

# TRANSPORTATION ENHANCEMENT PROGRAM

# HASKELL RAIL TRAIL



**BICYCLE AND PEDESTRIAN CATEGORY** 



February 2013



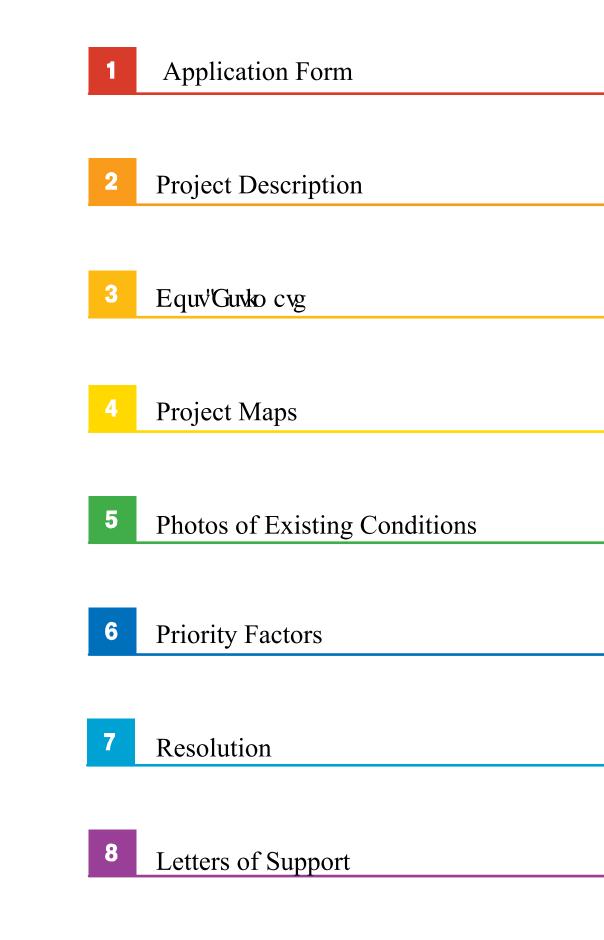
# TRANSPORTATION ENHANCEMENT PROGRAM

# Haskell Rail Trail

Submitted by:



## The City of Lawrence, Kansas And The Lawrence/Douglas County Metropolitan Planning Office







1. Application Form





## **Transportation Enhancement Project**

### **APPLICATION FORM** 2013

PRIMARY CATEGORY: Pedestrian/Bicycle	DATE:	1/31/13		
REQUESTOR: City of Lawrence		PROJECT _AREA/LENGTH:_	4142 LF miles	Sq. ft. acres
GOVERNMENT AGENCY: City of Lawrence		COUNTY:	DG	
PROJECT LOCATION: <u>Between K-10 (23rd Street) and</u>	29th Stree	t along existing	g Haskell Rail	Trail

PROJECT DESCRIPTION: Place concrete trail to connect the Burroughs Creek Rail Trail to the

proposed South Lawrence Trafficway Trail

COST ESTIMATE:		Current 2013	_	Nicholas C Voss		
		Cost		Contact Person		
С	Construction Cost:	\$ <u>201,330.50</u>		Project Engineer, Title		
R	Right-of-Way Cost:	\$		6 E 6th Street		
U	Jtility Adjustment Cost:	\$ <u>0</u>	_	Street Address		
С	Construction Engineering:	\$ <u>17,507.00</u>	_			
2	2013 TOTAL PROJECT COST:	<b>\$</b> 218,837.50		Mailing Address		

% Federal Aid Requested: 80 %

% Local Match\* 20 % \* Minimum of 20%

Please circle any secondary categories:

- Scenic & Environmental items
- Pedestrian/Bicycle items
- Historic items

S

, Public Works

Lawrence, KS 66044 City and Zip Code

Phone # (785) 423-3863

Fax # (<u>785</u>) 832-3398

email address: nvoss@lawrenceks.org

Signature of Contact Person

Postmark by February 15<sup>th</sup>, 2013 to:

Kansas Dept. of Transportation Eisenhower State Office Building Bureau of Transportation Planning 700 SW Harrison Street Topeka, KS 66603-3754



# 2. Dfc/YWW/8 YgW/Jdhjcb



We are pleased to submit this application for 2013 Transportation Enhancement Funding. Lawrence is proud of its achievements in cycling, culminating with the recongnition of Bicycle Friendly Community status by the League of American Bicyclists. Being the third Bicycle Friendly Community in Kansas and the 51st in the nation comes with a great sense of pride and responsibility. This application furthers the commitment of the City of Lawrence to enhancing the lives of its citizens by providing the best, safest recreation and travel opportunities available. The MPO endorsed this application on January 17<sup>th</sup>, 2013. A letter of submittal concerning this application has been included in the Letter of Support section of this application.

### **Project Location**

The proposed project is geographically located in eastern Lawrence. As seen on the Site Map, this planned Shared Use Path runs north-south from 29th Street to K-10 (23<sup>rd</sup> Street). This provides an essential connection between the proposed South Lawrence Trafficway Shared use Path to the Burroughs Creek Rail Trail Shared Use Path. It effectively links all of eastern Lawrence with a north-south trail along an abandoned railroad corridor from the proposed South Lawrence Trafficway Trail to Prairie Park and Mary's Lake to Haskell Indian Nations University to downtown Lawrence. The trail will provide essential north – south movement in the eastern area of Lawrence and make it easier to get to and from downtown to southeastern portions of our community. This improvement would provide immediate benefits to the bicycling community from both a safety and mobility perspective.

