

City of Fayetteville Staff Review Form

2018-0174

Legistar File ID

4/3/2018

City Council Meeting Date - Agenda Item Only
N/A for Non-Agenda Item

Matt Mihalevich

3/14/2018

DEVELOPMENT SERVICES (620)

Submitted By

Submitted Date

Division / Department

Action Recommendation:

Staff recommends approval of a resolution expressing the willingness to apply for federal-aid funds and allow staff to submit an application of an 80% federal 20% local matching grant through the Arkansas Department of Transportation Recreational Trails Program for an award of up to \$88,000 to be used for improvements of the Fulbright Expressway Tunnel section of the Razorback Greenway.

Budget Impact:

4470.800.8830-5420.00

Sales Tax Cap Imp - Trail Improvements

Account Number

Fund

02016.1301

Trail Maintenance

Project Number

Project Title

Budgeted Item? Yes

Current Budget \$ 151,279.00

Funds Obligated \$ 13,625.00

Current Balance \$ 137,654.00

Does item have a cost? Yes

Item Cost \$ 22,000.00

Budget Adjustment Attached? No

Budget Adjustment \$ -

Remaining Budget \$ 115,654.00

V20140710

Previous Ordinance or Resolution #

Original Contract Number:

Approval Date:

Comments:



MEETING OF APRIL 3RD, 2018

TO: Mayor and City Council

THRU: Don Marr, Chief of Staff
Terry Gulley, Transportation Services Director
Chris Brown, City Engineer

FROM: Matt Mihalevich, Trails Coordinator

DATE: March 14th, 2018

SUBJECT: 2018-0174 Recreational Trails Program – Fulbright Tunnel Improvements

RECOMMENDATION:

Staff recommends approval of a resolution expressing the willingness to apply for federal-aid funds and allow staff to submit an application of an 80% federal 20% local matching grant through the Arkansas Department of Transportation Recreational Trails Program for an award of up to \$88,000 to be used for improvements of the Fulbright Expressway Tunnel section of the Razorback Greenway.

BACKGROUND:

A section of the Razorback Greenway passes under the Fulbright Expressway through a 10-foot-tall by 10-foot-wide concrete box culvert tunnel that was installed with the expressway construction for the stream flow of Scull Creek. In 2008 this box culvert was converted for pedestrian and bicycle use to safely pass under N. Futrell Dr., the Fulbright Expressway, and N. Shiloh Dr. The box culvert tunnel was originally constructed for stormwater without knowledge of the future trail; therefore, the tunnel is constantly wet and uncomfortable to trail users.

DISCUSSION:

To create a dry and safer experience for users of the Razorback Greenway, staff has designed a new elevated concrete floor to be placed through the entire 685-foot length of the tunnel. A side channel is planned to carry the seeping water along the east edge to a storm drain on the north side where it will be routed to Scull Creek. A flood study is underway by staff engineer, Alan Pugh to comply with the Federal Emergency Management Agency (FEMA) requirements for adding the new floor to the tunnel. The proposed improvements would be bid to a private contractor for an estimated to cost of \$110,000.

Projects are now being accepted for the 2108 Recreational Trails Program administered through the Arkansas Department of Transportation. The proposed improvements to the tunnel under Fulbright Expressway would be an eligible project for funding up to 80% with a 20% local match. The Recreational Trails Program has been a substantial program for trail funding over the years (see funding history below).

BUDGET/STAFF IMPACT:

If the Recreational Trails Program grant is approved and fully funded, the City will be responsible for 20% of the total project cost, or \$22,000. Funding for the match has been budgeted through the Transportation Services Department trail development program for trail maintenance.

