

**REQUEST FOR LEGISLATIVE ACTION**

**Version 6/10/19**

Completed by County Counselor's Office:

Res/~~Ord~~ No.: 20565

Sponsor(s): Tony Miller

Date: November 23, 2020

SUBJECT	Action Requested <input checked="" type="checkbox"/> Resolution <input type="checkbox"/> Ordinance  Project/Title: <u>Awarding a Twelve Month Design Services Term and Supply Contract, with One Twelve Month Option to Extend, for Trail Design and Engineering Services for the Parks + Rec Department to McClure Engineering of North Kansas City, Missouri under the terms and conditions of Request for Qualifications No. 40-20.</u>																									
BUDGET INFORMATION <i>To be completed By Requesting Department and Finance</i>	<table border="1" style="width: 100%;"> <tr> <td>Amount authorized by this legislation this fiscal year:</td> <td style="text-align: right;">\$</td> </tr> <tr> <td>Amount previously authorized this fiscal year:</td> <td></td> </tr> <tr> <td>Total amount authorized after this legislative action:</td> <td style="text-align: right;">\$</td> </tr> <tr> <td>Amount budgeted for this item * (including transfers):</td> <td style="text-align: right;">\$</td> </tr> <tr> <td>Source of funding (name of fund) and account code number:</td> <td style="text-align: right;">\$</td> </tr> </table> <p>* If account includes additional funds for other expenses, total budgeted in the account is: \$</p> OTHER FINANCIAL INFORMATION:  <input type="checkbox"/> No budget impact (no fiscal note required) <input type="checkbox"/> Term and Supply Contract (funds approved in the annual budget); estimated value and use of contract: Department: Parks + Rec Department Estimated Use: \$200,000  Prior Year Budget (if applicable): Prior Year Actual Amount Spent (if applicable):	Amount authorized by this legislation this fiscal year:	\$	Amount previously authorized this fiscal year:		Total amount authorized after this legislative action:	\$	Amount budgeted for this item * (including transfers):	\$	Source of funding (name of fund) and account code number:	\$															
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Source of funding (name of fund) and account code number:	\$																									
PRIOR LEGISLATION	Prior ordinances and (date): Prior resolutions and (date):																									
CONTACT INFORMATION	RLA drafted by (name, title, & phone): Barbara Casamento, Purchasing Administrator, 881-3253																									
REQUEST SUMMARY	The Parks + Rec Department requires a Design Services Term and Supply Contract for Trail Design and Engineering Services. The Purchasing Department issued Request for Qualifications No. 40-20 in response to those requirements.  A total of thirty-two notifications were distributed and four proposals were received and evaluated as follows:  <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th>Respondent and Location</th> <th>Responsiveness 10 Points</th> <th>Qualifications And Experience 70 Points</th> <th>References 20 Points</th> <th>Total 100 Points</th> </tr> </thead> <tbody> <tr> <td>McClure Engineering, N KCMO</td> <td>8</td> <td>69</td> <td>20</td> <td>97</td> </tr> <tr> <td>SR Design Group, KCMO</td> <td>9</td> <td>58</td> <td>20</td> <td>87</td> </tr> <tr> <td>SWT Design, KCMO</td> <td>9</td> <td>57</td> <td>15</td> <td>81</td> </tr> <tr> <td>Confluence, KCMO</td> <td>10</td> <td>49</td> <td>10</td> <td>69</td> </tr> </tbody> </table> <p>Pursuant to Section 1054.6 of the Jackson County Code, the Parks + Rec Department and the Purchasing Department recommend award of a Twelve Month Design Services Term and Supply Contract, with One Twelve Month Option to Extend, for Trail Design and Engineering Services to McClure Engineering of North Kansas City, Missouri as the best qualified proposal received under the terms and conditions of Request for Qualifications No. 40-20. The Parks + Rec Department negotiated the pricing for these services and the Schedule of Rates is attached.</p>	Respondent and Location	Responsiveness 10 Points	Qualifications And Experience 70 Points	References 20 Points	Total 100 Points	McClure Engineering, N KCMO	8	69	20	97	SR Design Group, KCMO	9	58	20	87	SWT Design, KCMO	9	57	15	81	Confluence, KCMO	10	49	10	69
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CLEARANCE	<input checked="" type="checkbox"/> Tax Clearance Completed (Purchasing & Department) <input type="checkbox"/> Business License Verified (Purchasing & Department) <input checked="" type="checkbox"/> Chapter 6 Compliance - Affirmative Action/Prevailing Wage (County Auditor's Office)																									

COMPLIANCE	<input checked="" type="checkbox"/> MBE Goals <input checked="" type="checkbox"/> WBE Goals <input checked="" type="checkbox"/> VBE Goals Goals of 9.5% MBE; 11.7% WBE and 9.5% VBE were established for these services. The recommended Respondent's Contractor Utilization Plan has been approved by the Compliance Review Department								
ATTACHMENTS	Attached is the Abstract of Bids Received, a Recommendation Memorandum from Brian Nowotny of the Parks + Rec Department, Scoring Sheets and the pertinent pages of McClure's proposal.								
REVIEW	<table border="1"> <tr> <td data-bbox="370 422 1198 485">Department Director: <i>Mark A. ...</i></td> <td data-bbox="1198 422 1453 485">Date: <i>11-5-20</i></td> </tr> <tr> <td data-bbox="370 485 911 548">Finance (Budget Approval): <i>If applicable</i></td> <td data-bbox="911 485 1453 548"> <b>APPROVED</b>            By Mark Lang at 9:30 am, Nov 10, 2020            Date:  <i>11-16-2020</i> </td> </tr> <tr> <td data-bbox="370 548 1198 611">Division Manager: <i>Ray M. Schulte</i></td> <td data-bbox="1198 548 1453 611">Date: <i>11-16-2020</i></td> </tr> <tr> <td data-bbox="370 611 1198 663">County Counselor's Office: <i>Bryan Cousins</i></td> <td data-bbox="1198 611 1453 663">Date: <i>11/18/20</i></td> </tr> </table>	Department Director: <i>Mark A. ...</i>	Date: <i>11-5-20</i>	Finance (Budget Approval): <i>If applicable</i>	<b>APPROVED</b> By Mark Lang at 9:30 am, Nov 10, 2020 Date: <i>11-16-2020</i>	Division Manager: <i>Ray M. Schulte</i>	Date: <i>11-16-2020</i>	County Counselor's Office: <i>Bryan Cousins</i>	Date: <i>11/18/20</i>
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Fiscal Information (to be verified by Budget Office in Finance Department)

- This expenditure was included in the annual budget.
- Funds for this were encumbered from the \_\_\_\_\_ Fund in \_\_\_\_\_.
- There is a balance otherwise unencumbered to the credit of the appropriation to which the expenditure is chargeable and there is a cash balance otherwise unencumbered in the treasury to the credit of the fund from which payment is to be made each sufficient to provide for the obligation herein authorized.
- Funds sufficient for this expenditure will be/were appropriated by Ordinance # \_\_\_\_\_.
- Funds sufficient for this appropriation are available from the source indicated below.

Account Number:	Account Title:	Amount Not to Exceed:

- This award is made on a need basis and does not obligate Jackson County to pay any specific amount. The availability of funds for specific purchases will, of necessity, be determined as each using agency places its order.
- This legislative action does not impact the County financially and does not require Finance/Budget approval.

ABSTRACT OF BIDS

Request for Qualifications No. 40-20 Trail Design and Engineering Services Opens: 2:00 PM, CDT on 9/22/2020				SK Design Overland Park KS AMOUNT		McClure Kansas City MO AMOUNT		Confluence Kansas City MO AMOUNT		SWT Design Kansas City MO AMOUNT		AMOUNT	
NO	DESCRIPTION	UNIT	QTY	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT					
1	Proposal Received			<i>see bid</i>	<i>see bid</i>	<i>see bid</i>	<i>see bid</i>						

CERTIFICATION OF BID OPENING  
BIDS WERE PUBLICLY  
OPENED AND RECORDED

ON: September 22, 2020 BY Mark Spivey  
CLERK OF THE LEGISLATURE  
Mark Spivey  
PURCHASING



**JACKSON COUNTY  
Parks + Rec**

22807 Woods Chapel Road  
Blue Springs, Missouri 64015  
MakeYourDayHere.com

Michele Newman, Director  
(816) 503-4800  
Fax: (816) 795-1234

## MEMORANDUM

**TO:** Barbara Casamento, Purchasing Administrator

**FROM:** Brian Nowotny, Deputy Director Park Operations

**DATE:** November 2, 2020

**SUBJECT:** Request for Qualifications No. 40-20, Trail Design and Engineering Services

Parks + Rec recommends award of a contract for Trail Design and Engineering services under the above referenced RFQ to **McClure Engineering of North Kansas City, Missouri**. Once approved, all services shall be requested on an as-needed basis, based on the specifications in the RFQ, respondent's submission, and Schedule of Fees. The Department estimates spending \$200,000 on related services annually, pending budget approval and specific project needs.