### **Project Descriptions**

The Haskell Rail Trail was the first operational rail trail in the state of Kansas. The proposed project would place a 10 foot wide 6" thick fiber reinforced Shared Use Path on top of the existing limestone screening surface trail. This uses the existing trail to provide a cost effective solution to adding a Shared Use Path between 29th Street and 23rd Street.

To the North the Haskell Rail Trail connects to the Burroughs Creek Rail Trail. The Burroughs Creek Rail trail runs along city parks including the parks on 19th Street, Haskell Street, Prairie Park, and Hobbs Park. It connects the East Lawrence Neighborhood Association, the Brook Creek Neighborhood Association, the Woods on 19th Homeowners Association and the Barker Neighborhood Association. It also provides a safe connection for east Lawrence residents to downtown Lawrence with a hybrid pedestrian beacon at 11th Street and 19th Street and raised crosswalks at 13th Street and 15th Street.

To the South the Haskell Rail Trail will connect to the proposed section of the South Lawrence Trafficway. The soon to be constructed section of the South Lawrence Trafficway will include a shared use path from K-10 and Haskell to K-10 and Iowa where it will connect with the existing South Lawrence Trafficway Trail. The existing South Lawrence Trafficway Trail passes through both residential areas and parks. It also makes connections to the Clinton Parkway Trail that runs east from the South Lawrence Trafficway for four miles along Clinton Parkway.



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City of Lawrence, Kansas

### **DETAILED COST ESTIMATE**

Project Title. Haskell Rail Tra

Haskell Rail Trail

Feet Width 4142 10

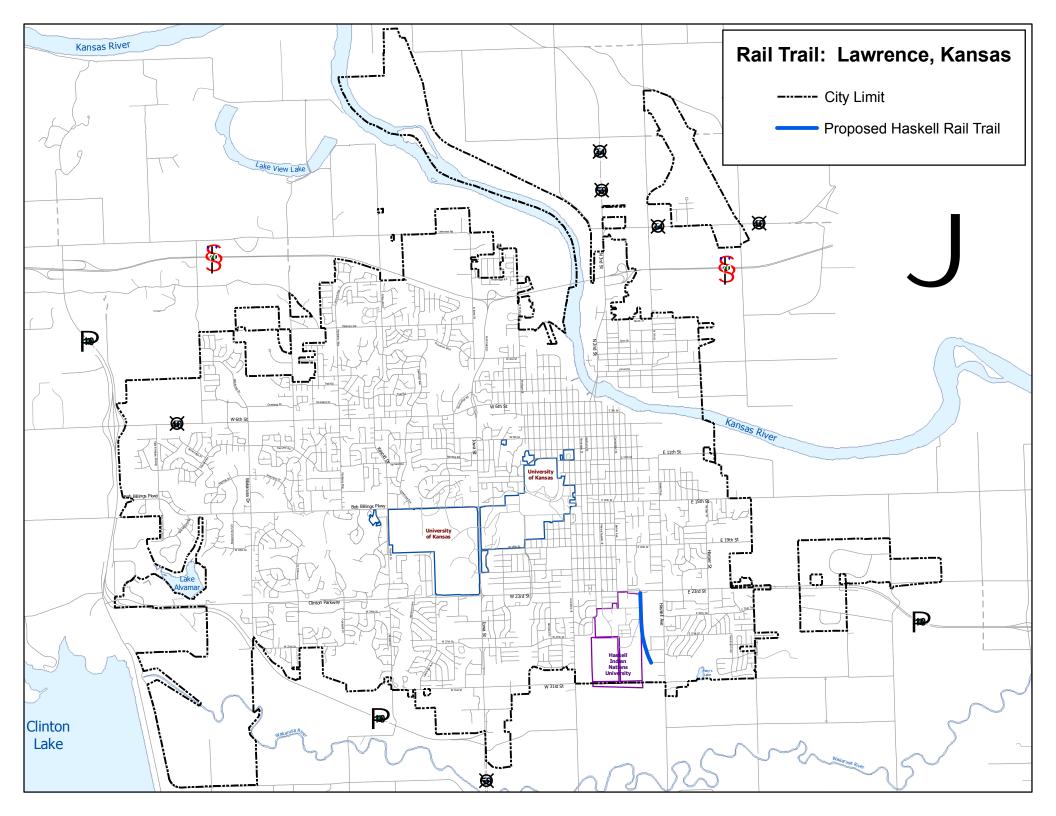
Estimate By: Nicholas Voss Public Works - Project Engineer Date: January 15, 2013

