro & Browne, Inc. has a substantial amount of roadway design experience. Our repeat work with clients is a testament to our abilities.

GENERAL EXPERIENCE AND PAST PERFORMANCE

Taliaferro & Browne, Inc. offers civil and structural engineering, landscape architecture, and surveying services and has a great deal of roadway design experience to offer. Taliaferro & Browne, Inc. has over **45 years** of experience offering and delivering these types of services for various city departments, counties, the Corps of Engineers, the KC Port Authority, MoDOT, and LPA. We have highlighted a few examples of various roadway design projects below.

Roadway Design Projects

Shoal Creek Parkway, Kansas City, Missouri — Taliaferro & Browne, Inc., working as the prime consultant, surveyed and designed the new extension of Shoal Creek Parkway from Hodge Park to NE 96th Street. Shoal Creek Parkway is on the City Major Street Plan with a classification of “Parkway/Boulevard.” Roadway lane configuration was constructed with 24 foot north and southbound lanes, approximately 8,000 feet in length. A modified double-lane roundabout was designed at the intersection of Shoal Creek Parkway and NE 96th Street. The project also included street lighting, sidewalk, bicycle trail and landscaping in the median and along the sides of the parkway. ConSpan bridges were also added to the parkway design to accommodate median drainage at critical locations. The firm was also responsible for the foundation design and coordination of the three “ConSpan” bridges, and a 30” Transmission Main design for Kansas City, MO, Water Services Department.

Taliaferro & Browne, Inc. completed the design for Phase II of Shoal Creek Parkway. Phase II consisted of over a mile of parkway construction from the end of the Phase I construction at the round-about at NE 96th Street to I-435, another modified double-lane round-about at N. Eastern Avenue, Single Span bridge, RCB culvert, storm drainage design, sidewalks, pedestrian trail, street lighting, and permanent BMP structures. Phase III of Shoal Creek Parkway was also designed by Taliaferro & Browne, Inc. and was recently constructed.

Longview Road, Kansas City, Missouri — The Longview Road Improvements, which were part of the Missouri Department of Transportation’s Grandview Triangle Project and used Missouri STP funds, entailed widening of Longview Road from the end of the MoDOT improvements on US 71 highway to Grandview Road to provide an additional lane and bike lanes. The widening included reconstruction of the intersection approaches at Colorado Avenue. The project also involved widening Longview Road from the end of the MoDOT improvements on the east of US 71 highway to Hickman Mills Drive intersection for a total project length of 1750 feet. The project included a roundabout at Hickman Mills Drive intersection and Longview Road intersection that was constructed under traffic. The project also included 2,500 feet of 12-inch waterline relocation designed by Taliaferro & Browne. Taliaferro & Browne assisted the City with project programming and environmental clearances, and public hearings.

The design criteria used for the project included the Kansas City Metropolitan Chapter of APWA Specifications and Criteria and its supplements. Among the services provided on the project were survey, utility coordination, preliminary design, right-of-way plans, final design, and preparation of contract documents to be incorporated into a MoDOT bidding package.

Hickman Mills Drive, Kansas City, Missouri — Taliaferro & Browne, Inc. performed the Hickman Mills project as a sub-consultant to HNTB for the Missouri Department of Transportation (MoDOT) Grandview Triangle Project. This project entailed full depth reconstruction of 4,300 feet of Hickman Mills Drive to provide an urban four-lane pavement section from the end of the existing four-lane pavement north of the I-435/71 Hwy Interchange to Red Bridge Road. The project also included reconstruction of the intersection of Hickman Mills and Red Bridge Road. Taliaferro & Browne, Inc. was responsible for survey, review of existing studies and reports, preliminary design, right-of-way plans, and PS&E for MoDOT's approval. The construction included full depth pavement replacement, sidewalk on the east, sidewalk and bike path on the west, a 15-foot-high MSE retaining wall, curb and gutter with drainage structures, a triple-box culvert extension and a double-box culvert replacement.

Taliaferro & Browne assisted the City in obtaining the necessary permits for the project and completing the design exceptions and project programming forms. Right-of-way submittals and public hearings were conducted using MoDOT's LPA Manual guidelines. This project was completed in the summer of 2007 and involved Missouri STP funds.

North Amity Road, Kansas City, Missouri — This project included the design of roadway and drainage improvements to widen the existing two-lane roadway between Barry Road and M-152 Highway to provide a four-lane urban section with curb and gutter, sidewalks, street lighting, and storm drainage improvements. The typical section for the new roadway includes bicycle lanes between the outside traffic lanes and the curb and gutter section. The roadway profile was raised and new drainage structures designed to provide additional hydraulic capacity for the Rush Creek crossings. An additional, two lanes of pavement were designed for the portion of North Amity Avenue within the M-152 interchange.