On 09/22/2020 a total of four responses were received from interested vendors. A committee made up of staff from Parks + Rec reviewed and evaluated each proposal.

Professional references were checked for each responder, and each responder was scored and ranked by the committee. Upon selection of the top responder, based on all of the evaluation criteria, a schedule of fees was requested and negotiated with McClure.

Thank you for your assistance, and please do not hesitate to contact me if you should have any questions.

Attachments: Evaluation Scoring Matrix  
Proposal Submission  
Schedule of Fees



*Frank White Jr., County Executive*

**2020 Trail Planning and Design RFQ**  
RFQ NO. 40-20

**COMPOSITE SELECTION SCORE SHEET**

FIRM NAME	Responsiveness To RFQ (scored by Purchasing Dept) 10 pts. Max	Qualifications and Experience Avg. 70 pts. Max	References 20 pts. Max	Total Score for Each Firm 100 pts. Max	RANKING 1 BEING BEST
McClure Engineering	8	69	20	97	1
SK Design Group	9	58	20	87	2
SWT Design	9	57	15	81	3
Confluence, Inc.	10	49	10	69	4

EXHIBIT 'A'  
 McCLURE ENGINEERING COMPANY  
 HOURLY RATE SCHEDULE  
 (Effective through December 31, 2021)

<u>PERSONNEL</u>	<u>HOURLY RATE</u>
Administrative .....	\$85.00
Client Liaison.....	\$190.00
Engineer I.....	\$115.00
Engineer II .....	\$150.00
Engineer III .....	\$180.00
Engineer IV .....	\$220.00
Project Manager I.....	\$180.00
Project Manager II.....	\$205.00
Project Coordinator.....	\$95.00
Principal .....	\$265.00
Senior Principal .....	\$310.00
Community Planner I.....	\$140.00
Community Planner II.....	\$240.00
Landscape Architect I.....	\$105.00
Landscape Architect II.....	\$145.00
Engineering Tech I.....	\$90.00
Engineering Tech II.....	\$110.00
Engineering Tech III.....	\$130.00
Engineering Tech IV.....	\$170.00
Land Surveyor I.....	\$140.00
Land Surveyor II .....	\$170.00
On-Site Representative I (OSR I) .....	\$110.00
On-Site Representative II (OSR II).....	\$155.00
Crew Chief (CC).....	\$130.00
Crew Member (CM).....	\$95.00
Intern .....	\$75.00
Survey Crew .....	\$210.00

EQUIPMENT

3D Scanner per Scan.....	\$30.00
UAV per Flight.....	\$125.00
Sonar Boat .....	\$125.00

MISCELLANEOUS EXPENSES

Survey Vehicle Mileage.....	\$0.75/Mile
Automobile Mileage (at current IRS rate) .....	Current IRS Rate
Printing.....	Per Contract
Survey Supplies (Hubs, Lath, Paint, Nails, etc.).....	Per Contract
Out-of-Pocket Expenses (Meals, Hotels, etc.) .....	Per Contract



**LOVELACE & ASSOCIATES**  
**Land Surveying • Land Planning**

929 SE 3rd Street, Lee's Summit, Missouri 64063

Ph: (816) 347-9997 Fax: (816) 347-9979

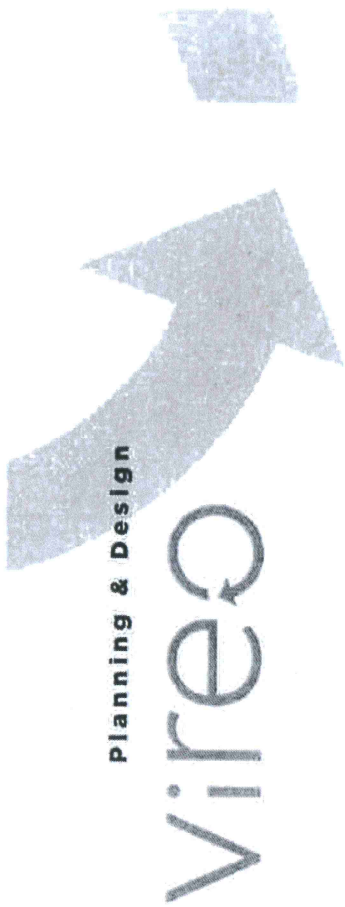
www.lovelaceassociates.com

Certified Minority Business Enterprise

**2021 STANDARD HOURLY CHARGE-OUT RATES**

SURVEY CREW (Standard) .....	\$160.00 / HR
SURVEY CREW (Premium – Emergency Response or Client Mandated Overtime) .....	\$237.50 / HR
PROFESSIONAL LAND SURVEYOR (Standard) .....	\$105.00 / HR
PROFESSIONAL LAND SURVEYOR (Premium – Expert Witness or Client Mandated Overtime) .....	\$210.00 / HR
LAND SURVEY AUTO-CAD TECHNICIAN (Standard) .....	\$90.00 / HR
LAND SURVEY AUTO-CAD TECNICIAN (Premium – Client Mandated Overtime) .....	\$135.00 / HR
ADMINISTRATION .....	\$55.00 / HR

Premium rates shall be negotiated and pre-authorized in writing prior to engagement  
Lump sum bid or hourly not to exceed a quoted price also available  
All rates include material & equipment



Planning & Design

vireo

BeVireo.com

**Omaha**  
1111 N. 13th Street  
Suite 116  
Omaha, NE 68102  
402-553-5485

**Kansas City**  
929 Walnut Suite 700  
Kansas City MO 64106  
816-756-5690

**Schedule of Rates**

Effective January, 2021

Principal .....	\$ 155
Associate V.....	\$ 130
Associate IV.....	\$ 115
Associate III .....	\$105
Associate II .....	\$ 95
Associate I.....	\$ 85
Tech I.....	\$ 60

**Note:**

Sub-contracted labor, printing, technical photography, and all other direct job costs to be paid at cost. Vehicle mileage costs to be paid at the current IRS rate per mile.



**TSI GEOTECHNICAL, INC.**  
**2021 SCHEDULE OF FEES**  
**LABORATORY TESTING SERVICES**

**Aggregates**

Sieve Analysis - Dry (ASTM C 136)	\$80.00 /each
Percent Passing #200 Sieve (ASTM C 117)	\$37.50 /each

**Asphalt**

Max. Theoretical Specific Gravity (ASTM D 2041)	\$65.00 /each
Bulk Specific Gravity (ASTM D 2726)	\$95.00 /each
Field Sample Stability and Flow by Marshall Method (ASTM D 1559)	\$135.00 /each
Percent Air Voids (ASTM D 3203)	\$12.00 /each
Thickness and Unit Weight of Cores	\$32.50 /each

**Concrete**

Compressive Strength of Concrete Cylinders, FOB Laboratory (ASTM C 39) - includes mold	\$16.00 /each
Spare Cylinders Not Tested (45 day storage only)	\$13.00 /each
Flexural Strength Concrete Beams FOB Laboratory (ASTM D 78)	\$32.50 /each
Spare Beams Not Tested (45 day storage only)	\$22.50 /each
Air Dry Unit Weight Test Cylinders	\$27.50 /each
Cylinder Molds	\$2.00 /each
Diamond Saw Cutting of Samples	\$37.50 /each

**Mortar and Grout**

Compressive Strength of Mortar or Grout, Cubes or Cylinders FOB Laboratory (ASTM C 1019, C 109 or C 39)	\$17.50 /each
Spare Cubes/Cylinders Not Tested (45 day storage only)	\$13.00 /each

**Soils**

Visual Classification (ASTM D 2487 and D 2488)	\$8.00 /each
Moisture Content (ASTM D 2216)	\$10.00 /each
Hand Penetrometer or Torvane	\$8.00 /each
Organic Content (Oven Method)	\$27.50 /each
Liquid and Plastic Limits (3 Point Method) (ASTM D 4318)	\$75.00 /each
Shelby Tube Extrusion	\$22.50 /each
Unit Weight (ASTM D 2937)	\$32.50 /each
Percent Passing #200 (ASTM D 1140)	\$37.50 /each
Sieve Analysis-wash (Mechanical) (ASTM D 422)	\$80.00 /each
Hydrometer (ASTM D 422)	\$80.00 /each
Standard Proctor (Method A and B) (ASTM D 698)	\$190.00 /each
Standard Proctor (Method C) (ASTM D 698)	\$230.00 /each
Modified Proctor (Method A and B) (ASTM D 1557)	\$240.00 /each
Modified Proctor (Method C) (ASTM D 1557)	\$250.00 /each
Volumetric Swell	\$32.50 /each

**TSI GEOTECHNICAL, INC.**  
**2021 SCHEDULE OF FEES**  
**GEOTECHNICAL ENGINEERING STAFF**

**PERSONNEL AND EQUIPMENT**

Principal	\$235.00 /hour
Group Manager	\$225.00 /hour
Senior Geotechnical Engineer/Senior Project Manager	\$200.00 /hour
Construction Services Manager	\$140.00 /hour
Project Geotechnical Engineer	\$130.00 /hour
Staff Geotechnical Engineer	\$100.00 /hour
Senior Field Technician	\$70.00 /hour
Field Technician	\$65.00 /hour
Laboratory Technician	\$55.00 /hour
Lead Driller	\$130.00 /hour
Driller's Assistant	\$65.00 /hour
Clerical Staff	\$55.00 /hour
CADD Technician	\$85.00 /hour
Nuclear Densometer	\$30.00 /day
Mileage	\$0.60 /mile
Pickup Truck	\$50.00 /day
Per Diem	\$150.00 /day

**Note:** Overtime at a rate of 1.5 times the normal hourly rate will be charged for field personnel that work more than 8 hours per day, or on weekends and holidays.

