

# UA Sustainability Council || Agenda

Sept 13, 2022  
3:00-4:30PM  
MS Teams  
Tuesday



## 1. Co-chair updates

- a. Associate Vice Chancellor, Facilities Management, Scott Turley
  - i. 5.1-megawatt SSA signed and in progress.
  - ii. Board expressed interested in looking at solar state-wide, and the UA has put together an RFP for a 64-megawatt opportunity
  - iii. January would be the soonest time to make a recommendation to the board once the RFP is complete—a large enough project to gain national interest
  - iv. This would make a significant impact on the UA campus and make a statement about solar in Arkansas
- b. Director of Sustainability Academic Programs, Ken McCown
  - i. Undergraduate minor and graduate certificate on campus
  - ii. Earth Day capstone presentations went very well, many different topics were presented from supply chain transparency to how to package Saki sustainably
  - iii. Enrollment in the Sustainability minor has been growing (peaked at 140 two years ago) and back down to about 100 right now.
  - iv. At the peak enrollment the budget was very strained but still delivered the curriculum
  - v. Sustainability minor is spreading to other departments to have a much cleaner interface around campus
- c. ASG Sustainability Director, Michael Dortch
  - i. Focusing on programming with Sustainability RSO and how to support their needs

- ii. Putting together a policy for large scale student programming that requires resources for recycling at all events on campus
- 2. Solar Services Agreement (Scott Turley)
  - a. (see update above)
- 3. Discussion about how to apply RECs from 5.1MW solar array (Eric Boles)
  - a. Will be up and running by the end of 2023, beginning of 2024
  - b. This project will conservatively save the university 3.1 million dollars over 25 years
  - c. Apply RECs to specific facilities and projects to help gain LEED certified
  - d. RECs can also be sold on the open market or retire them to offset the Universities emissions
- 4. Fayetteville Traverse natural trail update (Ammen Jordan)
  - a. This project has been several years in the making, and broke ground on campus core over the summer
  - b. This project is a 1.5 million dollar on campus gift from Tom Walton and Steuart Walton
  - c. Sections 1, 2 & 3 of the Fayetteville Traverse on campus are completed, and the remaining sections will be completed this fall
  - d. The campus trail will be an integral part of the overall 20 mile Fayetteville traverse loop that connects to Kessler Regional Park and Centennial Park
  - e. There will be a ribbon cutting for the trail on Thursday, October 13
- 5. Oak Ridge paved multi-use trail (Eric Boles)
  - a. Planning on building a small section of the paved Oak Ridge trail to connect the Stadium Drive parking garage to the NPHC Garden
  - b. Looking for grants and/or funding to complete the entirety of the trail and also to revive the Maple Street Project
- 6. City of Fayetteville sustainability updates (Peter Nierengarten)
  - a. Update in November
- 7. 2022 Bicycle Safety Block Party (Ammen Jordan)

- a. OFS hosted their annual bike safety block party to raise awareness about bikes and safety on and off campus and connecting students with local bicycle resources
  - b. Gave away 20 bikes through Pedal It Forward, along with helmets and locks
  - c. The UA has partnered with Pedal It Forward to give now 80 bikes away to international students
8. Next meeting is November 8<sup>th</sup> and will have a review of UA waste/recycling/compost programs
9. Good-of-the-Order
10. Adjourn

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# UNIVERSITY OF ARKANSAS SOLAR SERVICES AGREEMENT

No upfront cost to the UA

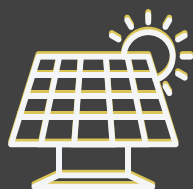
Reduces risk from rising utility rates

Projected to save the UA \$3.1 million over 25 years

Cuts UA greenhouse gas emissions from purchased electricity by 8.8%

## HOW DOES IT WORK?

The solar array will be developed off campus on approximately 25 acres within the U of A's electrical grid. The U of A will purchase the entire energy output of the array at a specified rate over the 25-year contract term. The facility has a minimum guaranteed production of 8,688,880 kWh in the first year which is approximately 6.3% of the campus electrical energy requirement.



