

NOTICE OF STUDY SESSION

OF THE

UNIVERSITY CITY CITY COUNCIL

Public Notice is hereby given that a Study Session of the City Council of University City will be held on **Tuesday, May 29, 2018, at 5:30 p.m.**, at City Hall, fifth floor, 6801 Delmar, University City, MO.

AGENDA

Requested by the City Manager

1. Meeting called to order
2. Any changes to the upcoming meeting agenda
- 3. Presentations:** Great Rivers Greenway
4. Adjournment

This meeting is OPEN to the public.

Dated this 25th day of May, 2018

LaRette Reese
City Clerk



Great Rivers Greenway

LIVE LIFE OUTSIDE



| LEGACY FOR THE FUTURE

clean water • safe parks • community trails



| CITIZEN'S VISION FOR THE REGION:

a dynamic network of greenways
connecting our communities
strengthening the social,
economic and environmental
well-being of our region.





**1,200
square
miles**

- and -

**2
million
citizens**



MEET US: **GREAT RIVERS GREENWAY**

Regional sales-tax funded
agency connecting the region
with greenways

Partner in the CityArchRiver/
Gateway Arch Park
transformation

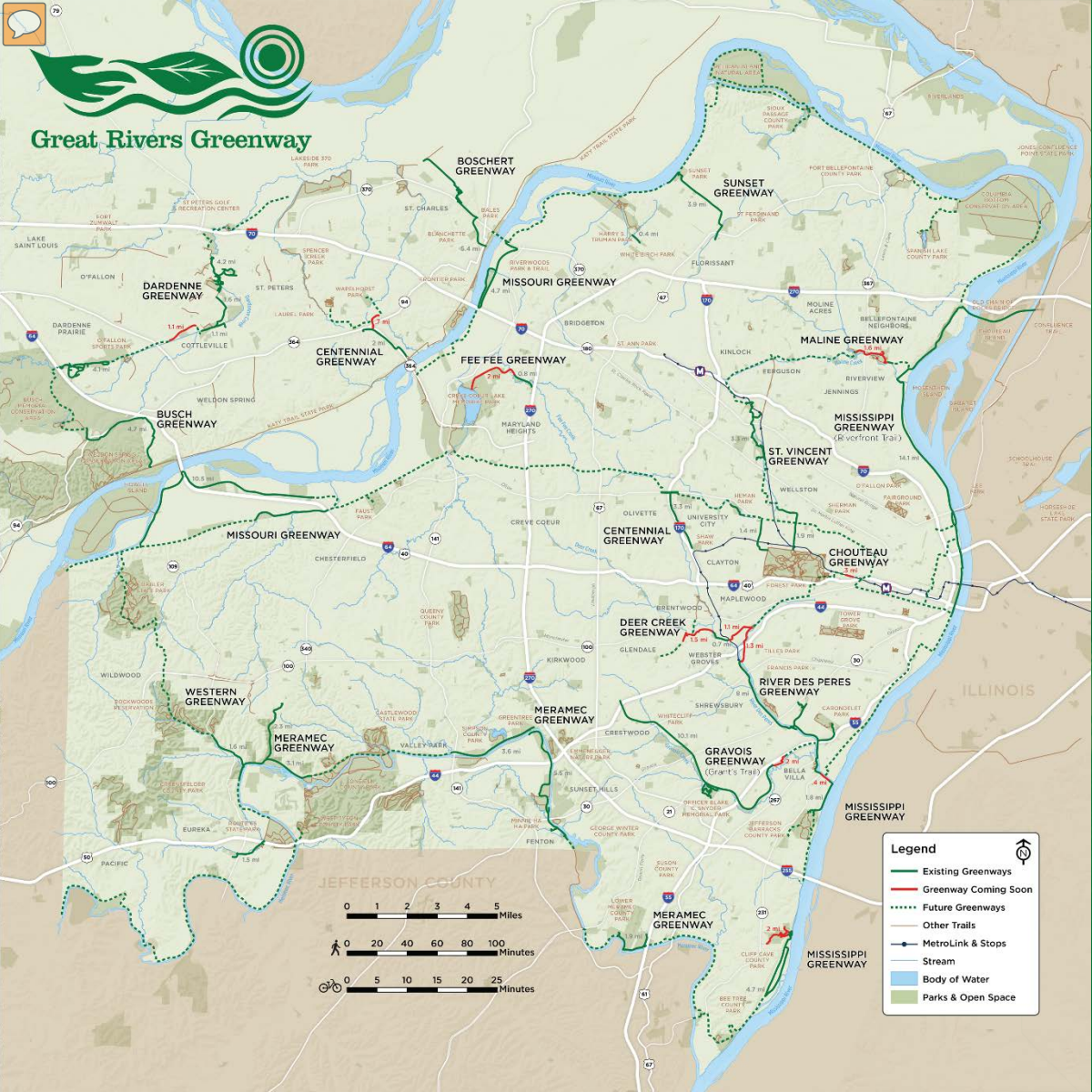
ST. LOUIS CITY

ST. LOUIS COUNTY

ST. CHARLES COUNTY



Great Rivers Greenway



16 GREENWAYS

54 PROJECTS

250+ PARTNERS

113 MILES OF GREENWAY

2 MILLION VISITS/YEAR

38K ACRES PUBLIC LANDS

93¢ RETURNED TO YOU



Great Rivers Greenway



GREENWAYS BENEFIT OUR PERSONAL WELL-BEING IMMEDIATELY





THE GREENWAY NETWORK STRENGTHENS OUR CIVIC WELL-BEING NOW AND FOR THE FUTURE



MEET THE PROJECT

Delmar Blvd and McKnight/I-170 Intersection Improvements



CENTENNIAL GREENWAY

PROJECT GOALS

- Create a safe and comfortable experience
- Maintain or enhance traffic operations at the intersection
- Provide a visually appealing connection for the greenway through the interchange

PROJECT BENEFITS

SAFETY

This greenway is an excellent example of providing a safe way for residents to get around and minimizing points of conflict between vehicles, bikes and pedestrians

ECONOMIC DEVELOPMENT