**TSI GEOTECHNICAL, INC.**  
**2021 SCHEDULE OF FEES**  
**LABORATORY TESTING SERVICES (CONTINUED)**

California Bearing Ratio (3 Point Method) (ASTM D 1883)	\$420.00 /each
Triaxial Compression (UU-single Stage) (ASTM D 2850)	\$150.00 /each
Triaxial Compression (UU-Multi Stage - 3 cycles)	\$250.00 /each
Unconfined Compression (Controlled Strain) (ASTM D 2166)	\$57.50 /each
One-dimensional Consolidation (8 load increments, 4 unload) (ASTM D 2435)	\$565.00 /each
Rimac Compression Test	\$17.50 /each
Rock Core Photo (10 feet)	\$37.50 /each
 <b>Equipment</b>	
Pick-Up Truck	\$80.00 /day
Nuclear Density Gauge	\$27.50 /day

Note: Fees for additional testing not listed above can be provided upon request.

## 3. FIRM PROFILES



With a vision of making lives better and a mission to build lifelong relationships for our clients' success, McClure provides program management, planning, design, funding, engineering, and financial analysis to land planning projects across the country. Our expertise spans several disciplines, including transportation, aviation, structures, water, wastewater, stormwater management, landscape architecture, construction observation and administration, surveying, land development, and creative placemaking.

Since 1956, McClure has grown to a firm of 182 professionals in eight offices located in Clive, North Liberty, Fort Dodge, and Sioux City, Iowa; North Kansas City, Macon, and Columbia, Missouri; and Lenexa, Kansas. McClure has more than fifty Registered Professional Engineers, eleven Registered Land Surveyors, one Registered Landscape Architect, four LEED Accredited Professionals, one Certified Envision Sustainability Professionals, two AICP Certified Planners, and one Professional Traffic Operations Engineer.

### OWNERSHIP

We are an employee-owned firm with at least one shareholder in each of our offices. Among our 34 shareholders, the average tenure of shareholders at McClure is ten years.

## THE TEAM



Vireo LLC is a 20-person landscape architecture, community engagement, community planning, and design firm that has focused on ecologically based planning and design for over 20 years.

Vireo is in the business of creating healthy places for people. We have built the firm on the design of environments that are attractive, livable, vibrant, and sustainable – places where people want to be. We can make a real impact, bringing life to public spaces and contributing to both the livability and economic success of our cities. Whether it is large-scale planning for the future or starting with small-scale improvements, we listen to the people who care about the places in their lives. We create ways to make those places more vibrant, welcoming, inclusive and a reflection of the people who live and work there.

Our approach to trail alignment and design is rooted in a thorough understanding of constructability, alignment choices, the impact on an enhanced user experience, and the interdependency and inter-relationship of this with construction cost. Our key to designing the best possible trail experience is a "boots on the ground" process reinforced with solid technical solutions and recent bid data/cost information for real projects. Given the large volume of trail work we do, we refine and improve our approach with each project bringing you the very best expertise available. We have spent the better part of the last 20 years designing and constructing trails for municipalities/public jurisdictions – over 100 miles in the Kansas City metropolitan area alone.

### OWNERSHIP

Vireo is a woman owned enterprise (WBE) located in downtown Kansas City, Missouri as well as Omaha, Nebraska.





Founded in 1989, TSi Geotechnical, Inc. (M/W/DBE) is a specialized practice in geotechnical engineering, drilling, laboratory testing, and construction observation and documentation. Our team of professional engineers and certified technicians offer extensive geotechnical expertise and technical skills to effectively manage geotechnical risks for our clients' projects. We evaluate potential design and construction related concerns, then recommend feasible engineering solutions by applying appropriate methodologies.

A key component of our construction observation and materials testing services is Quality Assurance, as we deliver the data needed to verify that the materials and techniques being used meet the specifications required for the project. TSi engineers and technicians provide a vital link between the owner, the design team, and the contractor.

#### OWNERSHIP

Founded in 1989, Morris and Denise Hervey, President/CEO and Chairman, respectively, have owned their engineering firm nearly as long as they have been married.



### LOVELACE & ASSOCIATES

LAND SURVEYING • CONSULTING SERVICES

LOVELACE & ASSOCIATES (MBE) is a full-service professional land surveying firm headquartered in Lee's Summit, Missouri. LOVELACE & ASSOCIATES was formed in 1998. The majority partners of LOVELACE & ASSOCIATES, Aaron Thomas and Jeff

Lovelace, together have over 60 years of experience in all phases of land surveying services. LOVELACE & ASSOCIATES employs 10 qualified individuals as professional land surveyors, technicians and draftsmen with additional support staff and consulting experts available for utilization on various projects. All of our field personnel are trained in Hazardous Waste Site procedures and maintain current OSHA 29CFR1910.120 certifications for utilization on environmental survey projects.

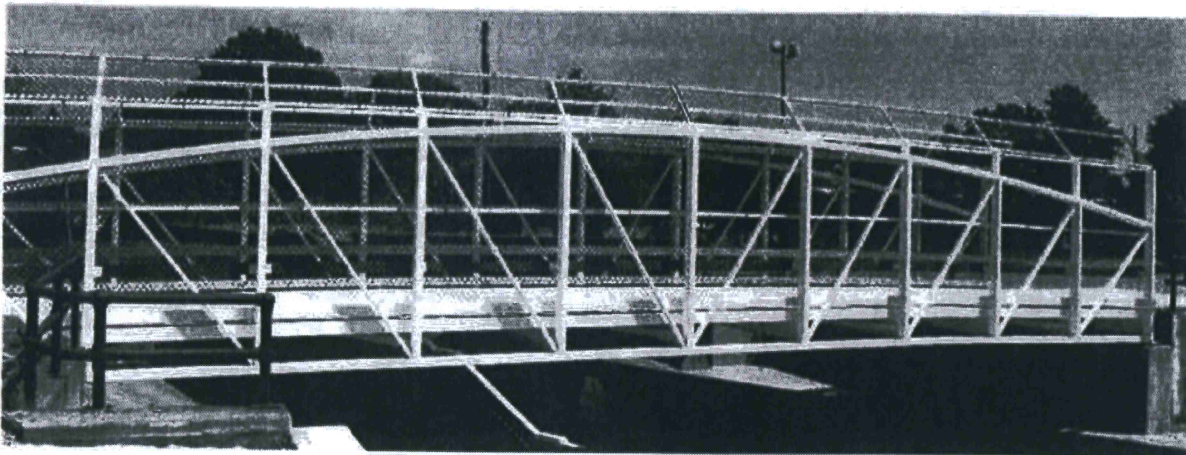
LOVELACE & ASSOCIATES is a service oriented and aggressive Land Surveying firm. We pride ourselves on customer service and providing a rapid turnaround time for our clients, as we are aware that the speed and accuracy of our work is directly related to the efficiency and productivity of our clients. We use the latest in technological advances to streamline our surveying process.

#### OWNERSHIP

LOVELACE & ASSOCIATES is a Limited Liability Company established in 1998 and located in Lee's Summit, Missouri. The company is managed and by Jeff Lovelace (49%) and partner Aaron Thomas (51%).

# 4. EXPERIENCE + REFERENCES

## KATY TRAIL OVERPASS BRIDGE SEDALIA, MISSOURI



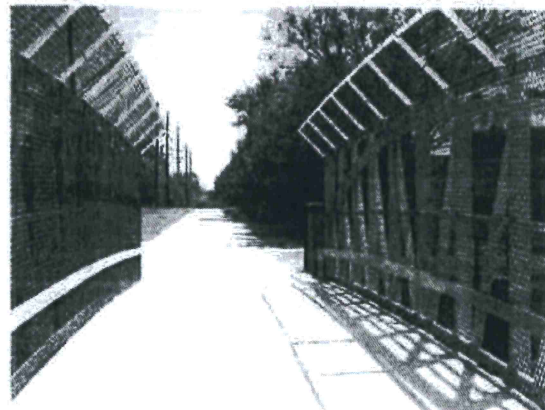
### OVERVIEW

Each year, the Katy Trail attracts 400,000 visitors along its 240-mile route from Clinton, Missouri, to Machens, Missouri, impacting the communities along its route. However, two old railroad bridges connecting the trail over Highway 50 in Sedalia, Missouri, were causing safety issues on the highway and on the trail, impacting the city and its visitors. McClure's team provided the survey, design and construction observation for the project and assisted with the application for Federal Transportation Alternative Program (TAP) Grant that helped fund the project.

