## City of Vienna Healthier Together Plan

Dooly County Healthier Together Grace Holmes

University of Georgia Extension, College of Environment and Design, and College of Public Health



## **Agenda**

#### 1. Background

- Maps of Vienna
- 2. Demonstrations Toolkit
- 3. Routes to Destinations
  - 7<sup>th</sup> Street
  - 3<sup>rd</sup> Street
  - Union Street



## 1.

## Background

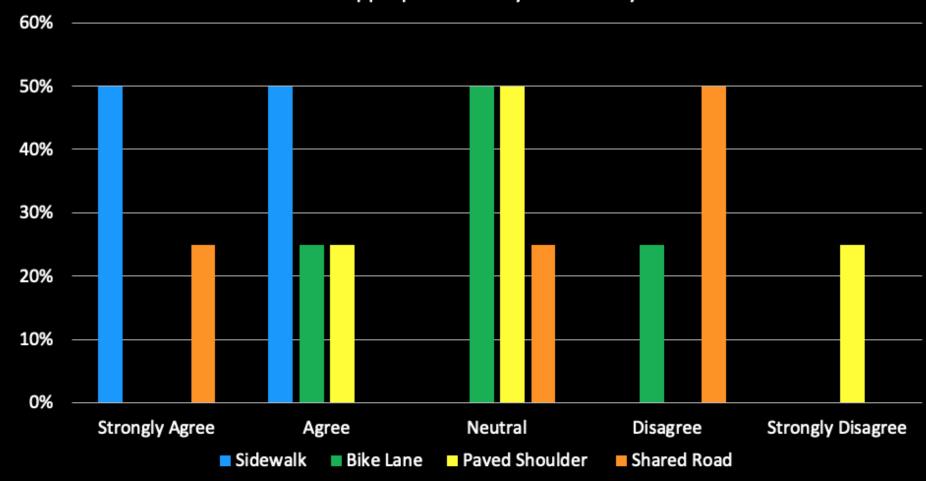
• Healthier Together and UGA's College of Environment and Design (CE+D) have partnered to create a land use plan

• The UGA CE+D students have spent the last two semesters analyzing Vienna

• The first phase of the project was working to understand each aspect of resident access with Vienna

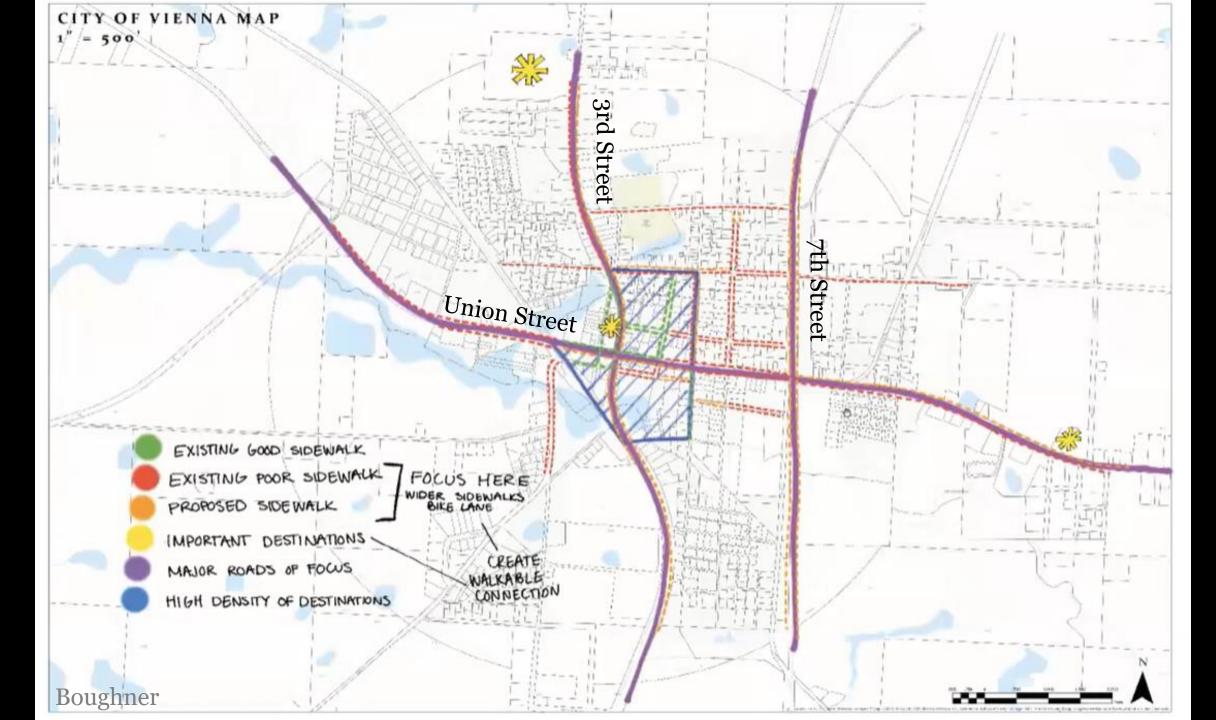
• Design choices were driven by feedback from Vienna residents