It encourages economic vitality connecting business districts between communities in the greenway area which enhances economic opportunity for all. The Vanguard Apartments were constructed right after the construction of the greenway.

HEALTH

Crown Center residents use it for exercise and community building to countless neighbors getting groceries.

PROJECT BENEFITS

RECREATION

This greenway provides approximately 3 miles between Shaw Park and Olive Blvd and its business district, with a great connection on Old Bonhomme Rd.

TRANSPORTATION ALTERNATIVE

Greenway users can commute between the four (4) municipalities. Some commuters are Washington University and Monsanto employees.

STORM WATER MANAGEMENT

Best management practices required by MSD were installed as part of this project, and University City Public Works and Parks Department excels in the maintenance of these facilities.

PROJECT TIMELINE

- 2006 – Centennial Greenway Plan identified Metro Corridor just east of 170 from Olive Blvd to Shaw Park for a greenway
- 2010 – Greenway Design was completed
- 2010 - University City executed Operations and Maintenance Agreement (O&M).
- 2012 – GRG and MoDOT execute a License Agreement to allow construction in the Delmar Blvd/McKnight and I-170 intersection

PROJECT TIMELINE

- 2013 – Greenway Construction was completed
- 2016 – Initiative to evaluate intersection due safety concerns expressed by Greenway users
- 2017 – GRG contract with Alta Planning and Design to address safety concerns
- Spring 2018 – Final Design and **Letter Agreement Regarding Cooperation Agreement for the Construction and Maintenance of the Centennial Greenway** to be signed by University City.
- Summer/fall 2018 – Anticipated construction

PARTNERS

- Partners in project area:
 - City of University City
 - City of Clayton
 - City of Olivette
 - City of Ladue
- All four (4) municipalities agreed to maintain the Greenway, while GRG invested in the construction of the project.