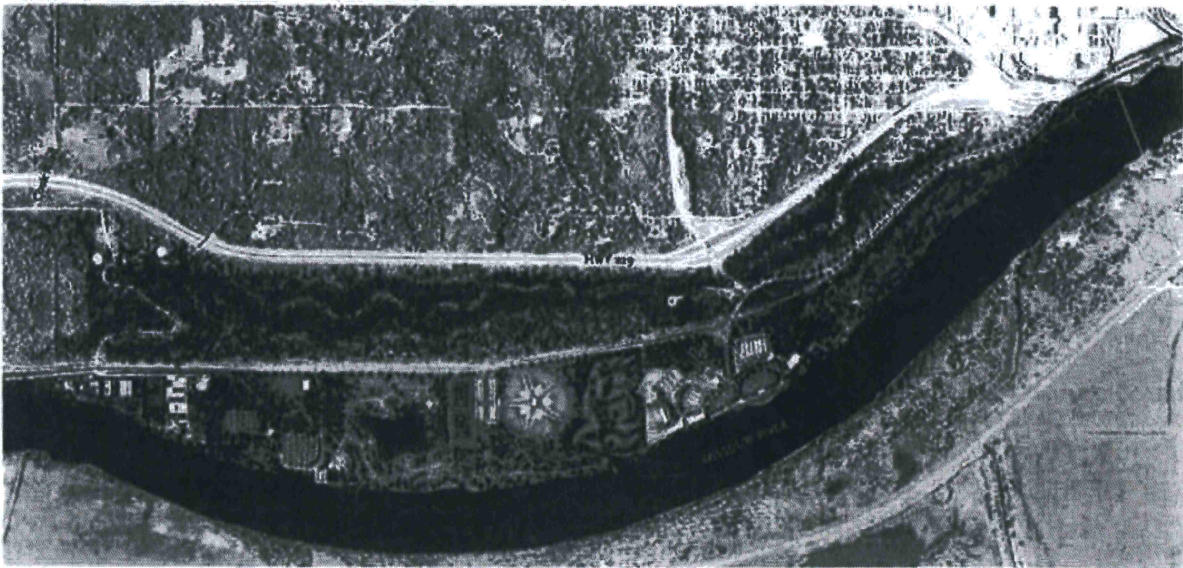
**COMPLETION DATE**  
2015

### REFERENCE

David Dick  
Presiding Commissioner of Pettis County  
660.826.5000  
davidd@pettiscomo.com



**ST. JOSEPH RIVERFRONT MASTER PLAN**  
ST. JOSEPH, MISSOURI

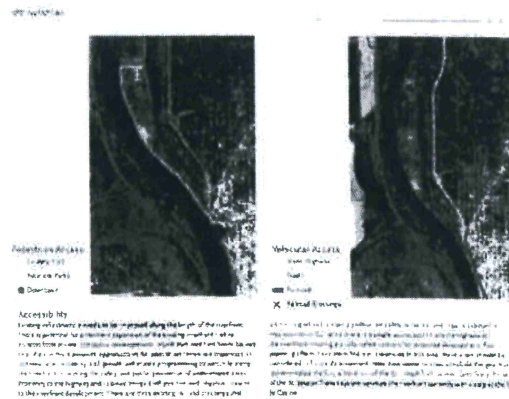
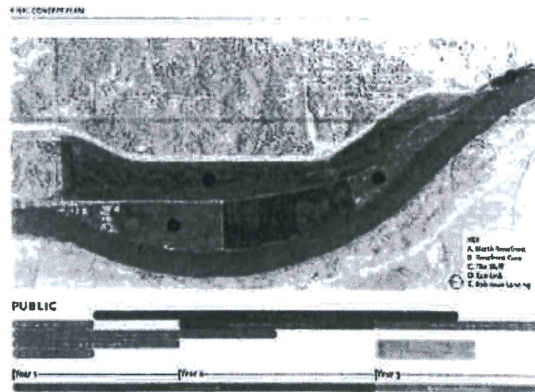


**OVERVIEW**

For many years, the City of St. Joseph had been looking for feasible ways to create a multi-use riverfront plan that would attract visitors to interact with the natural and built environment along the riverfront. As part of a master plan process, McClure was hired to perform preliminary civil and stormwater design. This included extensive study to determine existing conditions within the floodplain, use opportunities within the master plan area, including the potential for a marina, as well as the extension of vital infrastructure improvements to serve the area. As a result, a phased approach toward the extension of utilities to the unserved areas was developed, as well as the extension of an additional road access from the east to create additional ingress/egress to the area. Additionally, floodplain and topographical study showed viable areas of development that were then programmed for specific uses as defined by the focus groups.

**COMPLETION DATE**  
2019

**REFERENCE**  
Clint Thompson  
Planning and Community Development Director  
816.271.4827  
cthompson@stjoemo.org



# LITTLE BLUE TRACE TRAIL SEGMENT 1 AND 8

JACKSON COUNTY AND KANSAS CITY, MISSOURI\*



## OVERVIEW

The Little Blue Trace Trail system is a partnership project between Kansas City and Jackson County. Segment 1 of the trail was an extension south from Lee's Summit Road. The project included a half-mile of 10-foot-wide concrete paving, two miles of grading and drainage structures, a 40-stall trailhead, and prefabricated 70 foot and 160-foot-long bridges. The project required working around existing sanitary pump facilities and access roads and integrating the trail within the existing greenway. Segment 8 of the trail was a federally funded project connecting Kansas City's Blue Valley Park with the Little Blue Trace soccer complex used by Raytown Parks and Recreation. The project constructed a mile of 10-foot-wide concrete trail, a 150-foot-long prefabricated pedestrian bridge, and constructing trail underneath MoDOT bridges on Route 350. The project involved working around four baseball fields and two soccer fields and minimizing tree clearing. The project required threatened and endangered species clearance and completing plans, specifications, and estimates with MoDOT's LPA oversight.



## COMPLETION DATE

2018

## REFERENCE

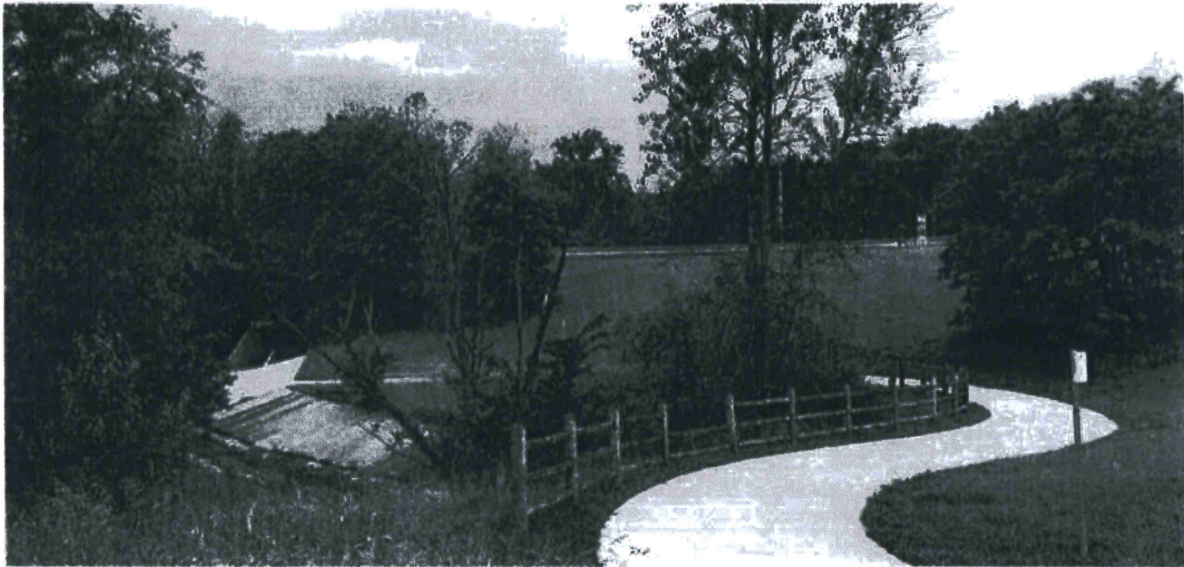
Bruce Wilke, PLA  
Jackson County Parks and Recreation  
816.503.4800  
bwilke@jacksongov.org

\*Project completed by project manager with previous employer.





**LINE CREEK TRAIL**  
 KANSAS CITY, MISSOURI\*



**OVERVIEW**

In 2008, the City of Kansas City, Missouri adopted a Citywide Trails Plan called TrailsKC. The trails network was developed by Wes Minder, PE, McClure's Lead Design Engineer, while he was an employee of Kansas City. By 2014, the entire 6-mile section of the Line Creek Trail within Kansas City was completed. Wes led the design, right of way acquisition, and construction stages of the project. The project was completed under traditional design-build and an alternative construction delivery method procurement. The trail includes two prefabricated pedestrian bridges, three low water stream crossings, and the retrofit of an existing double box culvert underneath Barry Road into a pedestrian underpass. The project involved partnership agreements with the City of Riverside and Platte County, Missouri, and was built in an archaeologically sensitive area with minimal impact.