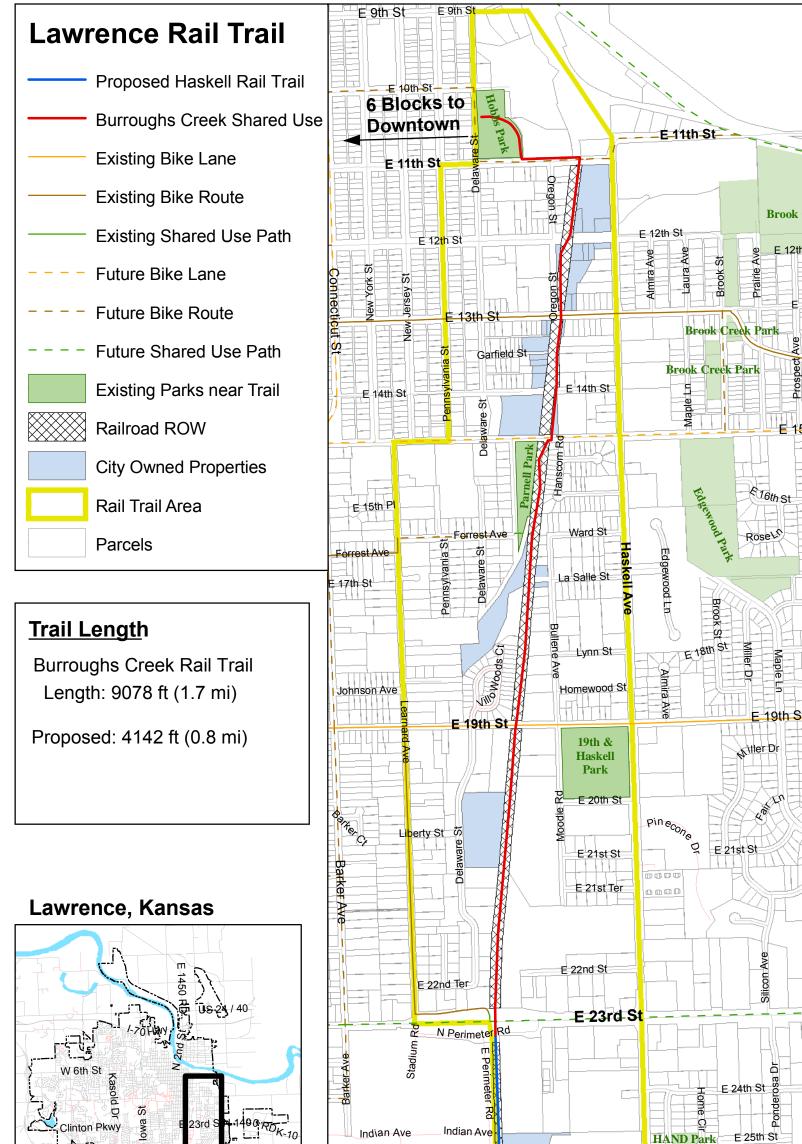
ITEM	QUANTITY	UNIT	UNIT PRICE		AMOUNT
1 Mobilization	1	L.S.	\$ 5,000.00	\$	5,000.00
2 Earthwork	1	L.S.	\$ 5,000.00	\$	5,000.00
3 Concrete Pavement 10' x 6" Conc Shared Use Path	4602	S.Y.	\$ 35.00	\$	161,070.00
4 Seeding & Erosion Control	1	L.S.	\$ 2,000.00	\$	2,000.00
5 Traffic Control	1	L.S.	\$ 2,000.00	\$	2,000.00
Subtotal: S					175,070.00
Construction Engineering 10%					17,507.00
Contingencies 15%					
			-		
			Total:	\$	218,837.50

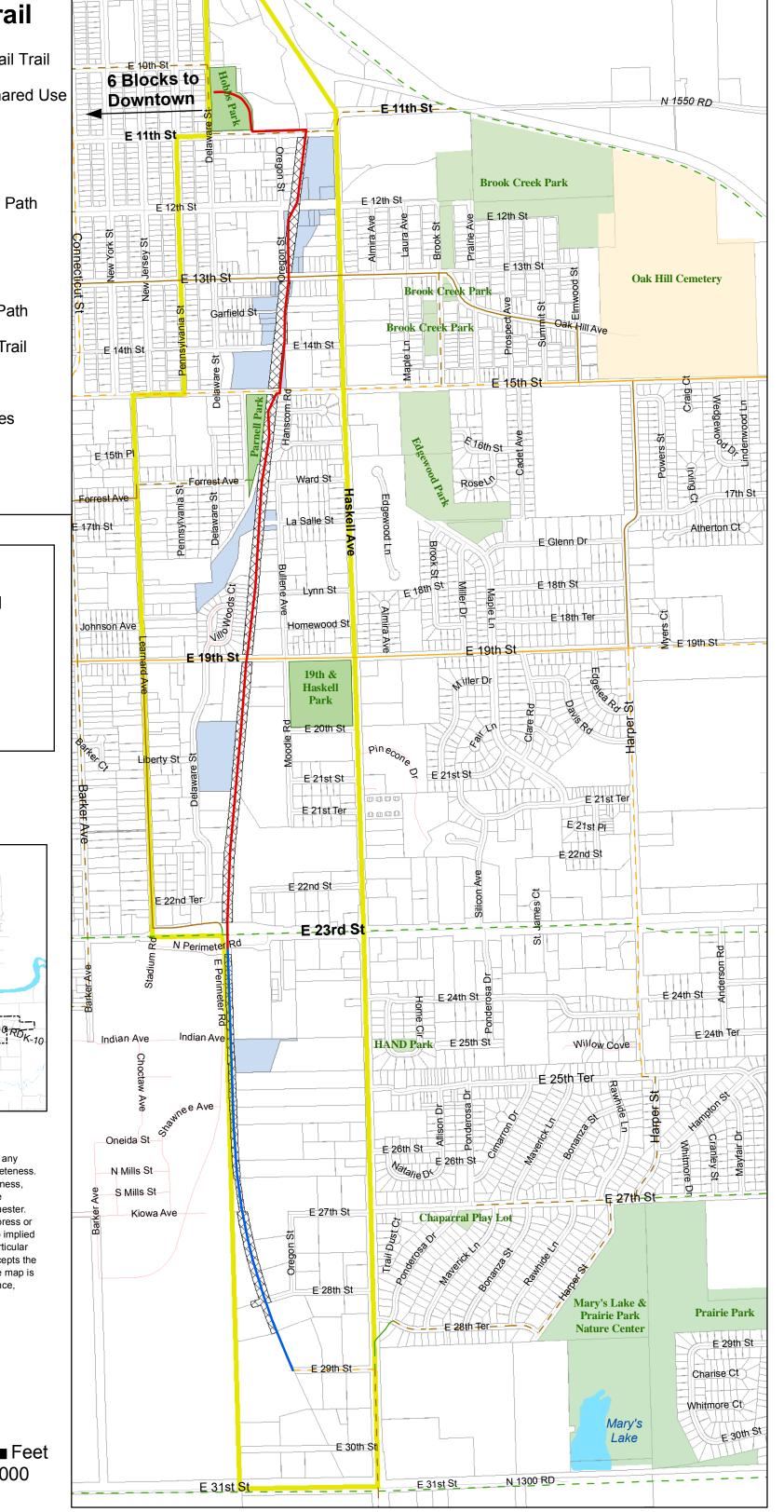


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#### Disclaimer Notice:

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City of Lawrence, Kansas

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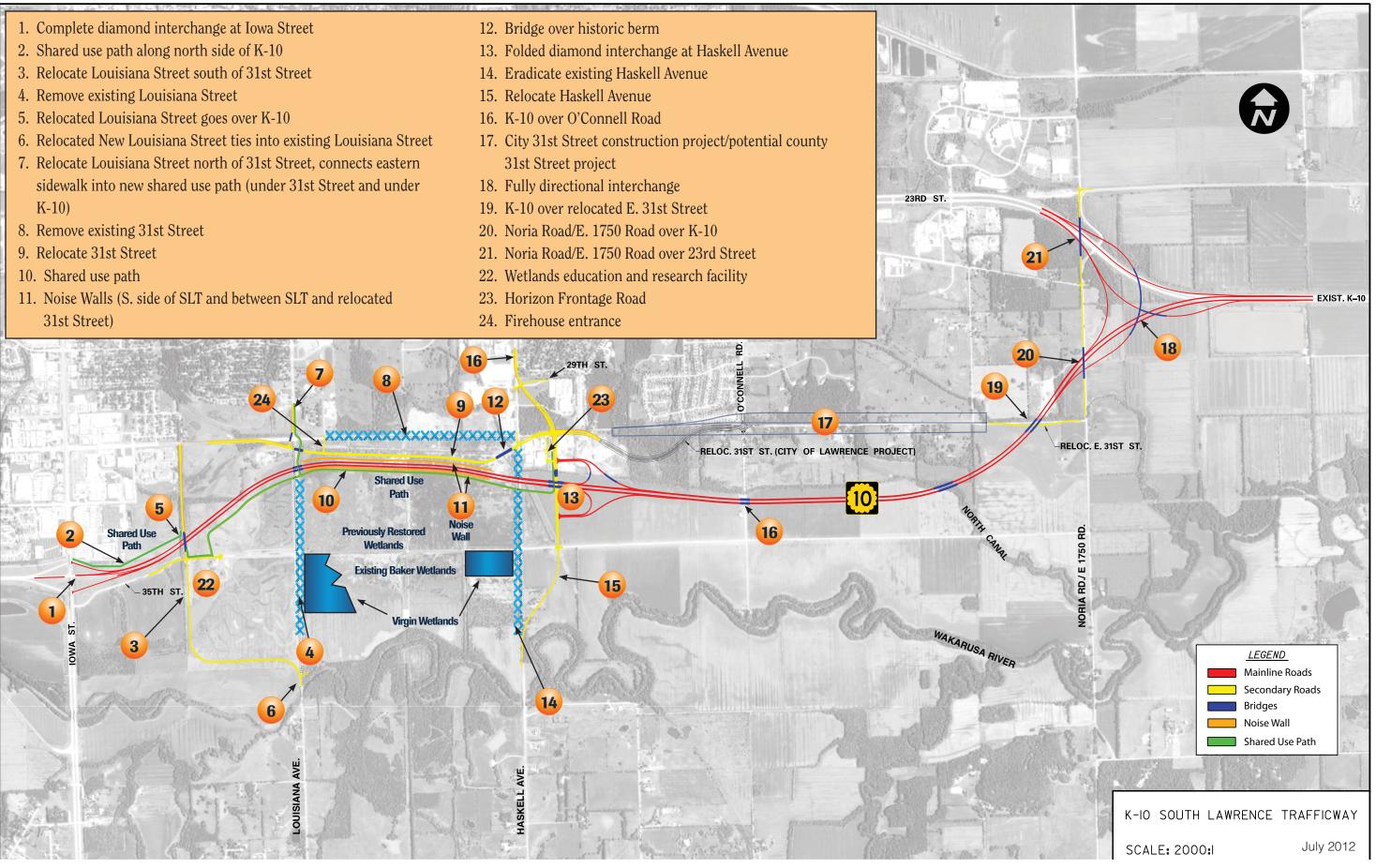
2,000