WHAT WE HEARD

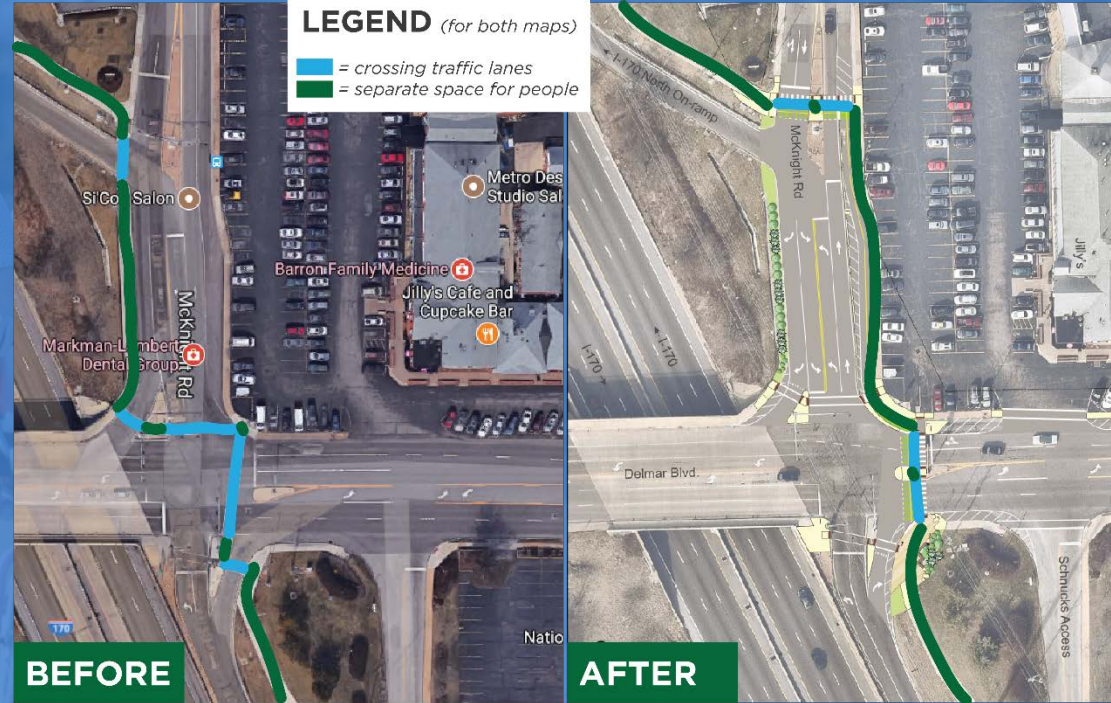
- Nearly 100 survey responses in summer 2017
 - 74% bike the intersection
 - 47% drive the intersection
 - 45% walk the intersection
- Current intersection elements (cross markings, crossing distances, number of crossing segments, turning vehicles, signage, length of time to cross, frequency of pedestrian crossing signal, and path width) are not highly favored
- Striped crossings, refuge medians, and protected intersections are most requested improvements

QUOTES FROM ENGAGEMENT

- “I really appreciate not having to cross in front of the highway entrance onto NB 1-70.”
- “Presently that intersection is a mess for crossing Delmar and McKnight while using the path. It’s unfathomable to me how it was even conceived. ANYTHING that you do will make it better.”
- “My wife & I (in our 60’s) have ridden bikes on this greenway many times. Many times we turned around at Delmar to avoid crossing it. When we did choose to cross we always used your proposed route, not the current route. Crossing that NB 170 ramp is the worst part of that intersection.”
- “I’ve almost been hit on a bike there a few times. It has traffic coming at you from several directions. Right-turn-on-red drivers create hazards there. I now avoid it all together.”