**COMPLETION DATE**

2014

**REFERENCE**

Richard Allen, RLA  
 Senior Park Planner, Kansas City  
 816.513.7713  
 richard.allen@kcmo.org

\*Project completed by project manager with previous employer.





**OVERVIEW**

In 2006 the City of Fort Dodge complete the Envision 2030 document which is a 20-year plan for the community. The information was based on surveys from the community and information gathered from other communities. One of the areas identified as a weakness was the lack of trails and bicycle-friendly streets to provide access to recreational and social amenities. The City worked in conjunction with the County and the public developed a Trails Master Plan. The goal was to connect as many areas of town to parks, schools, and social amenities as possible with the resources available. With the Trails Master Plan, the City was able to prioritize the construction of each segment. McClure worked with the City of Fort Dodge and key players in the community to help develop the Trails Master plan. We assisted with obtaining funding and provided the design on various trail segments. Funding was secured to initiate the first phase of the trail network and after three years there has been nearly 12 miles of trail constructed. Part of the success was the ability to leverage funding sources to apply for additional funding. Of the \$6.7 million dollars spent, the local community contributed \$3.2 million. Throughout the planning, design and construction, McClure was a strong partner with the City. We worked closely with the public and ensured that construction proceeded smoothly for everyone involved.

**COMPLETION DATE**

2013

**REFERENCE**

Chad Schaeffer, PE  
City Engineer  
515.576.3601



**PLYWOOD TRAIL PLANNING**  
LE MARS, MERRILL, HINTON, AND SIOUX CITY, IOWA



**OVERVIEW**

In an effort to increase quality of life, and promote tourism, the cities of Le Mars, Merrill, Hinton, and Sioux City conceived the idea of connecting their respective communities with a recreational trail. The existing trail networks in Le Mars and Sioux City, with the addition of the 16-mile connection, will provide residents of all four communities' and Plymouth and Woodbury counties access to over 50 miles of paved trails. Branded the "Plywood Trail" the effort has been championed by a group of volunteers which make up the Plywood Trail Committee. This nonprofit group will continue to advocate and seek funding for the construction and maintenance of the trail through a multiyear planning, design, and construction effort. McClure is leading the preliminary planning and design phase of the project. Public outreach has been a major highlight of the effort. While the project has had consistent support from the cities, the county residents have had many questions and concerns which are being addressed through public meetings and open houses. A major component of this project is the "Source and Use of Funds" prepared by McClure.

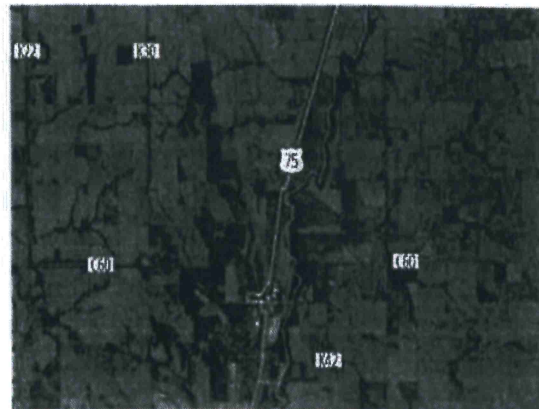


**COMPLETION DATE**

2017 - Ongoing

**REFERENCE**

Ryan Meyer  
Chair Plywood Trail Committee  
712.500.5841  
rjmeyer2@bluebunny.com



# CARLISLE NATURE TRAIL

CARLISLE, IOWA



## OVERVIEW

The City of Carlisle was ready to move forward with the first phase of the trails identified in the "Trails Master Plan". However the funding of the trail still needed to be addressed. To make a meaningful expansion of the trail system the City needed to find funding for the \$3.2 million project which included a new bridge over the North River, an underpass of Scotch Ridge Road, Scotch Ridge Nature Park Wetlands, and just over 3 miles of trail construction. McClure worked with the City to assemble a financing package which for the trail which would minimize the city funds required for completion, and allow for construction of a project which would positively impact the community.

The final financing package ultimately leveraged a 10% local city contribution for construction of the \$3.2 million project. The project route ultimately started at the future connection point of Greater Des Moines Trail system, and connected Scotch Ridge Nature Park, Danamere Farms Iowa Natural Heritage Foundation Site, Carlisle Middle School, Danamere Farms Conservation Development, Lindhart Park, Carlisle Aquatic Center, and the Summerset Trail.

## COMPLETION DATE

2017

## REFERENCE

Andy Lent  
City of Carlisle  
515.989.3224



**HOOVER NATURE TRAIL**  
JOHNSON COUNTY, IOWA



**OVERVIEW**

The Hoover Nature Trail project was 6 miles of hard surface trail that extends from the City of Solon to Seven Sisters Road in Johnson County. This trail segment was dubbed the "missing link" of the Hoover Trail. Once completed, trail users would have access to over 200 miles of trail networks. This project connected the Cedar River Trail, Cedar Valley Nature Trail, and the Hoover Trail to form an essential part of the American Discovery Trail in Eastern Iowa. The project included three bridges, a box culvert, numerous drainage pipes, and a trail underpass.

Working with the US Army Corps of Engineers, the IowaDNR, the City of Solon, and Johnson County Conservation Board, McClure developed a final alignment that highlights historically significant and naturally significant features along the corridor while providing a safe connection along well traveled county roads. Through diligent and continued multiagency coordination, NEPA clearance was obtained in November 2015 for the entire project corridor. This clearance included several Section 4(f) evaluations, wetland delineation, and threatened and endangered species coordination. The overall project was constructed in three segments.



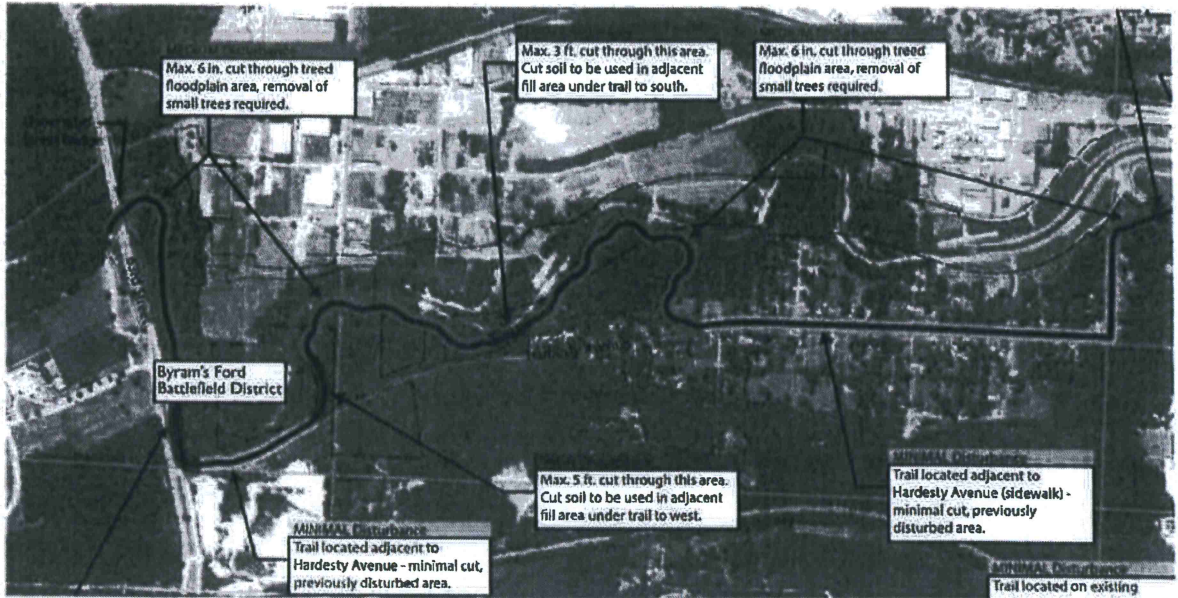
**COMPLETION DATE**

2016

**REFERENCE**

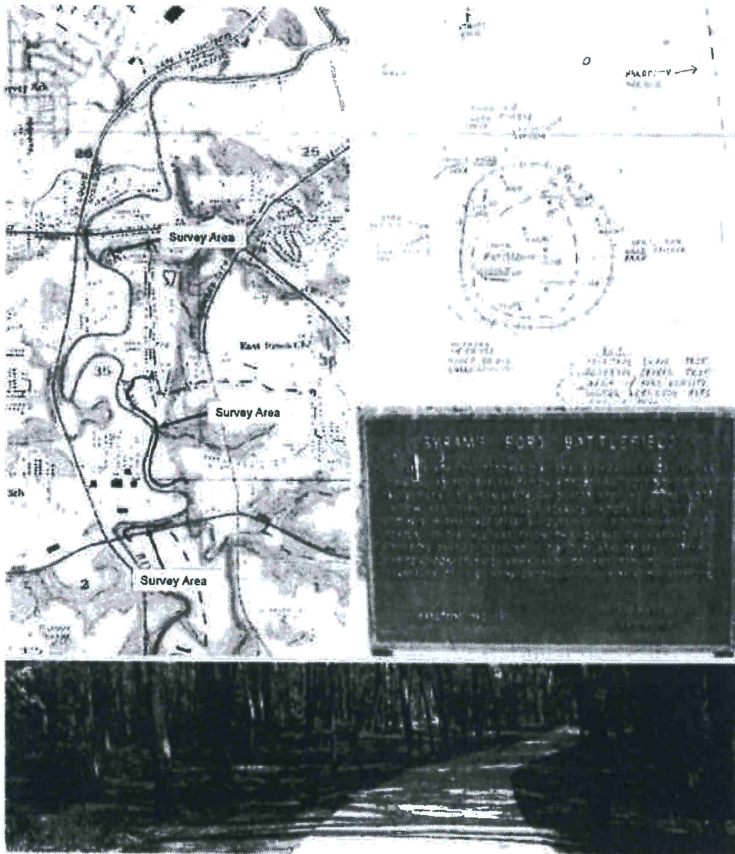
Larry Gullett  
Executive Director, JCCB  
319 645 2315