This project cuts greenhouse gas emissions by **4,738 tons of CO<sub>2</sub>/year**.



That's the air emissions of  
**1,021 gasoline-powered cars.**

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# Fayetteville Traverse



- The Fayetteville Traverse is a natural-surface trail loop (~18 miles) that starts and finishes on the UA campus
- The NWA Trailblazers with support from City and UA are leading this initiative
- 100% gift from Tom and Steuart Walton
- The Office for Sustainability is using it as an opportunity to:
  - Enhance connectivity for transportation
  - Restore and create healthier landscapes
  - Create opportunities for UA affiliates to have positive experiences in nature

SECTION ONE – FOWLER WOODS

SECTION TWO – MAPLE HILL ARBORETUM

SECTION THREE – OAK RIDGE NORTH





SECTION FOUR – STADIUM DRIVE CONNECTOR

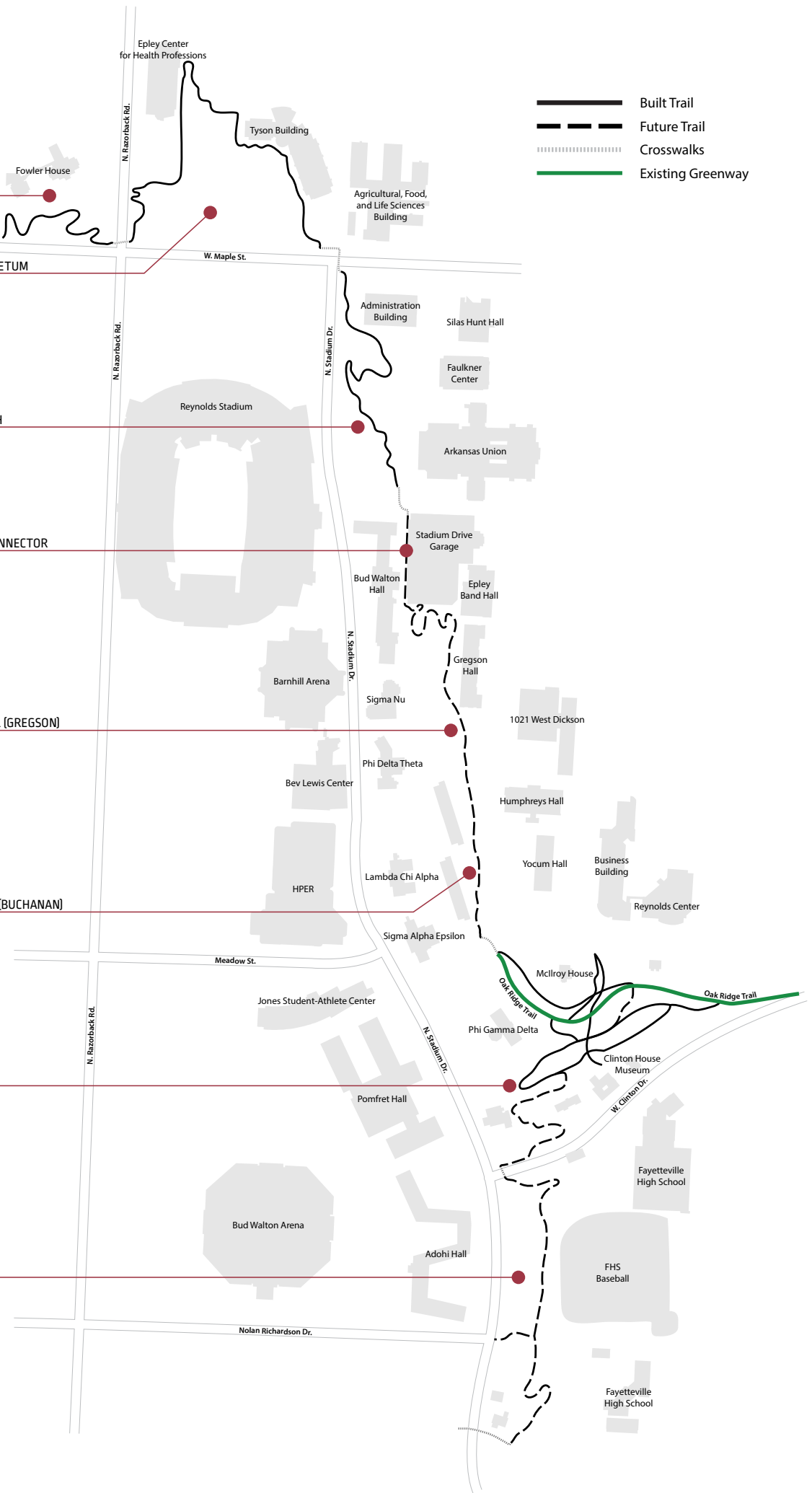
SECTION FIVE – OAK RIDGE CENTRAL (GREGSON)