The overall project length is approximately 3,400 feet, and one of the key design elements included realignment of the Barry Road – Amity Avenue intersection. Currently, a series of three “tee” intersections exist on Barry Road, one at East Side, one at Amity, and one at Forrest. These intersections are in close proximity to each other and create conflicts for traffic entering and exiting Barry Road from the side streets. North Amity Avenue has been designed to line up with East Side Avenue, thereby eliminating one of the intersections and improving traffic operations.

West Raytown Road Bridge, Kansas City, Missouri — This project involved replacement of the West Raytown Road Bridge over Round Grove Creek. The West Bridge is located between Ozark Road and the entrance to the Kansas City Municipal Farm. Prior to the project, the West Bridge consisted of a cast-in-place concrete, spandrel-filled arch bridge that was constructed in 1913. The structure had a span of approximately 40' 8" and a rise of 9' 3". Cast-in-place concrete wing walls were provided on the upstream and downstream faces of the structure. The Bridge was hydraulically deficient and in poor structural condition. The Bridge had been posted with a reduced load rating of 20 tons.

The replacement structure designed by Taliaferro & Browne is a three-span, precast concrete, I-girder bridge with an overall length of 156 feet and a 40-foot roadway. The new structure was lengthened and the approach roadway was raised to provide additional hydraulic capacity. An MSE retaining wall was provided along the south side of the roadway approaches to accommodate the 54-inch Jackson Cass transmission main, which parallels the project, and a new 12-inch water distribution main was designed to avoid conflicts with the roadway and bridge improvements.

Riverfront Drive, Kansas City, Missouri — The Riverfront Drive project was an initial phase of the overall Riverfront Development, which included Riverfront Heritage Trail and the Town of Kansas Pedestrian Bridge. This portion of the project involved designing the 3,550 foot long Riverfront Drive from the end of the new viaduct to an improved interchange at I-29/I-35. Although designed as a four-lane divided parkway with a 20-foot wide median, only two lanes were constructed in the first phase of the project.

Taliaferro & Browne led the civil engineering design effort, including surveying and engineering for the roadway as well as cross road pipes and field inlets, which were later converted to curb inlets when the remaining two lanes were constructed. The project also included an 18-inch water main paralleling the initial lanes of the Parkway. This main will serve future development anticipated south of the park.

QUALIFICATIONS OF PERSONNEL

Richard Montgomery, PE, Senior Civil Engineer - Roadway, has been responsible for the design of a wide range of civil projects for both public and private sectors for more than 38 years. Mr. Montgomery was the Project Manager for all of the roadway projects listed in this letter of interest. He has experience in preliminary and final design, contract administration, scheduling and shop drawing review for public works projects including state, county and municipal roadway improvements. Mr. Montgomery has extensive knowledge of LPA procedures and requirements.

Lamin Nyang, PE, Civil Engineer - Roadway, has over 15 years of civil engineering design experience with special expertise in engineering and civil site design and transportation planning. He has been involved in projects with MoDOT LPA and KDOT and has completed numerous roadway projects in Kansas and Missouri. Mr. Nyang was the Project Engineer for Shoal Creek Parkway, Longview Road, Hickman Mills, and North Amity. He is proficient in the use of Inroads, Microstation GeoPak, AutoCAD Civil 3D, HY-8, and Flowmaster. Mr. Nyang has extensive knowledge of LPA procedures and requirements.

Patty Yang, PE Civil Engineer - Roadway, has more than 24 years of civil engineering design experience. She has been involved in a number of roadway and streetscape projects across the region. Ms. Yang was the Project Engineer for Blue Parkway and Eastwood Trafficway, Penn Valley Park, and West Raytown Road Alignment. Her civil engineering design responsibilities have included site work including grading, parking lot design and utilities design. Ms. Yang has extensive knowledge of LPA procedures and requirements.

Other extremely qualified and experienced staff are available to be assigned to projects as necessary.

FAMILIARITY/CAPABILITY

Taliaferro & Browne, Inc. has completed several federal projects and is currently working on projects with federal funds. We bring the collective knowledge and experience gained from current and past MoDOT LPA projects. Many of these projects were funded as MoDOT LPA projects. We have also provided professional services on a number of LPA roadwork projects for the City of Kansas City. Hence, we are well familiar with the LPA processes and procedures and have a history of delivering federal projects that are compliant with federal law.

ACCESSIBILITY

Taliaferro & Browne, Inc. has established a successful record of responding to our clients needs. We have a full-time staff of 35 that includes 19 engineers, 17 registered. The staff that have been introduced in the personnel section of this letter of interest are the individuals that you will be working with and will have the power to make decisions. Should you require additional staff, we have the resources to meet your request.