## Blue River Trail - NEPA/Section 106 Compliance

Kansas City, ( Jackson County ) Missouri



Integration of environmental values into the decision-making process is part of Vireo's founding philosophy. Our process, like the National Environmental Policy Act (NEPA), incorporates natural and cultural resource protection into all aspects of a project for their intrinsic and functional value to current and future generations.

During the design of the 10-mile multi-use Blue River Trail within Kansas City, Missouri, it was determined the trail would be traversing an important historic area known as the Byram's Ford Historic District (listed in the National Register of Historic Places), which includes the Big Blue (Byram's Ford) Battlefield. The trail alignment was determined in coordination with the Phase One Archeological Survey to ensure the alignment would avoid impacting cultural and archeological resources. Additionally, locations were identified for the placement of historic markers and interpretive signage for trail users to experience the importance of the area. The Vireo Team completed all required NEPA and Section 106 compliance documents prior to construction of the trail.



#### Client | Contact

City of Kansas City, Missouri  
4600 W. 63rd Street  
Kansas City, MO 64130

Richard Allen, Project Manager  
richard.allen@kcmo.org  
816-513-7713

## Blue River Trail | 103rd Street to Alex George Lake Kansas City | Missouri



The federally funded project involved design and construction documentation for a 0.9-mile portion of the Blue River Trail from Alex George Lake to 103rd Street. The trail winds through scenic Blue River floodplain forest, provides views of Alex George Lake, and allows access to Jackson County recreational fields. Special trail features include a 160-foot long pedestrian bridge across the Blue River and two smaller bridges. This segment is a part of a larger trail system underway in the City which will eventually extend south along the Blue River and east toward the 3-Trails Crossing. Vireo successfully managed a collaborative design team which included surveyors, civil engineers and structural engineers. Construction was completed in October of 2011 at a cost of \$830,000, which was 15% under the estimated construction budget.



#### Client

City of Pleasant Hill, MO  
203 Paul Street  
Pleasant Hill, Missouri

(816) 540-3135

## Pleasant Hill Trail Master Plan and Implementation

Pleasant Hill, Missouri



Vireo completed a city-wide Bicycle & Pedestrian Master Plan for the City of Pleasant Hill, Missouri. The plan is the culmination of a number of years of work with City officials and neighboring jurisdictions to bring the Katy Trail into the Kansas City Region. This important State and Regional link was the incentive to complete the plan which resulted in community-wide trail routes connecting major destinations and providing access to surrounding facilities over time. The plan is based on strong citizen participation and political support. It has facilitated Pleasant Hill's successful grant applications for funding trail construction and continues to provide the guidance for capital improvements programming and requests for construction as development occurs.

Vireo also completed Construction Documentation for Phase I and Phase II of the Trail Master Plan.





**Client | Contact**

Lafayette Healthy  
Lifestyle Initiative  
14 E 19th, Suite 102  
Higginsville MO 64037

Marsha Corbin  
Old Trails Region Scenic Byway  
660.232.1836  
oldtrailsregion@gmail.com

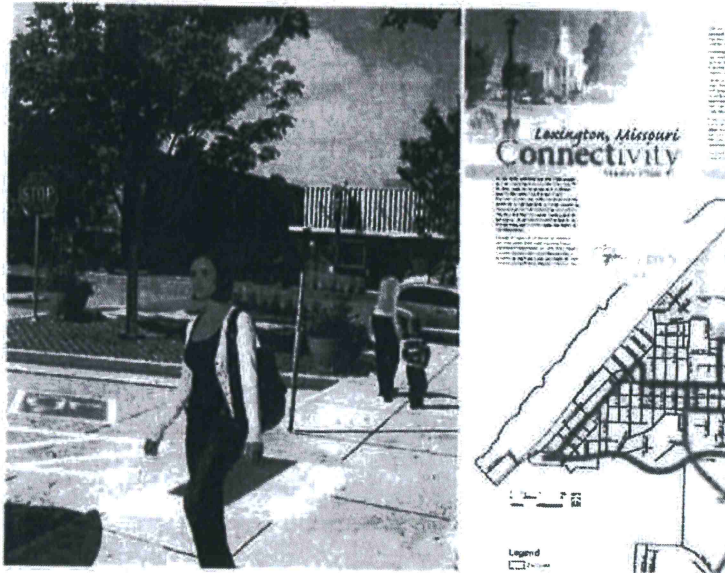
**Lexington Rail-Trail Plan  
Lexington | Missouri**



As a next step to the Connectivity Master Plan completed in 2011 and the 2013 Crystal Lake Park Plan, the Live Healthy, Live Well Health Care Collaborative asked Vireo back to complete a plan for a Rail-Trail in Lexington, Missouri.

Vireo completed a walking assessment of the roughly 2.5 mile rail corridor and provided the Collaborative with an illustrative map detailing the improvements needed to complete the transformation to the City's only east-west off-street bike ped connector.

Development work is set to commence in 2014. Once constructed, the trail will form several key linkages between Lexington parks and two developed Safe Routes to School corridors, and ties the west side of the City at Highway 224 together with the east side at Highway 13.



**Clients**

Lafayette County Health Care Coalition  
 14 E 19th, Suite 102  
 Higginsville MO 64037

Marsha Corbin  
 Old Trails Region Scenic Byway  
 660.232.1836  
 oldtrailsregion@gmail.com

# Live Healthy, Live Well: Connectivity Master Plan

Lafayette County, Missouri



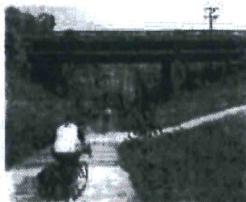
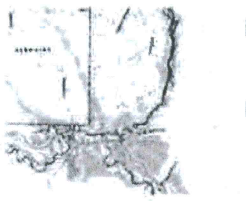
Live Healthy, Live Well is a product of Social Innovation for Missouri grant funding, supported by the Missouri Foundation for Health. As a part of this campaign, Lafayette County HCC commissioned master plans for pedestrian and bicycle facility improvements for each of the cities, Higginsville and Lexington.

These communities' Connectivity Master Plans take into account the social, government and retail destinations available, residential areas and the condition of current pedestrian access. Destinations were mapped, a sidewalk inventory was taken of each community, and through the help of local focus groups, routes were prioritized for future improvements. Routes incorporated current and future Safe Routes to School projects and highlighted opportunities for regional trail connections.

With the clear direction the master plans provide, the Cities can now focus on raising awareness, assembling funds and getting key health- and safety-boosting projects built. An initial implementation step included Crystal Lake Park in Lexington, Missouri.