SECTION SIX – OAK RIDGE CENTRAL (BUCHANAN)

SECTION SEVEN – OAK RIDGE SOUTH

SECTION EIGHT – ADOHI BRANCH

-  Built Trail
-  Future Trail
-  Crosswalks
-  Existing Greenway









Fayetteville Traverse

**WARNING:**  
This is a warning or  
cautionary sign  
intended to alert  
users of the  
equipment and  
prevent injury.  
NEVER USE  
EQUIPMENT  
UNLESS YOU  
ARE TRAINED  
AND QUALIFIED  
TO DO SO.  
Read and understand  
the operator's  
manual before  
operating the  
equipment.  
© 2010 John Deere  
L1055  
John Deere  
L1055













Fayetteville Traverse

**WARNING**  
This trail is for foot traffic only. No dogs, bicycles, or motor vehicles are allowed. Please stay on the trail and do not litter. For more information, visit [www.fayettevilletraverse.com](#).



DONALD W REYNOLDS RAZORBACK STADIUM



HOME OF THE RAZORBACK







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# Complete Maple Street

A partnership for safe, multi-modal, equitable access



**GRANT: RAISE (FY22)**  
**DTOS59-22-RA-RAISE-PKG00271365**  
**WORKSPACE ID: WS00853590**  
**LOCATION: Fayetteville, Arkansas**  
**PROJECT APPLICANT: City of Fayetteville**  
**DUNS NUMBER: #07-565-7742**  
**GRANT REQUESTED: \$8,000,000**  
**MATCHING FUNDS: \$2,000,000**  
**TOTAL PROJECT COST: \$10,000,000**

**MAPLE ST.**



**RAZORBACK REGIONAL GREENWAY PAVED MULTI-USE TRAIL**



# PROJECT DESCRIPTION

The Complete Maple Street project is a full reconstruction of a half-mile urban street corridor into a complete street connecting the University of Arkansas (UA) campus to the Razorback Regional Greenway, a regional shared-use paved trail network. The project addresses many transportation challenges, including: poor and dimensionally inadequate sidewalk conditions, a total lack of bicycle facilities, inadequate transit stops, insufficient drainage, and pedestrian safety risks associated with excessive vehicular lane widths that encourage speeding. The project addresses these challenges by replacing and upgrading the existing infrastructure and adding a new two-way cycle track for the full length of the project.



*Figure 1. A rendering of the designed streetscape. (UA Community Design Center, 2019)*

## **Project History**

Maple Street has long been a significant barrier which prevents the 35,000 daily commuters to the UA campus from having safe comfortable access to the regional paved trail network. The need for this project was first formally identified in the 2015 University of Arkansas Campus Transportation Master Plan, developed by Nelson Nygaard. Subsequently, the Maple Street project was identified as a catalyst project in the Walk/Bike Northwest Arkansas Master Plan and the Fayetteville Mobility Plan. In 2018 the University of Arkansas, City of Fayetteville and Walton Family Foundation partnered to fund the full design on the project. In 2019 Fayetteville voters approved bond funding to support construction in the amount of \$ 1 million. The University of Arkansas has also committed a \$1 million to go toward construction of the project.