# South Lawrence Trafficway Map

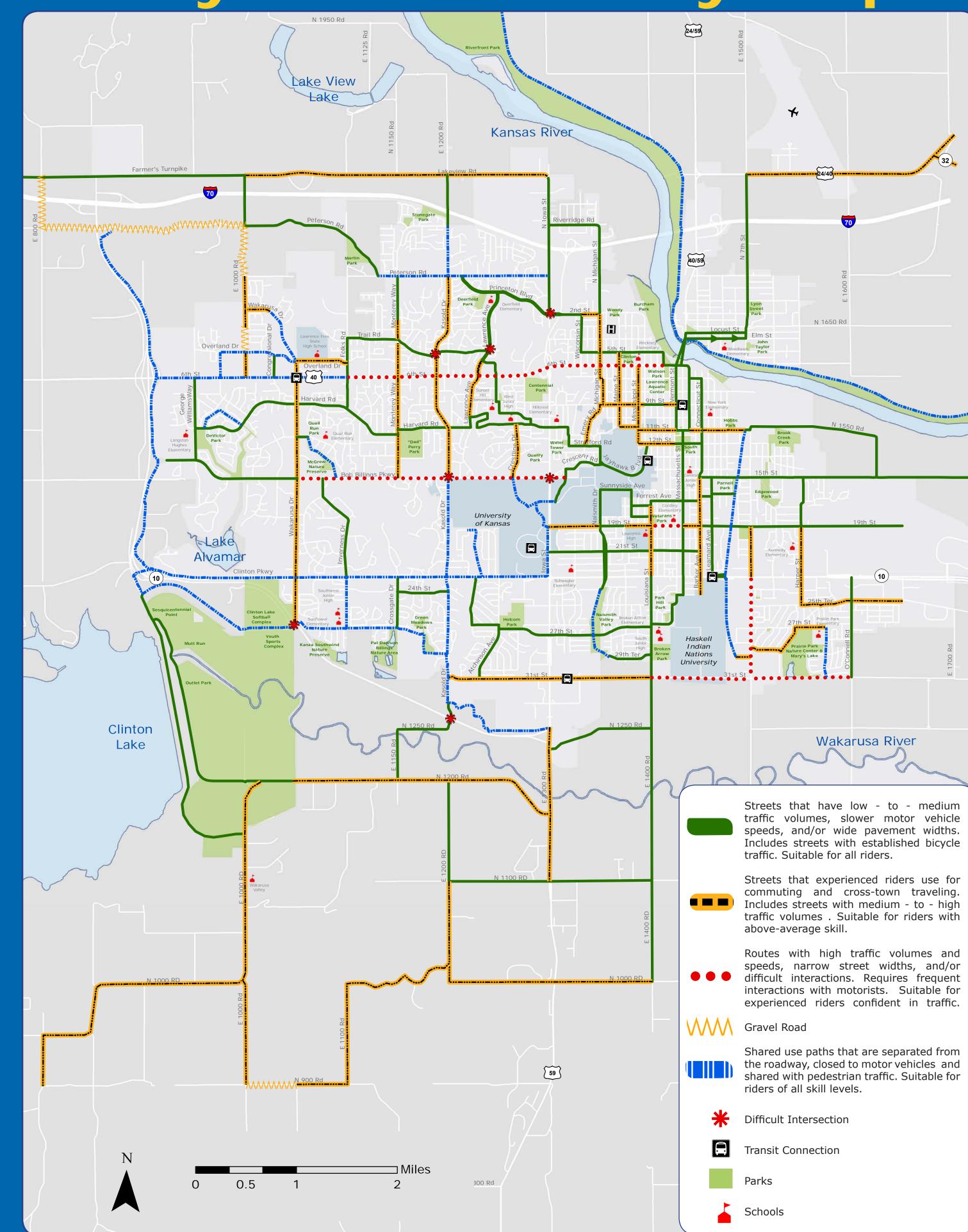
- 6. Relocated New Louisiana Street ties into existing Louisiana Street
- K-10)

- 31st Street)