#### X is appropriate for my community



## **Community Feedback**









## 2.

## **Demonstration Toolkit**

Used to test a community's response to longer-term changes

• These are low-cost and temporary

• Presents an opportunity to troubleshoot interventions before investment

## **Sidewalk**

 Paved lane that is physically separated from the roadway

Vary in width

There is a physical separation from the road



#### Dooly County: Proposed Sidewalk

LEGEND

1 PROPOSED SIDEWALK
2 US-41



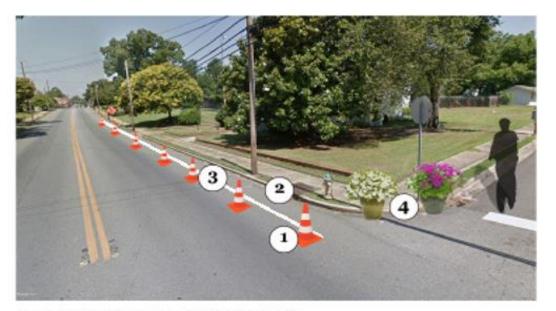
Proposed Sidewalk extending down US-41

### **Bike Lane**

 Designates an exclusive space for bike riders

 Located directly adjacent to motor vehicle travel lanes

 Should be about 6 feet wide with an optional buffer of 1 ½ to 4 feet.



Perspective view of Intersection with Union St. and 5th St.



Key

- (1) Traffic Cone
- Pop-Up Bike Lane
- 3 Spray Chalk Lane
- 4 Traffic Calming Flower Pots

Plan view of Intersection with Union St. and 5th St.

## Pop-Up Bike Lane

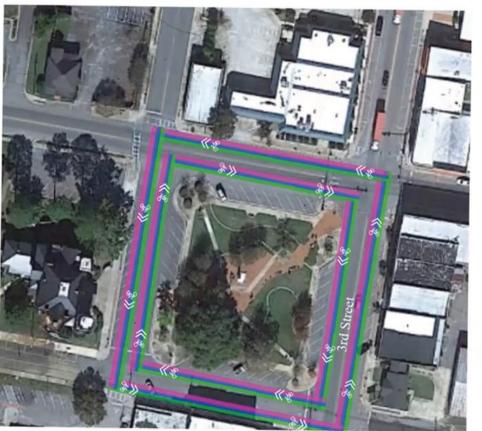
 Pop-up Bike Lane in Whitefish, MT



## **Bike Boulevard**

- Designated shared roads or "boulevards" for bicycle and vehicular traffic
- Sharrows indicate that a street is meant to be shared by cyclists
- Provide space for cyclists without having to modify the width of the street









# Pop-Up Bike Boulevard

 Bike Boulevard markings in Berkely, California

- Traffic calming treatments in Rochester, New York
  - Painted intersection
  - Temporary speed bumps





#### **Parks and Parklets**

 Will provide new destinations for residents of Vienna

 Increase the incentive for physical activity

Providing access to healthy food





#### Pop-Up Gardens

A local business or institution could 'donate' the limited use of a single parking space to create a pop-up garden, a space dedicated to showing off vegetables that could be grown in the community. Children and families could help water and maintain the plants and sample fresh produce. This can highlight single-use spaces (like parking) and possible alternatives to help create a healthy atmosphere. The plants could be donated by a local nursery or set up as a plant sale to entice visitors and raise funds (if needed).