PROPOSED CHANGES

- Developed with project partners and engineers based on feedback we received
- No impact to vehicle traffic
- Reduce roadway crossings from 5 to 2
- Interstate on and off ramps/greenway intersections eliminated



PROPOSED CHANGES

- Narrow turn lanes
- Signals and painted crosswalks
- Median refuges
- Larger plaza
- Fully ADA accessible
- Curb buffer along McKnight
- New navigation signage



PROTECTED
MIXING ZONE



PAINTED
WALK
CROSSING



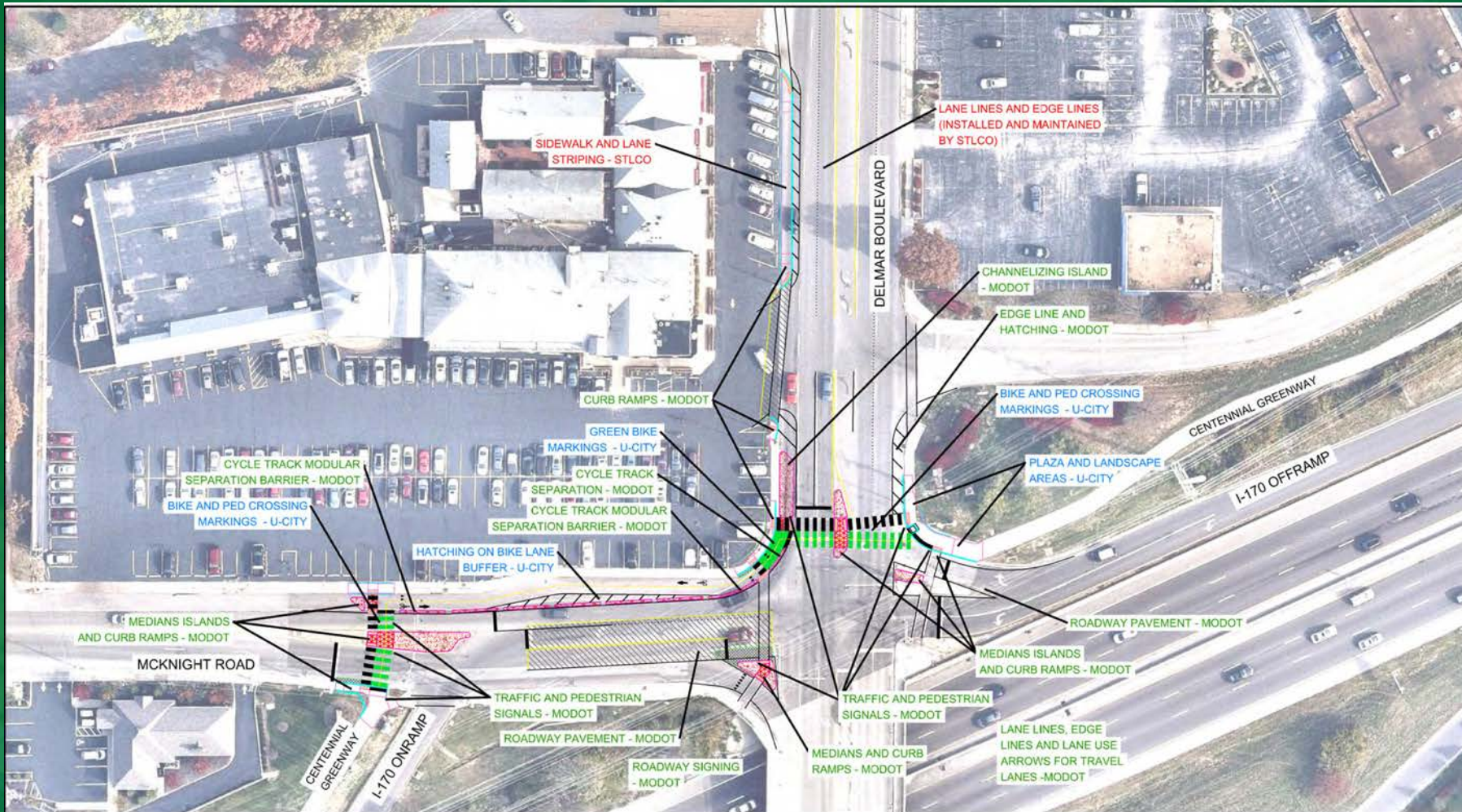
PAINTED
BIKE
CROSSING



REFUGE ISLAND



BUFFERED GREENWAY



SCALE



LEGEND AND ABBREVIATIONS

U-CITY = UNIVERSITY CITY
 MODOT = MISSOURI DEPT OF TRANSPORTATION
 STLCO = ST LOUIS COUNTY



GREAT RIVERS
 GREENWAY DISTRICT
 CENTENNIAL GREENWAY
 TRAIL LICENSE AGREEMENT



DATE:
 APRIL 2018
 FIGURE NUMBER:
 EXHIBIT A2



LIVE LIFE OUTSIDE

May 3, 2018

Mr. Sinan Alpaslan P.E.
City of University City
6801 Delmar Blvd
University City, MO 63130

Re: Centennial Greenway - Delmar Blvd / McKnight Rd & I-170 Intersection Improvements Project

Dear Mr. Alpaslan,

As you may know, the Centennial Greenway Plan of 2006 identified the Metro Corridor just east of I-170 from Olive Blvd in University City to Shaw Park in Clayton as an excellent opportunity for a greenway trail. The trail was completed in spring 2013 and has been in operation for 5 years and is very popular with residents. The construction was funded completely by the Great Rivers Greenway District (GRG).

While the greenway trail follows the Metro right of way for most of its length, the intersection of McKnight Road and Delmar Blvd with the northbound I-170 entrance ramp is very challenging. The trail crosses Delmar Blvd and McKnight Road, where it becomes a wide sidewalk and then crosses the northbound I-170 on-ramp. There are currently 11 conflict points in the short section of trail at this intersection which presents a safety concern for bicyclists and pedestrians.

In 2016 and 2017, GRG allocated funds to get an engineering consultant to review the situation and work with MoDOT, St. Louis County Dept. of Transportation and the City of University City.

ALTA Planning + Design was selected due to their vast national experience working on greenways and street crossings and the implementation of protected intersections which have been constructed in several US cities. Joining the ALTA team is EFK Moen (WBE) for survey work.



LIVE LIFE OUTSIDE