- **31st Street project**



# **Bicycle Rideability Map**

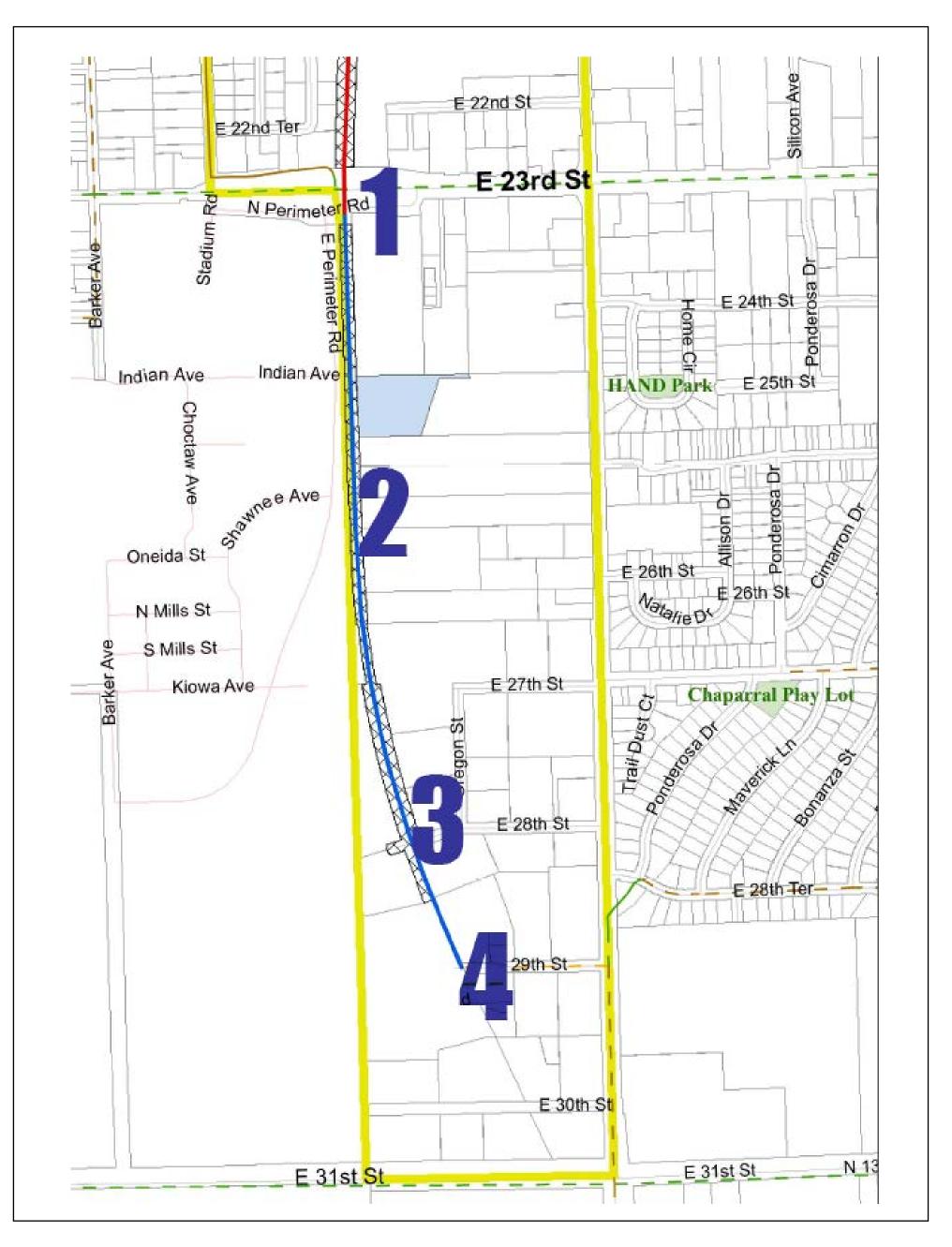




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5. Photos of Existing Condition



# Lawrence Rail Trail

Proposed Haskell Rail Trail Burroughs Creek Shared Use Path

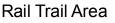
Existing Parks near Trail



Railroad ROW

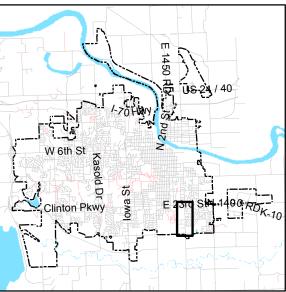


City Owned Properties



Parcels

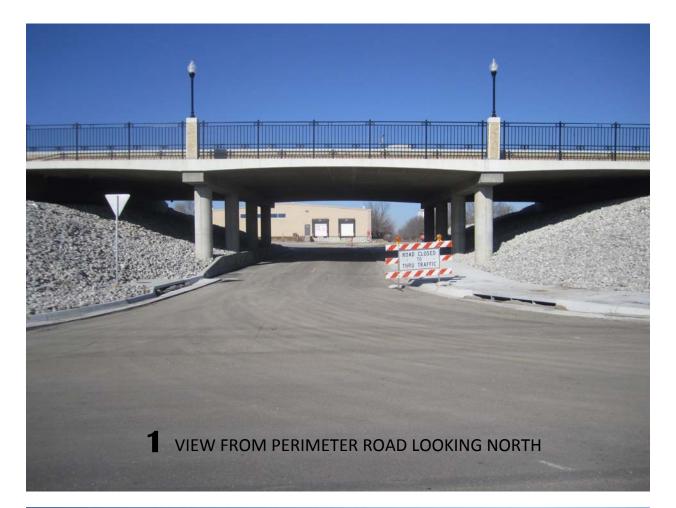
### Lawrence, Kansas



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City of Lawrence, Kansas



















6. Priority Factors



City of Lawrence, Kansas

### SUPPLEMENTAL NARRATIVE

This proposal meets the criteria established for evaluation of TE Applications by Kansas Department of Transportation. This section of the application provides the Supplementary Narrative requested in the instructional memorandum. There is some redundancy in the supplemental narrative to ensure that each factor has been addressed completely. The supplemental narrative covers <u>PCR Priority Factors</u> for all applications, <u>Project Requirements</u> for TE Pedestrian and Bicycle Facilities Category.

### PCR PRIORITY FACTORS FOR ALL APPLICATIONS

The proposed Pedestrian / Bicycle Path demonstrates many of the qualities established by the Kansas Department of Transportation as PRIORITY FACTORS for use in review and the decision making process.

Projects that clearly enhance the quality or usefulness of existing or new transportation facilities or services.

The proposed project would provide an essential link in the overall bikeway network of the City. The proposed improvements would provide a fully accessible north –south link through eastern Lawrence. To the north the trail would connect to Burroughs Creek Rail Trail, leading to downtown Lawrence and the University of Kansas. To the South the Trail would be brought close to Praire Park and Mary's Lake and the South Lawrence Trafficway Trail leading to the south and west of Lawrence. The proposed project increases "access to jobs" south under the existing overpass on K-10 or 23<sup>rd</sup> Street. The proposed project would enhance the quality of existing transportation service by paving an essential link north and south next to existing businesses in Lawrence.

Projects that will be completed with the Transportation Enhancement funds requested and the matching funds pledged by the applicant. The project must not be dependent on other funding or scheduling contingencies. It must represent a complete, identifiable, and useable facility or entity rather than only a component of a larger project.

The City has pledged to fund the required 20% match for this application and engineering. If selected this project would not be dependent on other funding or scheduling contingencies. The proposed project represents a complete, identifiable, and useable facility that would have immediate benefits to the community.

Projects that demonstrate that local funds are available and will be able to meet a timely letting.

As previously stated the City is prepared to meet its local match contribution. We are prepared to move forward with the project in a timely manner.

Projects that benefit a relatively large percentage of community, region, or state population.

This project provides a needed link in our bicycle network. The benefit of this trail will not only provide for short distance trips to work but it will also benefit the long distance recreational riders who travel through Lawrence using our extensive bikeway and Shared Use Path network.



Project which enhance the state's travel and tourism efforts.