Currently, the Complete Maple Street project is in a “shovel ready” status pending full funding for construction. The project creates a complete street emphasizing multi-modal mobility that is safe, efficient and equitable for all users. This project is 100% designed, fully within the public right-of-way, and pre-approved for a categorical exclusion.

# PROJECT LOCATION

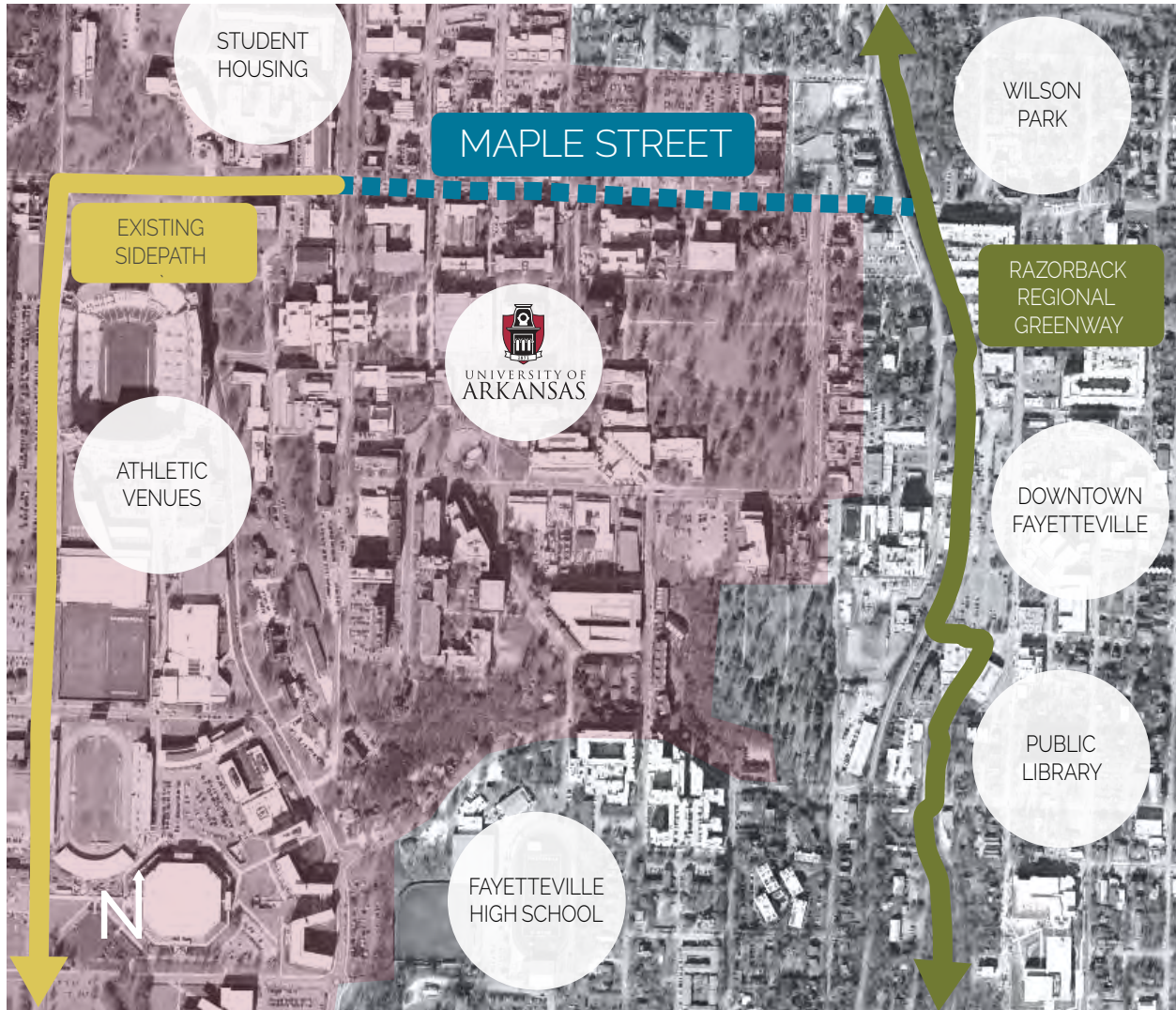


Figure 9. A map demonstrating how the project will complete a safe and connected trail loop and link to the larger community.

## Location Details

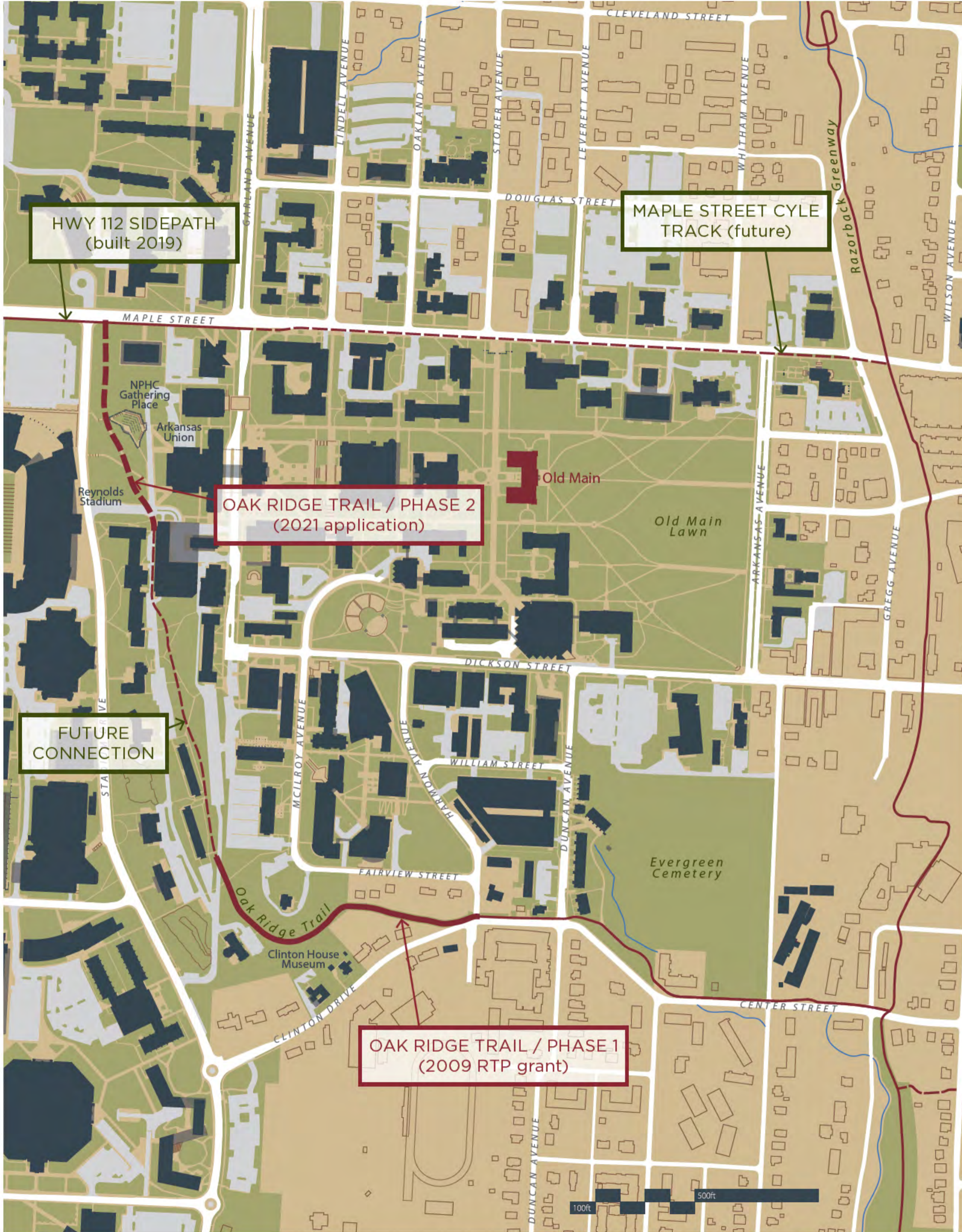
The project begins at the intersection of Maple St. and N. Gregg Ave. on the east extending to the intersection of Maple St. and Garland Ave. on the west.