Materials: Potted plants, Safety Barrier

#### Micro-Park

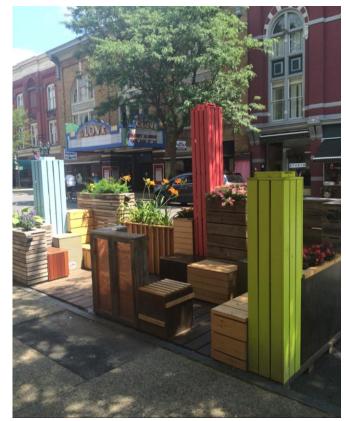
Micro-parks could be stationed along existing sidewalks in open spaces, like church yards, to provide resting points to walkers and travelers. Several Micro-parks could be placed throughout Vienna within walkable distance as a 'challenge' to visit all of them on a walk. They require minimal furnishings and potted plants that could again be donated by a local nursery.

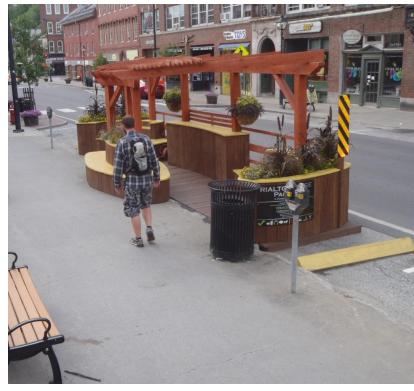
Materials: Potted plants, Seating

## **Pop-Up Parks**

- Temporary Parklet
   Constructed with Shipping
   Crates and Pallets
   in Gloversville, NY
- Moveable Parklet in Montpelier, VT
- Restaurant Seating in an On-Street Parklet, Plattsburgh NY

 Temporary Parklet in a Curb Extension in Anaconda, MT









## Crosswalks

 Low-cost solution to high traffic count roads

 Increased visibility of an artful crosswalk slows down drivers and attracts pedestrians



## Pop-Up Crosswalks

• Temporary Crosswalk and Median Island

Temporary Curb
 Extensions to Enhance
 Crosswalk in Enosburg,
 VT

Pop-up Crosswalks
 Created with Painted Tar
 Paper in Rio Grande, TX









## Round-A-Bout

• Can calm traffic, allow for better vehicular flow, and replace traffic control devices

Possibly unfamiliar for drivers



Tactical Urbanism

## Demo Round-A-Bout

#### LEGEND

- (1) ROUND A BOUT
- (2) SIDEWALKS
- REDUCE SPEED FROM 45 TO 35



# Pop-Up Round-A-Bout

 Pop-up Mini-Circle in Bozeman, MT

 Pop-up Mini Circle in Livingston, MT





## 3.

## Routes to Destinations

- Three major priority routes students focused their designs on:
  - A. 7<sup>th</sup> Street
  - B. 3<sup>rd</sup> Street (US 41)
  - C. Union Street (HWY 215)
- Essential access points to everyday destinations
- Physical activity opportunities
- New and enhanced destinations



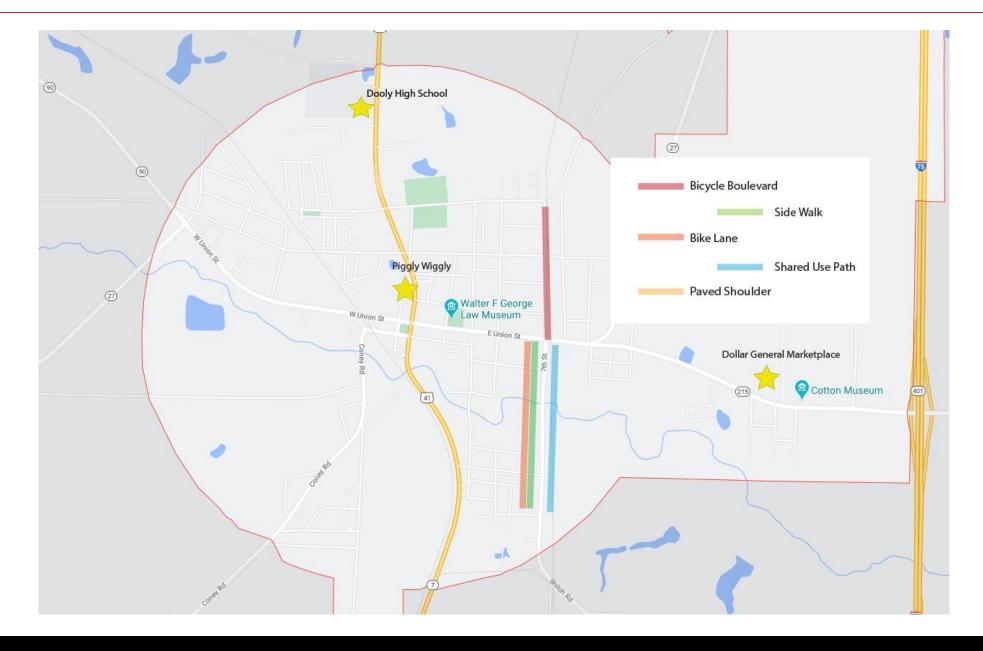
## 7<sup>th</sup> St.