Summary of the Recreational Trails Grant awards to the City of Fayetteville since 1997:

Funding Year	AHTD Project Number	Trail Project	Location/Description	Funding Amount
1997	040271	Lake Fayetteville Kiosks	Three trailhead kiosks at Lake Fayetteville – North Shore, Softball Parking and Veterans Park.	\$20,000
2002	040401	Lake Fayetteville Spillway Bridge	Lake Fayetteville spillway, west of Veterans Park	\$51,247
2003	040425	Lake Fayetteville Spillway Bridge	Combined with the 2002 funds into one project to complete the Lake Fayetteville Spillway Bridge	\$20,000
2007	040507	Mud Creek Trail	Replacement of narrow arch bridge east of Front Street with an ADA compliant bridge.	\$33,600
2008	040530	Mud Creek Trail	Extension of Mud Creek Trail across Mud Creek along Old Missouri Road to Sweetbriar Drive.	\$60,000
2009	040558	Oak Ridge Trail	Frisco Trail west to Garland (Partnership with the U of A)	\$116,534
2010	040613	Lake Fayetteville Trail	Botanical Gardens to Veterans Park	\$80,000
2012	040656	Lake Fayetteville Trail	Lake Fayetteville Road Section at the Marina	\$75,000
2015	040701	Lake Fayetteville	Nature Trail Boardwalk near BGO	\$70,000
2016	040685	Frisco Trail Replacement	Frisco Ave. to Maple Street	\$56,000

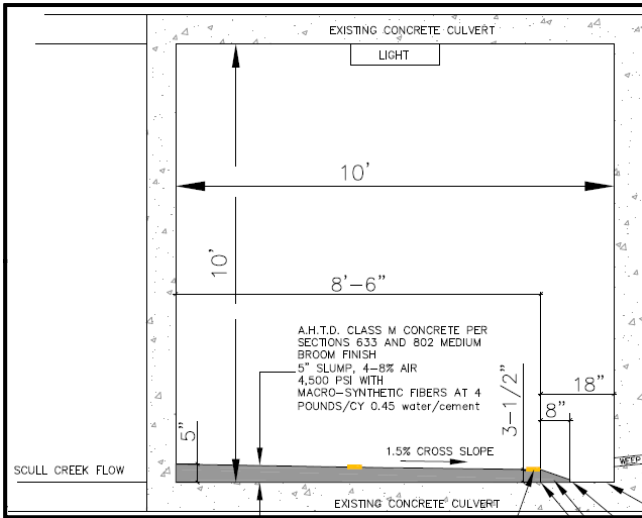
Total since 1997- \$582,381

Attachments:

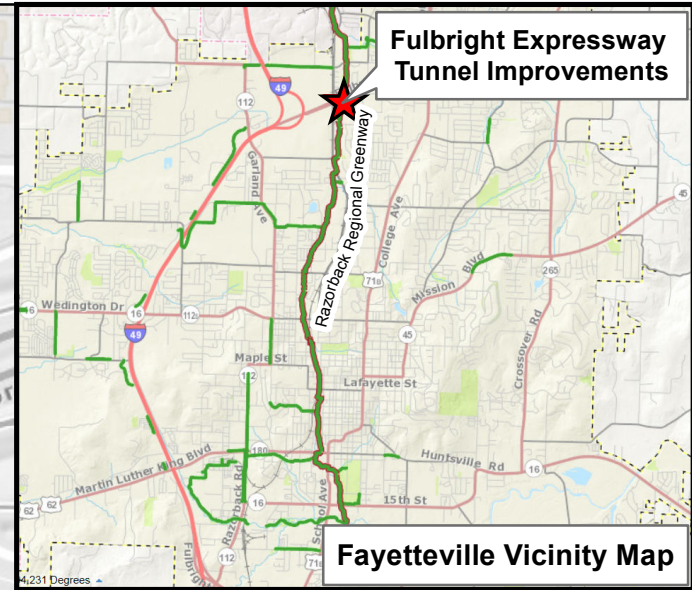
Fulbright Tunnel Improvements Map

Fulbright Tunnel Cost Estimate

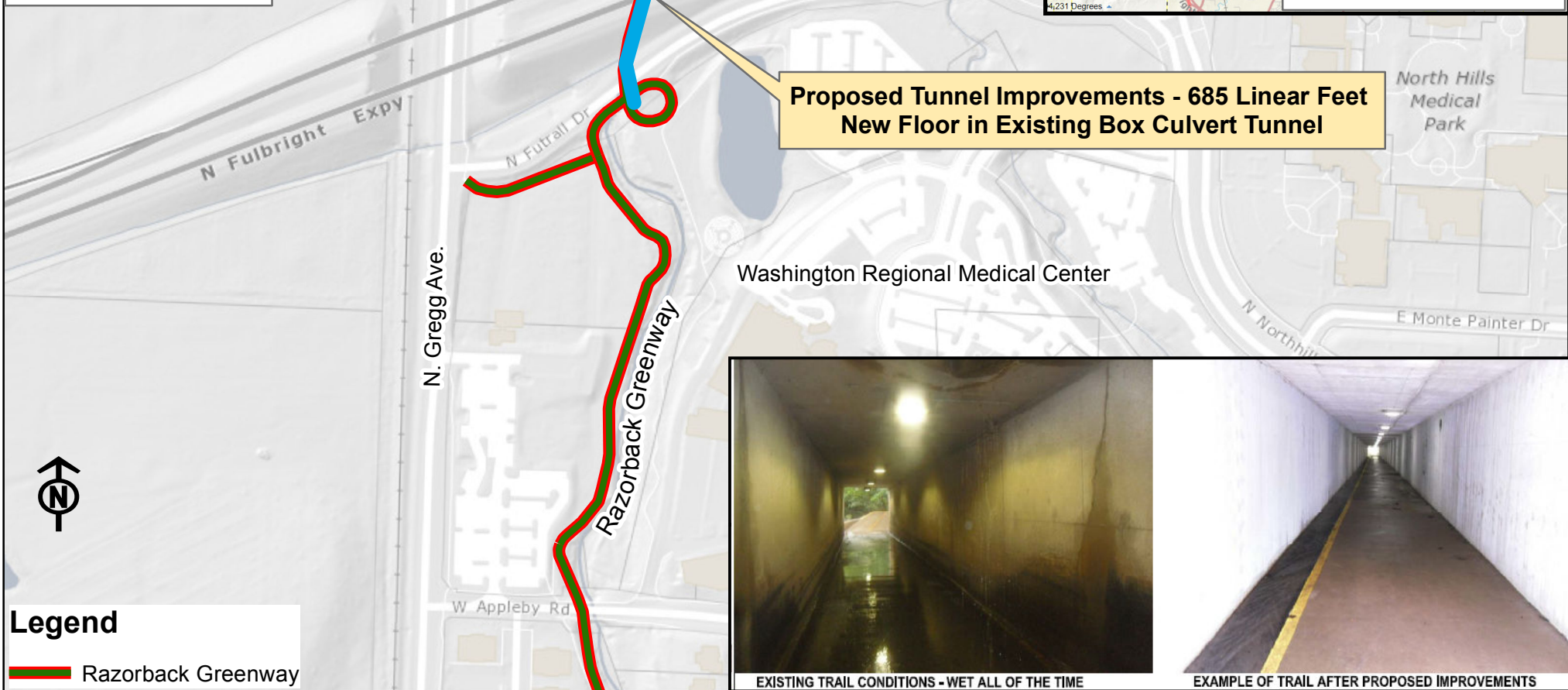
Recreational Trails Program Sample Resolution



Proposed Tunnel Floor



Fayetteville Vicinity Map



**Proposed Tunnel Improvements - 685 Linear Feet
New Floor in Existing Box Culvert Tunnel**

Legend

Razorback Greenway



EXISTING TRAIL CONDITIONS - WET ALL OF THE TIME



EXAMPLE OF TRAIL AFTER PROPOSED IMPROVEMENTS



Razorback Greenway Tunnel Improvements Fulbright Expressway - 685 LF Tunnel

March 14, 2018

Cost Estimate (Based on 2018 Contractor Bid Prices)