### Western Terminus:

Lat 36.070332 Long -94.175518

### Eastern Terminus:

Lat 36.070098 Long -94.166785



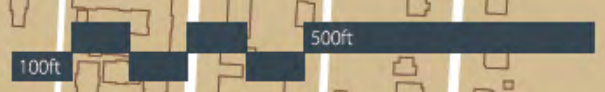
HWY 112 SIDEPAATH  
(built 2019)

MAPLE STREET CYCLE  
TRACK (future)

OAK RIDGE TRAIL / PHASE 2  
(2021 application)

FUTURE  
CONNECTION

OAK RIDGE TRAIL / PHASE 1  
(2009 RTP grant)



↑ NORTH

**OAK RIDGE TRAIL / PHASE 2**

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GWY

Tsa La Gi  
BIKE PARK

Cherokee













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# OAKLAND AVE FIRE LANE IMPROVEMENT

## PROBLEM

- Persistent fire lane violations on Oakland Ave. are a significant safety concern during emergencies.
- The buildings along Oakland Ave are exclusively student housing and community event spaces which generate substantial pedestrian, bicycle and e-scooter traffic.
- No dedicated active transportation connection between campus and the Douglas Street Bikeway – which connects west to Garland and east to the Razorback Regional Greenway.



## SOLUTION

- Pursuant of our overall traffic flow and traffic calming objectives for Maple Street and Rose Hill area the concept is to Install a two-way buffered cycle track on the west side of Oakland Ave. between Maple St. and Douglas St. in order to:
  - Eliminate chronic fire lane violations.
  - Accommodate active transportation connections to/from the UA, the Rose Hill neighborhood, via the Douglas Street Bikeway and the extensive Razorback Regional Greenway.





## SUPPORT

- *“I SUPPORT THIS 100%!!! Great idea and opening up Oakland will give my emergency first responders a chance at getting down the street quickly during emergencies, currently this street is a bottle neck and many times impossible for a large vehicle like a fire pumper.” - Wayne Brashear, Fire Marshal*
- *“This project came directly out of the Maple Street design, so this would merely be implementing a piece of the overall bike plan.” -Todd Furgason, FM Campus Planning & Design*
- *“Eliminating parking along west side of the street will enhance safety and encourage people to ride bicycles. It will be easier to enforce if it looks like a traffic lane (bike lane)” - Captain Gary Crain, UAPD*
- *“The buffered cycle track along Oakland Ave. will bridge a critical gap in the university’s active transportation network by establishing a safe and pleasant route for people on foot, bike and e-scooter.” - Ammen Jordan, UA Bicycle Advocacy Council*
- *We are excited for the project and the connection that it will make for people riding bikes and e-scooters between Douglas and Maple... adding the bike facility (and restricting parking on the west side) will go a long way to improving emergency access on the street... FFD and FPD prioritize parking enforcement for fire zones and would be ready to assist UAPF and UA Fire Marshal in ticketing...” - Dane Eifling, Mobility Coordinator, City of Fayetteville*

## COSTS

- This is a City of Fayetteville project at no cost to the university.      Sample photo of bike lane delineators
- The City of Fayetteville will pay for installation of all painted lines and thermoplastic symbols.
- New bike lane delineators and fasteners will be donated by BikeNWA
  - University Advancement may be interested in recording the costs of physical materials donated - but not labor.
  - UA will be responsible for installing and maintaining the bike lane delineators. *COSTS TBD*
- This project would eliminate 10 legal public parking spots on a city street. However, there ample parking spots available in the nearby Garland Avenue Parking Garage.