#### Suggested Interventions:

- Bicycle Boulevard Addition on 7th Street
- Bike Lane Addition on 7th Street
- Paved Shoulder Addition on 7<sup>th</sup> Street.
- Sidewalk Addition on 7<sup>th</sup> Street
- Shared Use Path Addition on 7<sup>th</sup> Street

7<sup>th</sup> Street has been identified as a priority route due to the lack of safe pedestrian / biker access to the downtown sidewalk network.

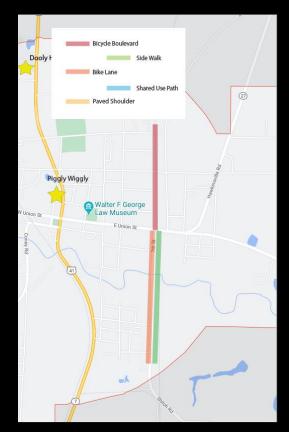
**Existing Conditions** 

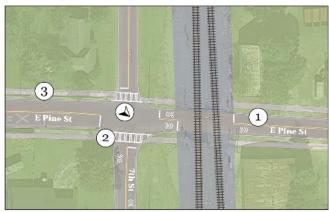




7th Street Overview

## Bicycle Boulevard





Proposed Bicycle Boulevard Plan at E. Pine Street and 7th Street



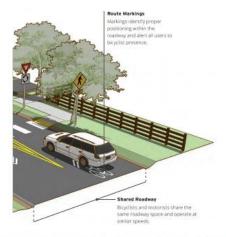
Proposed Bicycle Boulevard Perspective at E. Pine Street and 7th Street

#### Legend

Land Use

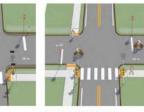
For use inside of built-up areas to

- Proposed Bicycle Boulevard
- (2) Proposed Crosswalk
  - Proposed Sidewalk
- Perspective View





At locations with poor yield-topedestrian compliance, install active warning beacons such as rectangular rapid flashing beacons to supplement crossing warning signs and remind motorists of the obligation to yield. Refer to FHWA Interim Approval 11 for more information on the use and application of rectangular rapid flashing beacons.



#### Crosswalk Markings and Crossing Warning Signs

raise awareness of the crossing by motorists. Use a combined bicycle and pedestrian W11-15 sign to indicate the potential of bicyclists and pedestrians crossing at specific locations.



Curb extensions reduce traffic exposure Crosswalk markings and warning signage and increase visibility of crossing users. Curb extensions should not be used within shoulders where they interfere with bicycle travel along the major



TAYLOR BICYCLE BOULEVARD INTERVENTION



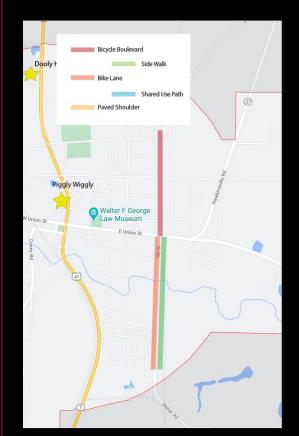








## Bicycle Lane



Cost: \$ \$ \$ \$

# Bike Lane Buffer (Optional) 1.5-4 ft (0.5-1.2 m) or wider

### **BIKE LANE**

ADDING BIKES LANES THROUGHOUT VIENNA WILL ENHANCE ACCESSIBILITY TO MANY PLACES INCLUDING DOOLY COUNTY HIGH SCHOOL, DOLLAR GENERAL AND PIGGLY WIGGLY. THERE ARE MANY PROS TO BIKE LANES SUCH AS...