- In March of 1991 the Haskell Rail Trail became the first operational rail trail in the state of Kansas. By paving the Haskell Rail Trail the City of Lawrence has the potential to increase tourism and visitations to the nearby Prairie Park Nature Center. The Prairie Park Nature Center includes and 80- acre nature preserve that incorporates wetlands, woodlands and prairie habitats, and Mary's Lake. More information on the Prairie Park Nature Center can be found on its website. www.lawrenceks.org/lprd/ppnc
- If this project is selected by KDOT, these facilities will play a significant part in building on the existing bikeway network. It is our intention to highlight our expansive trail system during "Bicycle Awareness Month" each year. We believe that this project will have a cumulative positive benefit to tourism for the City of Lawrence and the state as whole as Lawrence become known for achievements. In addition, recognition of funding these projects will improve on the momentum for Lawrence to build on its history.

Projects which will contribute to a wide geographic distribution of the Transportation Enhancement funds within the state.

Not applicable.

Projects which are consistent with local comprehensive land use and transportation plans.

• By paving over an existing trail no land use or transportation plans have been altered.

Projects which are supported by other local governments in the vicinity of the project, as well as by the applicant.

Not applicable to this application.

Projects that have the support of clearly recognized public or not-for-profit organizations of national, statewide, or regional scope with expertise in the subject matter of the application.

Not applicable to this application.

The extent to which the project will enhance the quality of experience of users of transportation systems or facilities.

By paving the existing Haskell Rail Trail we will increase the comfort level and safety of the existing trail. In addition it allows the trail to be used by wheel chairs, less experienced bike riders, families with small children, rollerbladders, and skate boards.

The extent to which applicants indicate a commitment to provide extra effort or contribution above and beyond the minimum matching fund requirement.



The City of Lawrence will to continue to build onto its existing network of trails and bike lanes to provide safe routes for bicycles and pedestrians to travel. In addition, the City will provide on-going maintenance to the trail and adjacent park land.

Projects that serve more than one of the eligibility factors and which do so in a logical and coordinated fashion.

The proposed project meets many of the eligibility factors identified above including bike/pedestrian and historical categories. The project has been well thought out and is presented in a logical and well- coordinated fashion, with high support from the community and city governing body.

Preference will be given to eligible projects with complete design plans that are shovel ready.

Due to the nature of this project, the resurfacing of an existing trail, plans could be completed in a short period of time. The project is close to shovel ready.



# Project Requirements : (For TE Pedestrian and Bicycle Facilities Category)

The Kansas Department of Transportation established specific project requirements for the Pedestrian and Bicycle Facilities Category of the TE Program. The proposed provisions for pedestrian and bicyclist educational activities are eligible under this program.

Transportation Enhancement funds for pedestrian and bicycle facilities are not intended to be a substitute for projects which are traditionally funded by local sources such as sidewalk projects, ect.

This is not a traditional sidewalk project and no funding from local sources.

All projects shall begin and end in proximity to a traffic generator such as a residential area, work place, or recreational facility.

The proposed project is within begins with the Burroughs Creek Rail Trail which has 100,000 uses annually. The proposed project runs parallel to an industrial area and The University of Haskell. The trail ends in close to Prairie Park that has 1¾ miles of hard surface trails throughout the park, Mary's Lake and Prairie Park Nature Center, which has over 20,000 visitations annually. This recreation trail will provide a safe corridor from residential to an industrial areas with many work places which provide jobs in the community.

Designed to acceptable guidelines of the American Association of State Highway and Transportation Officials (AASHTO) (Guide for the Development of Bicycle Facilities) and American with Disabilities Act (ADA) (Accessibility Guidelines - ADAAG) and be representative of sound bicycle/pedestrian facility planning principles.

• The proposed project shall meet all AASHTO, ADAAG, State and local guidelines for construction.

Preference will be given to projects that limit the number of conflicts with other modes of transportation.

The proposed project greatly reduce the number of existing conflicts by removing bicycle travel from streets with the use of a Share Use Path facility. The only street crossings that the Haskell Rail Trail will pass are to access local businesses.



Estimated number and brief methodology for calculation of bicyclists/pedestrians using the proposed project.

Below are counts for both bicycle and pedestrians using the nearby Burroughs Creek Rail Trail at 19th Street provided by the transportation planner for the City of Lawrence. If this project is selected, it is realistic that a similar number of bicycles and pedestrians would use the Haskell Rail Trail from 23rd Street to 29th Street.

### Burroughs Creek Rail Trail Usage at 19th Street

	Daily	U onthly	o				
Year	Average Bicyclists and Pedestrians	Average Bicyclists and Pedestrians	Total Bicyclists and Pedestrians	Bicycling Percentage	Bicycling Totals	Walking Percentage	Walking Totals
2011	286	8,703	104,437	49%	51,376	51%	53,061
2012	261	7,933	95,194	48%	45,491	52%	49,703

Linkage to existing transportation network.

To the north the Haskell Rail Trail links to the Burroughs Creek Rail Trail. To the south the Haskell Rail Trail we be brought close to the proposed South Lawrence Trafficway Trail.

User accessibility to the proposed network.

The proposed project will meet all Accessibility Guidelines - ADAAG.

Safety level of proposed project: facility dimensions and signing.

The path will be changed from a limestone screening surface trail to a 10' wide Shared Use Path increasing the riding surface and safety of the trail. Appropriate singing will be placed at street crossings in compliance with the MUTCD.

Continuity of proposed project: treatment of intersections with collector streets, arterials, and state highways.

 No interruptions will be made to any roadways in the City of Lawrence. The Haskell Rail Trail will be closed for the duration of the project.

Security level of proposed project.

 All appropriate measures will be taken to ensure the safety of the public that would travel the Haskell Rail Trail.



Connections with other bicycle/pedestrian paths.

A direct connection will be made to the north to the Burroughs Creek Rail Trail. To the south the project will be brought close to the South Lawrence Trafficway Trail. The South Lawrence Trafficway Trail also makes connections to existing trails on the south and west portions of the City of Lawrence, including shared use paths along Clinton Parkway, 6th Street, and Kasold Drive.