## INSTALLATION TIMELINE

- City of Fayetteville is requesting bids from striping contractors currently and would like to install this project prior to students returning to school this fall.
- The bike lane delineators can be installed at a later point, when convenient for FAMA.

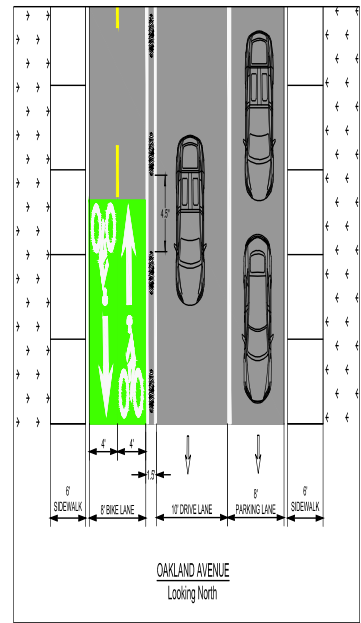
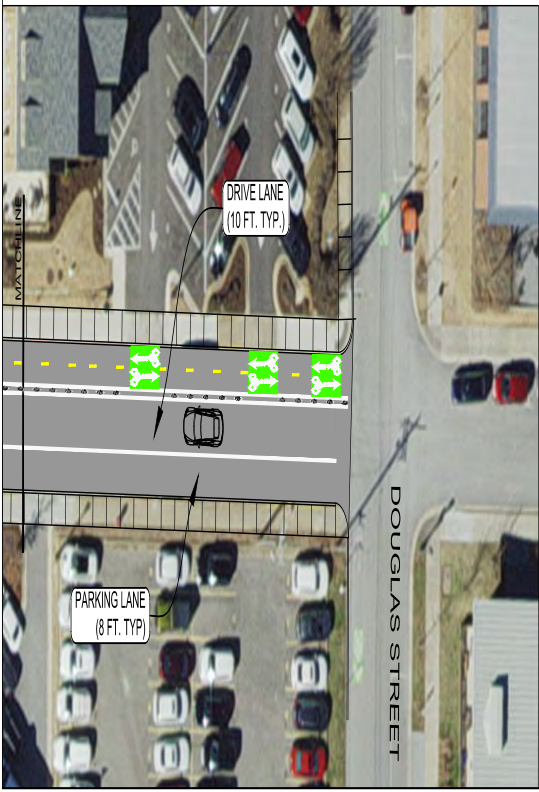
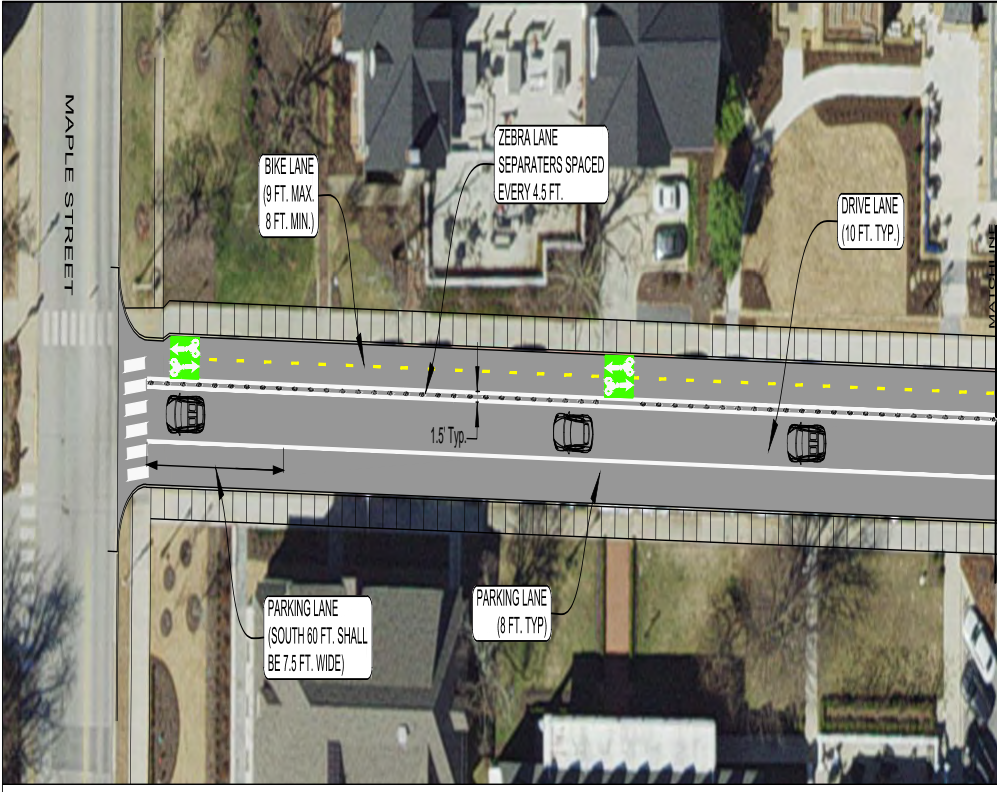