# Trail Planning, Design, & Construction Experience



## Trail Planning Experience

- National Parks Service - 3-Trails Corridor | Kansas City Metro (MARC)
- Liberty Trail Planning | Liberty, MO
- 3-Trails - 6th District PITC Study | Kansas City, MO
- Clay County Trails Planning | Clay County, MO
- MARC Bike and Pedestrian Plan | Kansas City Metro (MARC)
- Overland Park Bike Master Plan | Overland Park, KS
- Brush Creek - Blue River Confluence Trail | Kansas City, MO
- Trails KC | Kansas City, MO
- Bike KC | Kansas City, MO
- Little Blue River Trail Planning - Longview to Bannister Road | Kansas City, MO (USACE)
- Missouri River Trail Master Plan | Platte County, MO (USACE)
- Riverfront Heritage Trail - | Kansas City, MO
- Riverfront Heritage Trail - Spirit of Kansas City Scenic Byway | Kansas City, MO
- Riverfront Heritage Trail - Art Master Plan | Kansas City, MO
- MetroGreen | Kansas City Metro (MARC)
- Line Creek Trail | Riverside, MO
- Line and Second Creek Trail Study | Kansas City, MO
- Rocky Branch Trail Alignment | Kansas City, MO
- Pleasant Hill Trail Master Plan | Pleasant Hill, MO
- Harrisonville Trail Master Plan | Harrisonville, MO
- Lenexa Trail Master Plan | Lenexa, KS
- West Lenexa Trail Master Plan | Lenexa, KS
- Lee's Summit Greenway Master Plan | Lee's Summit, MO
- WAMPO Bicycle and Pathways Plan | Wichita, KS

## Trail Design and Construction Experience

- Missouri Riverfront Trail - Front Street to Chouteau Parkway | Kansas City, MO (MoDOT)
- Forest Park Trail | Parsons, KS (KDOT)
- 152 Trail - Amity to Maple Woods Parkway - 6 Phases | Kansas City, MO (MoDOT)
- Blue River Trail - Swope Park to Colorado Ave Bridge | Kansas City, MO (MoDOT)
- Blue River Trail - Colorado Ave Bridge to Stadium Drive | Kansas City, MO (MoDOT)
- Blue River Trail - Stadium Drive to Truman Road | Kansas City, MO (MoDOT)
- Blue River Trail - 103rd Street to Alex George Lake | Kansas City, MO (MoDOT)
- Smithville Lake - Little Platte Trail | Clay County, MO (MoDOT)
- Pleasant Hill - Mo Pac Trail - Downtown to Lake Pleasant Hill | Pleasant Hill, MO (MoDOT)
- Pleasant Hill - Mo Pac Trail - Downtown to Fairgrounds | Pleasant Hill, MO (MoDOT)
- Truman Farm Home Trail | Grandview, MO (MoDOT)
- Line Creek Trail - Riverside to Hwy 152 - 4 Phases | Kansas City, MO (MoDOT)
- Line Creek Trail - 64th Street Trailhead | Kansas City, MO
- Second Creek Trail - 4 Phases | Kansas City, MO (RTP)
- Missouri Riverfront Levee Trail - Front Street to Chouteau Parkway | Kansas City, MO (MoDOT)
- Missouri Riverfront Levee Trail - Riverside to Parkville | Platte County, MO (USACE, RTP)
- 3-Trails - 91st to 93rd Street Trail | Kansas City, MO
- 3 Trails- Hickman Mills School District | Kansas City, MO
- 3 Trails- Marion Park | Kansas City, MO
- 3 Trails- Avila University | Kansas City, MO
- 3 Trails- Triangle Trail | Kansas City, MO
- Riverfront Heritage Trail - Freedom Mall | Kansas City, MO (RTP)
- Riverfront Heritage Trail - River Bluff Park | Kansas City, MO
- Python Court Trail Extension | Columbia, MO (MoDOT)
- Rolling Ridge Trail | Olathe, Kansas (KDOT)
- Turkey Creek Trail Extension | Merriam, KS
- Coon Creek Trail | Lenexa, KS (KDOT)
- Black Hoof Park Trail | Lenexa, KS (KDOT)
- Southview Trail | Liberty, MO (MoDOT)
- Wilshire Trail | Liberty, MO (MoDOT)
- Westborough/Cantebury Trail | Liberty, MO (MoDOT)
- Cates Branch South Trail | Liberty, MO (MoDOT)
- Discover the Path to Wellness Trail - Liberty Hospital | Liberty, MO (MoDOT)
- Fishing River Trail | Excelsior Springs, MO (MoDOT)
- Elms Hotel Trail | Excelsior Springs, MO (MoDOT)
- Fishing River Trail | Kearney, MO (MoDOT)
- Nail Park Walking Trail | Roeland Park, KS
- Mize Park Trail | Lenexa, KS
- Amity Woods Nature Park Trail | Kansas City, MO
- Platte Purchase Park Trail | Platte County, MO

Landscape Architecture | Planning | Design

# 5. ORG CHART + RESUMES

Over the years, McClure has honed its ability to perform a range of services needed to develop and deliver multi-disciplinary projects. We leverage our staff resources to create the project team that is best aligned with the size and scope of each project. What makes us different? It's our ability to provide these comprehensive services with a hands-on, personal touch. We build long-lasting relationships with our clients and partners that better enable us to innovate and find cost-effective solutions for any issues that arise. To us, Jackson County is not just another client; it is our collective future.



**WES MINDER, PE**  
PROJECT MANAGER + POINT OF CONTACT



**STEPHEN RHOADES, PLA**  
PLANNING + ENVIRONMENTAL COMPLIANCE



**GREG PFAUF, PLA, LEED AP**  
TRAIL AMENITIES



**AARON MCVICKER, PE**  
BRIDGE DESIGN



**MATT EBLEN, PE, LEED AP**  
HYDRAULICS



**LAURIE BROWN**  
SECTION 106 CLEARANCE + CONSERVATION



**NILESH LAL, PE**  
GEOTECHNICAL ENGINEER



**JEFF LOVELACE, PLS**  
LAND SURVEYOR



# WES MINDER, PE

## PROJECT MANAGER + POINT OF CONTACT

Wes has over 22 years of experience including spending the past 16 years with the city of Kansas City, Missouri where he administered over 100 capital improvement projects including more than 25 federally funded projects under MoDOT's Local Public Agency procedures. Wes's projects ranged from multiple trail projects such as the Line Creek, Route 152, Shoal Creek, and Little Blue Trace Trails, development of the Big Shoal Greenway Trail and Park Improvements, and roadway improvement projects such as the US 169 Interchanges at Tiffany Springs and Shoal Creek Parkways and numerous partnership projects funded through CID, TDD, and TIF districts. He conducted Section 106 clearances from the Missouri State Historical Preservation Office and Threatened and Endangered Species evaluations for federally funded projects. He also has completed bidding documents including front end boilerplate material to ensure that the bidding and specifications are compliant with state and federal regulations to ensure compliance with FHWA guidelines and can pass post-construction audits of the project files.

**REGISTRATION(S)**  
PE: IA, KS, MO

**EDUCATION**  
MBA, Rockhurst University  
BS, Civil Engineering  
University of Illinois

**YEARS OF EXPERIENCE**  
22

\*Project completed with previous employer.

### RELATED PROJECT EXPERIENCE:

- Kansas City Major Street Plan Update – Kansas City, MO\*
- Trails KC Plan Development and Implementation – Kansas City, MO\*
- Line Creek Trail Design-Build – Kansas City, MO\*
- Little Blue Trace Trail – Jackson County and Kansas City, MO\*
- Second Creek Trail – Kansas City, MO\*
- Big Shoal Greenway Trail and Park Improvements – Kansas City, MO\*
- Shoal Creek Trail – Gladstone and Kansas City, MO\*
- BikeKC Plan Update – Kansas City, MO\*
- US 169 Buck O'Neil Bridge Environmental Assessment – Kansas City, MO\*
- Shoal Creek and Tiffany Springs Parkway Interchanges – Kansas City, MO\*
- Englewood Boulevard Complete Street Reconstruction – Kansas City, MO\*
- Barry Road at I-29 Phase 2 Improvements – Kansas City, MO\*
- Street Reconstruction Design-Build Projects, Multiple Locations – Kansas City, MO\*





# STEPHEN RHOADES, PLA

## PLANNING + ENVIRONMENTAL COMPLIANCE

With years of professional experience Steve has become a recognized leader in the field of greenway, trail and park systems. Steve has served as liason to Mid-America Regional Council for the implementation of MetroGreen the regional greenway system for the Kansas City metropolitan area. He has been instrumental in the implementation of several local greenway systems including Missouri Riverfront Trail in Platte County, Line and Second Creek Trail in Kansas City, the 3-Trails Corridor in south Kansas City and the Riverfront Heritage Trail in Kansas City. Steve was a founding member of Bike Walk KC and also serves on the Boards of the Regional Transit Alliance and Kansas City River Trails. For six years he served as a member of the Missouri Trails Advisory Board which is responsible for awarding Recreational Trail Program (RTP) grants for the State of Missouri.

### REGISTRATION(S)

RLA: CO, IA, KS, MO, NE, OK

Certified Bike Safety Instructor

### EDUCATION

Knight Fellowship +  
Community Building  
University of Miami

Certification, National  
Charrette Institute

Charrette Planner

BLA, Landscape Architecture  
Kansas State University

### YEARS OF EXPERIENCE

26

### RELATED PROJECT EXPERIENCE:

- Missouri Riverfront Trail, Front Street to Chouteau Parkway – Kansas City, MO (MoDOT)
- Blue River Trail, 103rd Street to Alex George Lake – Kansas City, MO (MoDOT)
- Lee’s Summit Greenway Trails Master Plan – Lee’s Summit, MO
- 152 Trail, Amity to Maple Woods Parkway, 6 Phases – Kansas City, MO (MoDOT)
- National Parks Service, 3-Trails Corridor – Kansas City Metro (MARC)
- 3-Trails, 6th District Trails Study – Kansas City, MO
- MARC Bike and Pedestrian Plan – Kansas City Metro (MARC)
- Trails KC Plan – Kansas City, MO
- Little Blue River Trail Planning, Longview to Bannister Road – Kansas City, MO (USACE)
- Riverfront Heritage Trail – Kansas City, MO
- Leavenworth and SW Johnson County Transit Plans – Leavenworth Co. and Johnson Co., KS
- Topeka Pedestrian Master Plan – Topeka, KS
- Overland Park Safe Bicycle Use Outreach – Overland Park, KS
- Greater Kansas City Regional Bike Plan – Kansas City, MO
- MetroGreen, Greenway and Trail Planning – Kansas City, MO

vireo



**GREG PFAU, PLA, LEED AP**  
TRAIL AMENITIES



Greg has more than 12 years of park design experience and has been with McClure working on development of numerous park master plans. As a member of our site development team, Greg leads the master planning efforts for many private and public development projects where he integrates building footprints, parking lot layouts, and amenity spaces with enhanced pedestrian patterns, entryway features, and gateway monuments that are simple to construct and within project budgets. He is active in the Kansas City metro mountain biking groups including Urban Trail Company and volunteers in the development of trail systems in the area. Between his mountain bike user experiences and his volunteer efforts, Greg is acutely aware of the ongoing maintenance requirements of a project of this type and will design features that will not become undue maintenance burdens on the County. Greg will be assisting the County with site and master planning the intended activities, creating welcoming features, and advising on nationwide best practices including proper signage for liability protection.