Estimated benefits of proposed project.

If accepted, this project would provide an essential link to the existing bicycle routes in the City of Lawrence. This increases the safety for both pedestrians and bicycle riders. It will also provide a link between the Burroughs Creek Trail and the South Lawrence Trafficway trail.

Community awareness and support (letters of support).

Letters of support are provided by the Bicycle Advisory Committee, the City of Lawrence City Commission, and the Lawrence/Douglas-County Metropolitan Planning Organization.

Environmental quality and tourist/recreational benefits of proposed projects.

The proposed project will help to provide access to Prairie Park Nature Center and the Wakarusa Wetlands for bicycle riders using the Haskell Rail Trail.



# 7. FYgci `hļcb

A resolution or letter of support from the commission will go here after the final reveiw



8. @YHMfgcZGiddcfh

January 15, 2013

Lawrence-Douglas County Bicycle Advisory Committee (BAC) City Hall, 6 East 6th Street Lawrence, Kansas 66044-0708



Kansas Department of Transportation Eisenhower State Office Building Bureau of Transportation Planning 700 SW Harrison Street, 2nd Floor Tower Topeka, KS 66603-3754

# Re: 2013 Transportation Enhancement Program Application for the Rail Trail from 23<sup>rd</sup> Street to 29<sup>th</sup> Street, Pedestrian and Bicycle Facilities Category

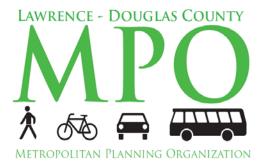
The Lawrence-Douglas County Bicycle Advisory Committee (BAC) would like to express its support to the Kansas Department of Transportation for the 2013 Transportation Enhancement (TE) Program grant application being submitted by the City of Lawrence to build the Rail Trail from 23<sup>rd</sup> Street to 29<sup>th</sup> Street.

The BAC understands the importance of multimodal transportation in Lawrence and throughout Northeast Kansas. The BAC strives to support local government commitments to create multimodal infrastructure and particularly the development of facilities for bicyclists and pedestrians. Many different types of people in our region use our area's bicycle and pedestrian facilities, and they desire to have a transportation system that is supportive of healthy and active transportation choices. The BAC supports efforts to create a complete transportation system for Douglas County, and we believe that this proposed TE project will help in that effort. The BAC hopes that this project will be a fundamental first step of the local commitment to connecting the existing Burroughs Creek Trail, the planned South Lawrence Trafficway Shared Use Path and Prairie Park.

The BAC strongly supports this application for funding, and we appreciate your thoughtful review of this application. We look forward to hearing from you soon with the good news that this application has been approved.

Sincerely,

Lisa Hallberg, BAC Chair 2516 Cimarron Drive Lawrence, Kansas 66046



### RESOLUTION

WHEREAS, the Lawrence-Douglas County Metropolitan Planning Organization (L-DC MPO) is designated as the Metropolitan Planning Organization (MPO) to carry out the Continuing, Cooperative and Comprehensive planning program (3C Process), including regional planning for a multi-modal transportation system that is coordinated with local comprehensive planning (land use, economic development, etc.) efforts; and

WHEREAS, the L-DC MPO acting as the MPO for the Lawrence-Douglas County Region is responsible for the creation, maintenance, and implementation of a Metropolitan Transportation Plan (MTP) that covers all of Douglas County including all four incorporated cities in the county (Baldwin City, Eudora, Lawrence, Lecompton); and,

WHEREAS, the L-DC MPO in its capacity as the MPO is responsible for programming transportation improvement funds in the regional Transportation Improvement Program (TIP) and has a role in assisting the local governments of the region with securing funds to make transportation system improvements that are consistent with the region's Metropolitan Transportation Plan; and,

WHEREAS, the following bicycle-pedestrian facility project is located in Lawrence near regionally significant routes and is designed to implement the bikeway planning that has taken place in Lawrence over the last decade and more; and,

WHEREAS, this project is an important link in the region's growing network of bikeway facilities and an important part of the region's multi-modal transportation system; and,

WHEAREAS, this project represents the next logical step in the building of a major bikeway corridor in Lawrence.

NOW, THEREFORE BE IT RESOLVED, that the Lawrence-Douglas County Metropolitan Planning Organization strongly supports and endorses the application made by the City of Lawrence for Federal Transportation Enhancement (TE) funding administered by the Kansas Department of Transportation (KDOT) for the project described below and agrees to add this project to the L-DC MPO Transportation Improvement Program (TIP) if funding for this project is awarded.

### Burroughs Creek Rail Trail - 23rd Street to 29th Street (Bike/Pedestrian Category)

Project Location - the proposed section of the trail to be rebuilt and upgraded is from 23rd Street to 29th Street.

Project Description - improvement of surface from existing aggregate trail to 10' wide concrete shared use path. This project would extend the existing Burroughs Creek Rail Trail project constructed in 2009 from 11th Street to the 23rd Street Bridge by 4,200 feet. This would increase the connectivity of the paved trail system in Lawrence by bringing the Burroughs Creek Trail closer to the Prairie Park Nature Trail. This will also provide a connection to the future South Lawrence Trafficway (SLT) corridor shared use path being constructed by KDOT.

Total TE Project Cost \$170,000 TE Funds Requested \$136,000 City Match \$34,000 (20%) of TE project

APPROVED by the Lawrence-Douglas County Metropolitan Planning Organization at their meeting on January 17, 2013.

Bruce Liese, L-DC MPO Chairperson

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Scott McCullough, L-DC MPO Secretary