The goal for this project is to identify a solution that could help direct trail users as well as provide better safety signage for all roadway users. The reconfiguration of the trail crossing involved modifying the existing signals, new sidewalk improvements, new pavement markings and other corrective measures to improve the overall safety and reduce the number of conflict points between trail users and motorized traffic. Over the past year, coordination with MoDOT, St. Louis County Department of Transportation and University City as well as public engagement and discussions with adjacent property owners have taken place.

The first draft of the Final plans have been shared with all permitting agencies, and permits will be issued shortly. It is GRG's intention to issue public bids for this construction work in 2018 and will be fully funded with GRG funds.

The Operations and Maintenance Agreement signed between GRG and the cities of Olivette and University City, back in April of 2012 outlined the greenway construction responsibility to GRG and all general greenway maintenance responsibilities to both Cities.

Because we are proposing to change the configuration and layout of the greenway to the other side of McKnight Rd, and new pavement markings will be added as an important safety measure, we would like to request that a *Letter of Agreement* (attached) be signed by the City, to reflect these new modifications. In a similar format, GRG will sign an amendment for the License Agreement previously signed with MoDOT for the original greenway construction, to authorize these modifications within the MoDOT Right-of-Way.

Additionally, the proposed green paint for the bicycle crossings are an added visual safety benefit for the project. MoDOT has requested a letter from the City to the Federal Highway Administration (FHWA) requesting permission to use the paint color as an interim approval while they approve the official use of this type of pavement marking. Other cities such as Wildwood and St. Louis have successfully secured the use of the green paint through a letter to FHWA.



LIVE LIFE OUTSIDE

Please let me know if you have any questions or require further information. You can contact me at agutierrez@grgstl.org or 314.932.4907.

Sincerely,

Angelica Gutierrez
Project Manager
Great Rivers Greenway

Attachments:

- Letter Agreement Regarding Cooperation Agreement for the Construction and Maintenance of the Centennial Greenway
- Letter to Federal Highway Administration for interim approval of bicycle green pavement markings.