**REGISTRATION(S)**

PLA: IA, KS, MO

LEED Accredited Professional

**EDUCATION**

BLA, Landscape Architecture,  
Secondary Major in Natural  
Resources and  
Environmental Systems  
Kansas State University

**YEARS OF EXPERIENCE**

12

**RELATED PROJECT EXPERIENCE:**

- Riverfront Master Plan – St. Joseph, MO
- Thompson Park Master Planning and Construction Documents – Overland Park, KS
- Uptown Market Design-Build – Independence, MO
- Platte Landing Park, Sports Complex Master Plan – Parkville, MO



**AARON MCVICKER, PE**



Aaron has more than 14 years of experience in roadway design, hydraulic design, railroad coordination, and design review for structures owned by Missouri Department of Transportation's (MoDOT) Local Public Agencies. He spent six years with MoDOT and successfully brought roadway realignment, bridge replacement, roadway rehabilitation, pedestrian access (ADA), intersection, on-call guardrail, and hydrologic design projects from design through the construction phase. Aaron's responsibilities with McClure as a Project Manager and now Team Leader have included client communication and development, delivering an array of bridge projects for Local Public Agencies, roadway rehabilitation, Sidewalks (ADA), bridge inspection services, and various other project types as needed. He is a certified Bridge Inspection Team Lead and has completed the following National Highway Institute (NHI) courses—130054: Engineering Concepts for Bridge Inspectors, 130055: Safety Inspection of In-Service Bridges, 130078: Fracture Critical Inspection Techniques for Steel Bridges, and OSHA and Fall Protection training.

**REGISTRATION(S)**

PE: IA, KS, MO, OK

MoDOT Local Agencies Basic  
Training

OSHA General Industry  
Certification

**EDUCATION**

MBA, Civil Engineering  
William Woods University

BS, Civil Engineering  
University of Missouri -  
Columbia

**YEARS OF EXPERIENCE**

14

**RELATED PROJECT EXPERIENCE:**

- Randolph County Bridge 3670020 BRO-B088 (22) – Randolph County, MO
- Scotland County Bridge 2170011 Replacement (SMC) – Scotland County, MO
- Linn County Bridge 0190003 Replacement (SMC) – Linn County, MO
- Low Water Crossing Replacement on Kennedy Street BRO-NBIL-B061 (32) – Macon County, MO





**MATT EBLEN, PE, LEED AP**  
HYDRAULICS



Matt has been with McClure since 1995, during which time he has honed his expertise in both site design and stormwater management. As a project manager and site designer, he has developed an eye at making conceptual site plans into realistic final construction plans, for both large and small sites. Matt's experience allows him to manage the grading and utilities that are a part of every site design. His experience also includes the study, design, and management of stormwater projects. He has overseen the creation and implementation of city-wide stormwater master plans as well as the design and construction of site-specific detention/retention basins. Matt's expertise also includes channel improvements and storm sewer systems and water quality or Best Management Practice (BMP) projects like rain gardens, bioretention basins and wetlands for both planning and design for public and private clientele. For this project Matt will lead the stormwater management and evaluation efforts.

**REGISTRATION(S)**

PE: KS, MO

LEED Accredited Professional

**EDUCATION**

MS + BS, Civil Engineering  
University of Kansas

**YEARS OF EXPERIENCE**

25

**RELATED PROJECT EXPERIENCE:**

- Riverfront Master Plan – St. Joseph, MO
- Middle Blue River Basin Outfall 063 – Kansas City, MO
- KCMO TIF Projects (Platte Purchase Drive, Tiffany Springs Road, Line Creek Parkway with Water and Sewer Extensions) – Kansas City, MO
- St Luke's East Campus, Site and Stormwater – Lee's Summit, MO



**LAURIE BROWN, LEED AP**



Laurie is an ecologist with 30 years of professional experience in natural resource, ecological and urban planning, design and public policy. She is involved in natural resources related projects including ecosystem and cultural landscape restoration, natural resource inventories, and native landscaping in KS, MO, and NE. Laurie has extensive experience in conducting biological surveys and environmental assessments, stream asset inventories, stream stabilization and restoration, and wetland design and construction. She is involved in regional and local green infrastructure planning and design, wetland delineations, environmental permitting, and native landscaping of development sites for municipalities and counties. She has provided environmental permitting services for projects for over 10 years. She is certified as a Qualified Scientist for the NE DOT, a US Army Corps of Engineers trained wetland delineator, and has training and experience in completing National Environmental Policy Act (NEPA) documentation for federal and federally funded projects. Laurie also has Rosgen Level I & II Fluvial Geomorphology training and US Forest Service Prescribed Fire training. Prior to Vireo, Laurie was the Urban Wildlife Biologist for the MO Depart. of Conservation's KC region.

**REGISTRATION(S)**

LEED AP

Qualified Scientist (NE DOT)

NEPA Compliance

Rosgen Level I + II

**EDUCATION**

MA, Community Planning  
Iowa State University  
Grad School, Veterinary  
Science, University of  
Wisconsin - Madison  
BS, Zoology University of  
Washington - Seattle

**YEARS OF EXPERIENCE**

30

**RELATED PROJECT EXPERIENCE:**

- Brush Creek, Blue River Confluence Ecosystem Restoration – Kansas City, MO
- Parkville Bottoms Section 1135 Ecosystem Restoration – Parkville, MO
- Johnson County Park & Recreation District, Natural Resource Plan and Maintenance Plan – Johnson County, KS
- Prairie Band Potawatomi Nation, Land and Water Management Plan and Integrated Feasibility Study –Mayetta, KS







**NILESH LAL, PE**  
**GEOTECHNICAL ENGINEER**



Nilesh has over 21 years of experience in geotechnical engineering, performing numerous investigations and preparing geotechnical analyses and reports for a variety of transportation projects, including bridges, culverts and other structures, where he has provided seismic and L-Pile parameters. Nilesh manages TSi's drilling services and has expertise in practical field and laboratory experience. His construction monitoring experience includes providing solutions when difficult conditions are encountered during construction.

**REGISTRATION(S)**  
 PLA: IA, MO

**EDUCATION**  
 MS, Civil Engineering  
 Iowa State University  
 BS, Civil Engineering  
 Victoria Jubilee Technical  
 Institute

**YEARS OF EXPERIENCE**  
 21

**RELATED PROJECT EXPERIENCE:**

- Katy Trail Bridge Replacement over Little Femme Osage Creek – St. Charles County, MO
- West Clay Road Expansion – O'Fallon, MO
- Lillian Avenue and Sidewalk Improvement – Northwoods, MO
- I-64 Improvements from I-270 to Route 340 – St. Louis County, MO (MoDOT)
- New Daniel Boone Bridge over Missouri River – St. Charles and St. Louis Counties, MO (MoDOT)



**JEFF LOVELACE, PLS**  
**LAND SURVEYOR**



Jeff is a principal of LOVELACE & ASSOCIATES and provides oversight to land surveying projects. His experience encompasses more than 30 years of Land Surveying service. Jeff is particularly familiar with the surveying needs associated with large and small projects specific to ALTA surveys, property boundary surveys, engineering design and as-built surveys, route surveys, control networking and construction projects relating to commercial, residential, and municipal requirements. He is focused on client satisfaction and he applies a balanced and direct approach to projects based on personal communication with clients.

**REGISTRATION(S)**  
 PLS: KS, MO

**EDUCATION**  
 Land Survey Program  
 Metropolitan Community  
 College

**YEARS OF EXPERIENCE**  
 30

**RELATED PROJECT EXPERIENCE:**

- NW Commerce Drive Improvements – Lee's Summit, MO
- Burns and McDonnell Headquarters, Design and Construction Layout – Kansas City, MO
- Sanitary Sewer Mapping – Blue Springs, MO
- Cedar Street Improvements, Topographic Survey – Olathe, KS
- Boundry and Topographic Surveying for David Brewer Elementary – Leavenworth, KS