Thank you for your consideration. We would be happy to submit any additional information you may need to evaluate our competency. We look forward to working with you in an on-call capacity. Please call if there are any questions.

Respectfully,

TALIAFERRO & BROWNE, INC.



Hagos E. Andebrhan, PLS, PE

CEO



Overview of Unique Qualifications

Today, Taliaferro & Browne, Inc. (T&B) provides comprehensive civil and structural engineering, landscape architecture, planning services, and land surveying for clients throughout the Midwest. The firm employs a staff of 35 and has convenient offices in St. Louis and in Downtown Kansas City, Missouri. Our staff includes 35 full-time professionals, including 19 engineers, a landscape architect, a land planner, two registered land surveyors, and two survey crews.

Why Taliaferro & Browne?

Taliaferro & Browne is committed to revitalizing historic neighborhoods and urban areas. Doing our part means an ongoing commitment to:

- ▶ *Engineering Excellence* — The firm has been on the St. Louis landscape since 2010. We have repeatedly been listed among Kansas City's 25 largest engineering firms by the Kansas City Business Journal. Additionally, T&B has been honored as the Professional Service Firm of the Year (Minority Enterprise Development Association of Kansas City, MO) and as Minority Professional Service Firm of the Year (State of Kansas).
- ▶ *Fostering Partnerships with Key Government Stakeholders* — Having performed successfully time and time again for diverse government as well as industry and commercial clients, T&B understands the needs and concerns of major stakeholders involved in all aspects of public project development. We've "stepped up to the plate" repeatedly to work with the multi-level government agencies, private developers, and community/ business leaders to foster consensus and leadership on myriad public and private projects.
- ▶ *Maximizing our Infrastructure Development Expertise* — Clients appreciate our diverse expertise and attention to detail in the development of cost-effective solutions for commercial developments, public works, and Corps of Engineers projects. Additionally, we are well known and respected for our expertise in designing roadways, bridges, sewers, waterlines, drainage structures, and other utilities and as well as civil/ structural design for barracks, school districts, and transit projects.
- ▶ *On-Time, On-Budget Track Record* — We have an established reputation for being the "Can-Do" engineering firm. For example, on the site development for the Sprint Arena in Kansas City, T&B tackled the intricate web of site utilities for a four-city-block area of the downtown core. With the least possible disruption to surrounding businesses, T&B completed this intricate work on time and at a savings of \$3,000,000.
- ▶ *Investment in the Community* — T&B is closely aligned with the pulse of urban development renaissance. Management's commitment to the urban core can be seen in its formation of Beacon Hill Redevelopment LLC: a first-of-a-kind redevelopment and rehabilitation of Beacon Hill neighborhood in Kansas City, focusing on providing owner-occupied, single-family housing. Additionally, T&B sponsors a number of youth

With engineering industry roots dating back to Kansas City of the 1940s, Taliaferro and Browne, Inc. marries tradition and stability with innovative problem-solving for urban redevelopment and growth.

"They're trusted and well-known by people with the city, which really helps to move your projects through City Hall, but probably the biggest thing was their ability to handle the whole project. They've got the manpower and expertise to handle any size project you throw at them."

Dave Lovetere, PE
MC Realty Group, LLC

KANSAS CITY OFFICE
1020 East 8th Street
Kansas City, MO 64106
816.283.3456
Fax: 816.283.0810

ST. LOUIS OFFICE
906 Olive Street
Suite 225
St. Louis, MO 63101
314.588.0456
Fax: 314.588.0234
www.tb-engr.com



Taliaferro & Browne, Inc.
Engineering - Landscape Architecture - Surveying

programs, such as the Kansas City, Kansas Public Schools' Executive High School Internship Program, and has been instrumental in the FOCUS Kansas City Long-Range and Strategic Plan.

- ▶ *Commitment to Diversity* — T&B is a 100 percent minority owned and operated firm. We're proud to hire and train individuals that mirror the diverse St. Louis and Kansas City metropolitan communities. Our professional team of men and women come from as nearby as down the street to as far away as South and Central America, East Africa, and Asia.

"Your support and efforts have been a great asset in catalyzing the renaissance of the [Brush Creek] Corridor; our projects have benefitted from your expertise and problem-solving skills."

*Barrett Hatches, President/CEO
Swope Community Builders*

Recognition

Taliaferro & Browne is consistently listed in the *Kansas City Business Journal* as one of the **Top 25 Engineering Firms** in the Kansas City area.

In 2009, President Leonard Graham was voted one of the **"100 Most Influential Afro-Americans in Kansas City"** by the *Kansas City Globe Newspaper*.

In 1995, President Leonard Graham was named **"Business Man of the Year"** by the Kansas City Black Chamber of Commerce.