ITEM #	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
1	4,500 PSI CONCRETE TRAIL (FIBER REINFORCED)(FLOOR PRIMER)	80	C.Y.	\$650.00	\$ 52,000.00
2	ARDEX - K 15 LEVELER (55# BAGS)	120	55# BAG	\$185.00	\$ 22,200.00
3	REMOVAL OF EXISTING CONCRETE TRAIL	40	S.Y.	\$20.00	\$ 800.00
4	18" NYLOPLAST DOMED DRAIN BASIN WITH 8" PVC INVERT	1	L.S.	\$5,000.00	\$ 5,000.00
5	8" SCH. 40 SEWER PIPE	88	L.F.	\$50.00	\$ 4,400.00
6	PIPE FOOTING AND ANCHORS	1	L.S.	\$1,500.00	\$ 1,500.00
7	TUNNEL WALL AND CELING CLEANING & PAINTING (WHITE)	20,558	S.F.	\$0.50	\$ 10,279.00
8	4" YELLOW PAINT (EDGE AND CENTER STRIPE)	635	L.F.	\$1.86	\$ 1,181.10
9	12" CONCRETE RETAINING WALL (PER ARDOT SI-2)	1	L.S.	\$2,500.00	\$ 2,500.00
10	TRAIL TRAFFIC CONTROL AND SIGNS	1	L.S.	\$2,500.00	\$ 2,500.00
11	SOLID SLAB SOD	80	S.Y.	\$3.00	\$ 240.00
12	STRAW WADDLES	200	L.F.	\$2.00	\$ 400.00
13	INSURANCE & BONDING	1	L.S.	\$2,000.00	\$ 2,000.00
14	MOBILIZATION	1	L.S.	\$5,000.00	\$ 5,000.00

Total Estimated Contractor Cost \$110,000

SAMPLE RESOLUTION

RESOLUTION NO. _____

A RESOLUTION EXPRESSING THE WILLINGNESS OF

SPONSOR NAME

TO UTILIZE FEDERAL-AID RECREATIONAL TRAILS PROGRAM FUNDS

WHEREAS, *Sponsor Name* understands Federal-aid Recreational Trails Program Funds are available at 80% federal participation and 20% local match/in kind labor to develop or improve the Razorback Regional Greenway – Fulbright Expressway Tunnel Improvements, and

WHEREAS, *Sponsor Name* understands that Federal-aid Funds are available for this project on a reimbursable basis, requiring work to be accomplished and proof of payment prior to actual monetary reimbursement, and

WHEREAS, this project, using federal funding, will be open and available for use by the general public and maintained by the applicant for the life of the project.

NOW THEREFORE, BE IT RESOLVED BY *SPONSOR'S GOVERNING BODY* THAT:

SECTION I: *Sponsor Name* will participate in accordance with its designated responsibility, including maintenance of this project.

SECTION II: *Title of Sponsor's CEO/CAO* is hereby authorized and directed to execute all appropriate agreements and contracts necessary to expedite the construction of the above stated project.

SECTION III: *Sponsor's Governing Body* pledges its full support and hereby authorizes the Arkansas Department of Transportation to initiate action to implement this project.

THIS RESOLUTION adopted this _____ day of _____, 2018.

Signed: _____

Name of Sponsor's CEO/CAO

ATTEST: _____
(SEAL)

Notes:

- "Sponsor Name" is the name of the Agency (i.e. the City of Anywhere, Universal County, the Arkansas Department of Trails)
- "Sponsor's Governing Body" is the group of individuals that make the final financial decisions for the Agency (i.e. City Council, Quorum Court, Board of Directors, Commission)
- "Sponsor's CEO/CAO" is the person in charge of the day-to-day activities at the agency (i.e. Mayor, City Manager, County Judge, Executive Director, etc.)
- "Project Name" is the name of the project from the application