City of University City

May ____, 2018

Re: Letter Agreement Regarding Cooperation Agreement for the Construction and Maintenance of the Centennial Greenway

Dear _____:

As you are aware, the Metropolitan Park and Recreation District d/b/a the Great Rivers Greenway District (the "District"), the City of University City (the "City"), and the City of Olivette ("Olivette") previously entered into that certain Cooperation Agreement for the Construction and Maintenance of the Centennial Greenway, dated April 22, 2010 (the "Cooperation Agreement"). The Cooperation Agreement set forth the responsibilities of the parties thereto with respect to the construction, operation, and maintenance of a trail on land owned by the City and Olivette running parallel to Interstate 170 between Shaw Park in the City of Clayton north through the City of Ladue, continuing north through the City and to Olive Boulevard in Olivette (the "Greenway").

The District previously completed construction of the Greenway and now desires to construct certain pedestrian and bicycle improvements on the Greenway at the intersection of Delmar Boulevard and McKnight Road (the "Project"). Accordingly, the District and the City mutually desire to set forth and affirm the continuing obligations of the parties, pursuant to the Cooperation Agreement, with respect to the Project.

Pursuant to its existing obligations under the Cooperation Agreement, the District acknowledges and agrees that, with respect to the Project, it will engineer and construct, at the District's cost, trail, sidewalk and intersection improvements to the Greenway at the intersection of Delmar Boulevard and McKnight Road as depicted in Exhibit A attached hereto, pending final approval of construction documents by the City and the District. The District further acknowledges and agrees that it will repair and replace all "Trail Signage" as outlined in Exhibit A.

Pursuant to its existing obligations under the Cooperation Agreement, the City acknowledges and agrees that, following the District's construction of the Project, it will continue to assume the full and total financial and administrative responsibility for ordinary operations and maintenance of that portion of the Greenway defined as the "U. City Section" in the Cooperation Agreement. The City acknowledges and agrees that the "U. City Section" will specifically include the following improvements related to the Project:

- i. Painted Crossings
- ii. Pavement Markings
- iii. Plaza/Landscaping and Decorative Plantings

The City acknowledges and agrees that it will utilize the District's Level of Care Guidelines (2017) in operating and maintaining the above improvements and will operate and maintain all other elements of the "U. City Section" of the Greenway to a standard of care consistent with current industry practices. The City further acknowledges and agrees that it will conduct regular maintenance and graffiti removal of all "Trail Signage."

Sincerely,

Susan Trautman
Chief Executive Officer
Metropolitan Park and Recreation District
d/b/a the Great Rivers Greenway District

Acknowledged and agreed:

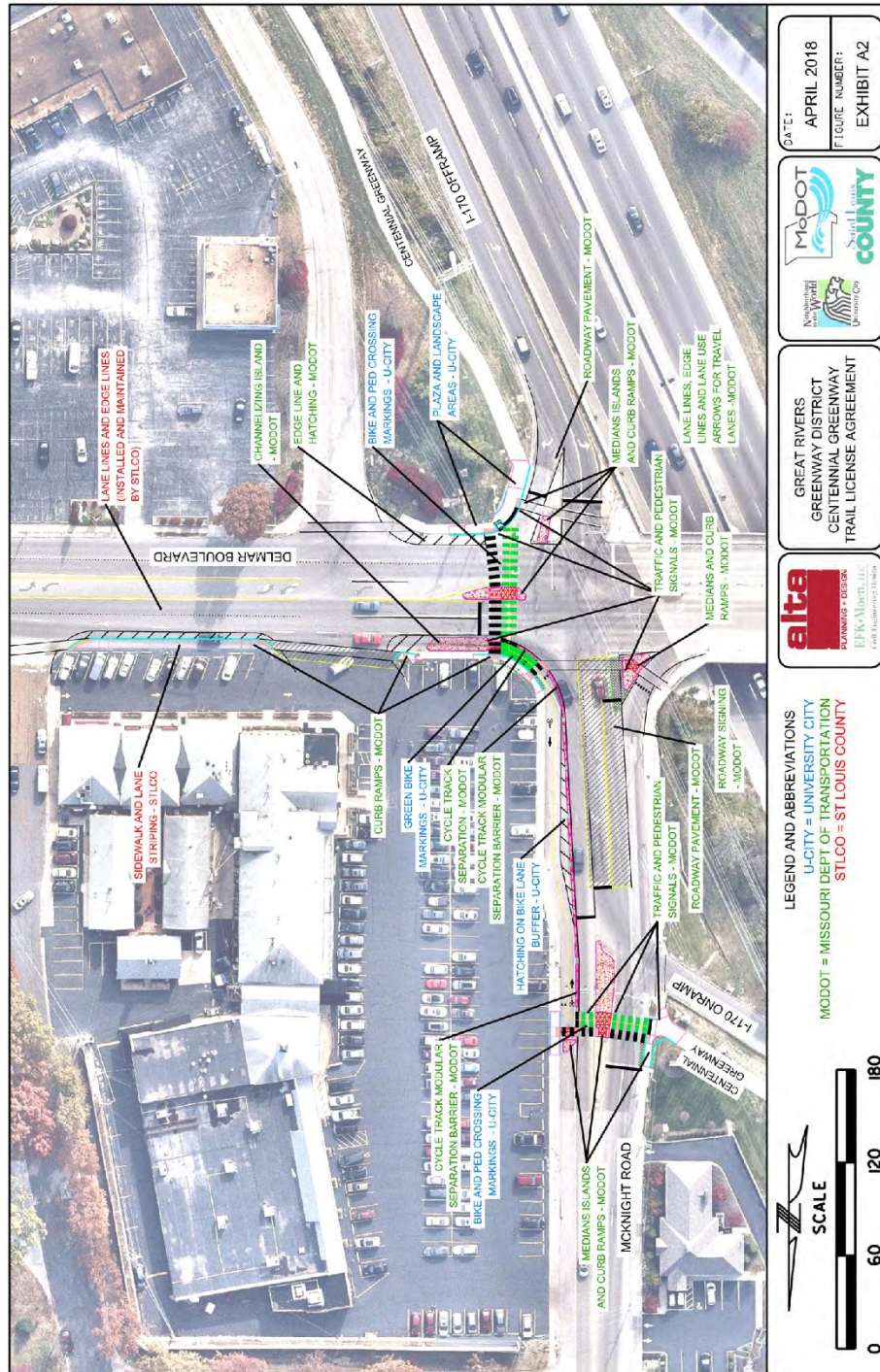
City of University City

By: _____
Name: _____
Title: _____
Date: _____

Cc: _____

City of Olivette

EXHIBIT A



(City Letterhead)

May __, 2018

Jeffery Lindley
Associate Administrator for Operations
Office of Transportation Operations, HOTO1
Federal Highway Administration
1200 New Jersey Avenue, SE
Washington, DC 20590

RE: MUTCD - Interim Approval for Optional Use of Green Colored
Pavement Markings for Bike Lanes (IA-14)

Dear Mr. Lindley,

On behalf of the University City, Missouri, we are requesting interim approval for the use of green colored pavement in marking bicycle lanes and in extensions of bicycle lanes and protected bike lanes through intersections, as well as in other traffic conflict areas in the University City, Missouri.

If approved, all installations of colored bike lanes in the University City will follow the Conditions of Interim Approval as outlined in FHWA's notice for Interim Approval dated April 15, 2011. The City of University City will maintain a record of all locations in the City where the colored bike lane markings are used and installed as a result of this interim approval. The initial installation of green bike lane marking will be implemented on two-way separated bike lane crossings of McKnight Road and Delmar Boulevard in St. Louis County, Missouri that will connect a trail segment in an urbanized intersection.

We appreciate you positive response on this matter.

Sincerely,

Name
Title
University City, Missouri

**COOPERATION AGREEMENT FOR THE
CONSTRUCTION AND MAINTENANCE OF THE CENTENNIAL GREENWAY**

This AGREEMENT is made and entered into this 22nd day of April, 2010 by and between Metropolitan Park and Recreation District, d/b/a The Great Rivers Greenway District ("GRG") and the City of University City ("U. City") and the City of Olivette ("Olivette").