## MAINTENANCE

- City would require a maintenance agreement for the bike lane delineators.

# THE PLAN

Scale: 1" = 30'



CITY OF  
FAYETTEVILLE  
ARKANSAS  
ENGINEERING DIVISION  
115 N. HOLMAN STREET

## OAKLAND AVENUE STRIPING PLAN

July 12, 2021

1

## LANDSCAPE CHARACTER ZONES

These zones represent the most important organizing principle for any landscape design project. Each character zone defines an expected level of design, supported by an approved plant palette and maintenance level.

### THREE LANDSCAPE CHARACTER ZONES

The campus landscape is organized into three character zones with general guidelines and specific plant palettes for each:

- Garden Character
- Park Character
- Natural Character

These zones support the idea that the character of the campus landscape should vary according to topography, use, and “importance” within the campus at large. The three zones are differentiated by their approved plant palettes, which are tailored to the degree of finish and maintenance expected in each of the zones. Note that the baseline character of the campus is the Park Character, which consists of a simple design language of large canopy trees, lawns, and low ground covers. The Garden Character, which has a higher level of finish, is reserved for the heart of campus and other well-defined spaces, while the Natural Character includes areas where natural, low-maintenance planting is important to prevent erosion, create habitat for native species, manage rainwater collection, and filter pollutants.

### CAMPUS-WIDE GUIDELINES

#### PLANTING DESIGN GUIDELINES

- Use restrained plant palettes and large swaths of species to provide a background for campus life rather than “showy” displays.
- Use the approved plant lists for each of the character zones. The intent of the lists is to create a consistent campus plant palette that celebrates signature areas, while also increasing biodiversity, ecological health, and reducing maintenance requirements.
- Bloom palettes should generally be white, yellow, or pink and should be chosen to work with adjacent building materials. Red or purple flowering species should not be used.
- Ensure that key parts of the specified plant palette for a project blooms—or provides other color—during the academic year when students are on campus. In particular, consider special events like Commencement, Orientation, etc.
- Perennials may be used in limited quantities near the edges or borders of planted spaces. Individual species should be grouped to create blocks of color and texture.
- Preserve and protect large massings of native trees, shrubs, and herbaceous plants to ensure existing ecosystem services remain intact. No wholesale reductions or clearings are acceptable unless they entail the removal of invasive species.
- Specify and enforce best-practices for protecting established tree canopy, significant trees, and vegetation zones during construction, such as fencing properly-sized root protection areas.