In 1993, CEO Hagos Andebrhan was voted one of the **"100 Most Influential Afro-Americans in Kansas City"** by the *Kansas City Globe Newspaper*.

Since the 1980s, our firm has been recognized for yearly participation as a Sponsor in the **Executive High School Internship Program**, sponsored by the Kansas City, Kansas Public Schools.

Minority Business Certifications

- ▶ The City of Kansas City, Missouri
- ▶ The State of Kansas
- ▶ The State of Missouri
- ▶ The City of Kansas City, Kansas
- ▶ MoDOT
- ▶ Kansas City Minority Supplier Council

Practice Areas

- ▶ Civil Engineering
- ▶ Structural Engineering
- ▶ Landscape Architecture
- ▶ Land Surveying
- ▶ Land Planning

Licenses

- ▶ Missouri
- ▶ Kansas
- ▶ Indiana
- ▶ Iowa
- ▶ Ohio
- ▶ Kentucky

KANSAS CITY OFFICE
1020 East 8th Street
Kansas City, MO 64106
816.283.3456
Fax: 816.283.0810

ST. LOUIS OFFICE
906 Olive Street
Suite 225
St. Louis, MO 63101
314.588.0456
Fax: 314.588.0234
www.tb-engr.com



Awards

**2009 — Outstanding MWBE in Professional Services,
Kansas City, Missouri**

T&B received this award from the Kansas City Government Contracting and Procurement Forum

**2009 — Dr. George Ehrlich Achievement in Preservation
Black Archives/Parade Park Building, Kansas City, Missouri**

This award, presented by the Landmarks Commission of Kansas City, Missouri, recognized T&B for historic rehabilitation plans.

**2004 — Design Award
Richard Bolling Federal Building, Kansas City, Missouri**

This citation was awarded to T&B for “Outstanding Contribution to Excellence in Federal Design” by the U. S. General Services Administration/ Public Buildings Service.

**1995 — Minority Professional Service Firm of the Year,
State of Kansas**

T&B received this award from the State of Kansas, Department of Commerce.

**1992 — Construction Award
U. S. Courthouse and Federal Building, Kansas City, Kansas**

This award, presented by the Concrete Promotional Group, recognized T&B structural design of cast-in-place concrete on the building.

**1989 — Minority Consultant of the Year Award,
Capital Improvement Program**

T&B received this award from the Kansas City, Missouri School District.

“Taliaferro & Browne’s passion for projects with the potential to transform depressed urban areas was a factor behind its selection as primary design consultant for the MAX on Troost bus rapid-transit route. What really set them apart was they viewed it as not just another engineering job but an opportunity to really impact change.”

Keith Sanders, PE
Kansas City Area
Transportation Authority

KANSAS CITY OFFICE
1020 East 8th Street
Kansas City, MO 64106
816.283.3456
Fax: 816.283.0810

ST. LOUIS OFFICE
906 Olive Street
Suite 225
St. Louis, MO 63101
314.588.0456
Fax: 314.588.0234
www.tb-engr.com

SELECT PROJECT EXPERIENCE

Roadway Design/Planning Experience

Shoal Creek Parkway, Kansas City, Missouri

Riverfront Drive, Kansas City, Missouri

Blue Parkway/Eastwood Trafficway, Kansas City, Missouri

Grandview Triangle Project, Kansas City, Missouri

Longview Road Improvements, Kansas City, Missouri

Hickman Mills Drive, Kansas City, Missouri

North Amity Road, Kansas City, Missouri

Trail and Sidewalk Experience

Riverfront Heritage Trail ASB Underpass, Kansas City, Missouri

Lincoln University Historic District Accessibility Route, Kansas City, Missouri

Riverfront West Pedestian Bridge, Kansas City, Missouri

Riverfront Heritage Trail Segments 2 and 4A, Kansas City, Missouri

I-670 Pedestrian Bridge Safety and Aesthetic Enhancements, Kansas City, Missouri

Shoal Creek Parkway Trail, Kansas City, Missouri

Construction Inspection Experience

Riverfront Heritage Trail ASB Underpass, Kansas City, Missouri

Riverfront West Pedestian Bridge, Kansas City, Missouri

Riverfront Heritage Trail Segments 2 and 4A, Kansas City, Missouri

Riverfront Slope Stabilization, Kansas City, Missouri

Cliff Drive Landslide Restoration, Kansas City, Missouri

KANSAS CITY OFFICE
1020 East 8th Street
Kansas City, MO 64106
816.283.3456
Fax: 816.283.0810

ST. LOUIS OFFICE
906 Olive Street
Suite 225
St. Louis, MO 63101
314.588.0456
Fax: 314.588.0234
www.tb-engr.com