WHEREAS, Section 67.1709 RSMo authorizes GRG to "contract with other parks and recreation systems" within its boundaries, and U.City and Olivette own and maintain such park systems; and,

WHEREAS, representatives of the U. City and Olivette and members of the U. City and Olivette staff have served as Technical Advisory Committee members for the Centennial Greenway planning process; and,

WHEREAS, the Centennial Greenway project advances the long-range goal of a continuous trail connecting Forest Park to Creve Coeur Park, and the short-range SEED project of a trail along the abandoned railroad corridor owned by Metro that runs parallel to Interstate 170 from Shaw Park in the City of Clayton north through the City of Ladue, continuing north through the City of University City and continuing north to Olive Blvd in the City of Olivette; and

WHEREAS, GRG, U. City and Olivette recognize that approximately 1,100 linear feet of the facility will be located partially in both Cities as this segment of the planned facility is split by the municipal boundary of both Cities; and

WHEREAS, U. City and Olivette have determined that the proposed trails are consistent with the relevant plans of U. City and Olivette; and,

WHEREAS, GRG has adopted the Regional Greenway Plan and has determined that the proposed trails are consistent with its mission and will be a major benefit to the residents of Olivette and University City and the St. Louis region.

NOW THEREFORE, the parties hereto agree as follows:

1. GRG Obligations. GRG agrees to engineer and construct a trail, at GRG's cost, along the abandoned railroad corridor owned by Metro that runs parallel to Interstate 170 from Shaw Park in the City of Clayton north through the City of Ladue, continuing north through the City of University City and continuing north to Olive Blvd in the City of Olivette.

2. U. City Obligations. After construction by GRG, U. City:

(a) shall assume the full and total financial and administrative responsibility for ordinary operations and maintenance of that portion of the trail beginning at the city limit with Ladue and going north to Olive Blvd.(the "U. City Section") to allow safe and convenient public access, enjoyment, and use, and

(b) shall be responsible for any capital improvements, as reasonably needed or desired and as may be approved by the University City Council, on that portion of the U. City Section that lies south of the existing arch drainage structure identified on the attached exhibit, which is approximately 1,100 linear feet south of Olive Blvd.

It is understood and agreed that U. City may close the U. City Section when U. City deems it necessary for normal maintenance activities or for public safety.

3. Olivette Obligations.

(a.) After construction by GRG, Olivette shall be responsible for any capital improvements, as reasonably needed or desired and as may be approved by the Olivette City Council, on that portion of the U. City section that lies north of the existing arch drainage structure identified on the attached exhibit, which is approximately 1,100 linear feet south of Olive Blvd.

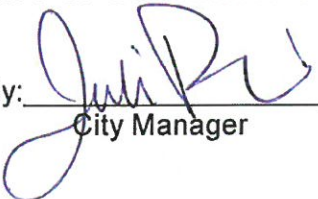
(b.) If the Metrolink light rail system is extended in the area after construction of the trail, Olivette shall not be obligated for any trail relocation expenses.

4. Time of Completion. The intention of GRG is to complete the project described in this Agreement by December 1, 2010. If GRG is unable to complete the project by December 1, 2010, GRG shall begin on that date submitting monthly written progress reports to Olivette & U. City.

5. Publicity. Olivette and U. City agree to include in any press releases or other publicity about the projects described in this COOPERATION AGREEMENT the words "Funding for this project was provided by the Great Rivers Greenway District."

WHEREFORE, the parties have set their hands the day and date first above written.

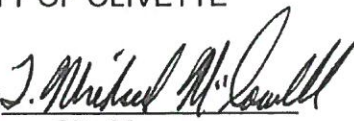
CITY OF UNIVERSITY CITY

By: 
City Manager

GREAT RIVERS
GREENWAY DISTRICT

By: 
Executive Director

CITY OF OLIVETTE

By: 
City Manager

Approved By the
Olivette City Council
On March 23, 2010