-PROVIDES A CONSISTENT AREA FOR BICYCLISTS TO TRAVEL OUTSIDE THE PATH OF MOTOR VEHICLES

- -PROMOTES PHYSICAL ACTIVITY
- -BETTER FOR THE ENVIRONMENT
- -PROVIDES ADDITIONAL OPTIONS OF TRANSPORT
- -PROVIDES A
  DESIGNATED SPACE ON
  THE ROADWAY SUITABLE
  FOR SKILLED BICYCLISTS





PERSPECTIVE OF PROPOSED BIKE LANE ON 71H STREET

COLEMAN BIKE LANE INTERVENTION



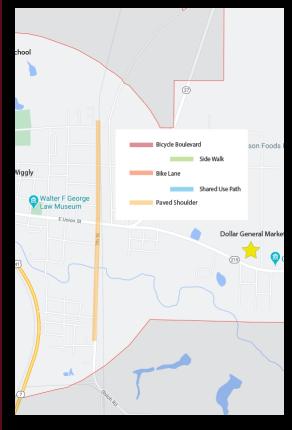








# Paved Shoulder



Cost: \$ \$ \$ \$

Time: (\)(\)(\)(\)(\)

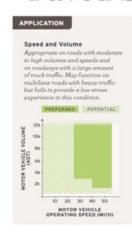


Proposed Paved Shoulder on 7th Street

#### Legend

- 1 Proposed Paved Shoulder
- 2 Proposed Buffer
- (3) 7th Street

#### Paved Shoulder

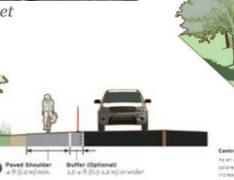




#### Land Use

appragrante outstate und within without area, near school zones nd transit locations, and where iere is expected pedestrium and ingele astroiny. Walkable shoulder hould be provided along both dee of county roads and highways ustney used by pedestrians.







**Enhanced Longitudinal Markings** 

enhance the visual separation.

Wide solid white lines or buffer areas

DAVIDSON SIDEWALK INTERVENTION



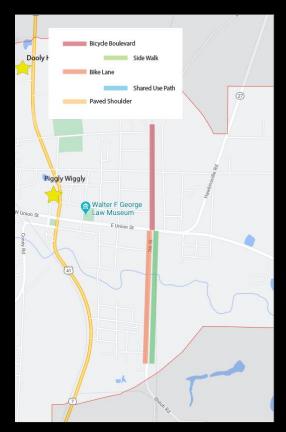








## Sidewalk



Cost: \$ \$ \$ \$

Time: ()()()()



This proposed sidewalk along South 7th Street will allow pedestiran circulation from the affordable housing residential area up to the existing sidewalk system on Union Street.

Sidewalks provide dedicated space intended for use by pedestrians that is safe, comfortable, and accessible to all.

The addition will create a more complete sidewalk system on from residential areas to Union Street.



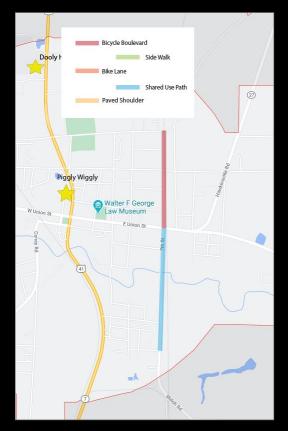








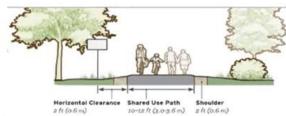
# **Shared Use Path**



Cost: \$ \$ \$ \$

Time: (1)(1)(1)(1)

# Area of Focus | Income towns to the control of the



#### **Shared Use Path Intervention**

-Shared use Paths provide excellent experience, in common spaces, for pedestrians and cyclists alike..

This intervention provides clear and distinct seperation between both cyclists and motorists as well as cyclists and pedestrians. This intervention is an important addition to corridors with tight right of ways and existing sidewalk infrastructure. Most importantly, it encourages multi-modal travel within the City.

#### Target Corridor:

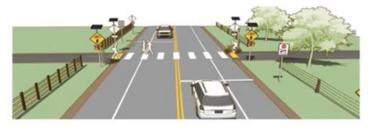
- 7th Street

#### SHARED USE PATH DESIGN









DIAGRICAND DIFFORMATION FROM SMALL TOWN AND RURAL DISSON GUIDE:

REED SHARED USE PATH INTERVENTION



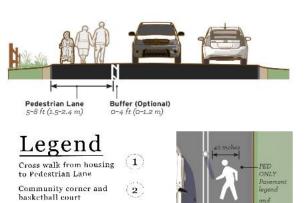












Vegetative buffer around grey field and housing

Visually Seperated Pedestrian Lane



VISUALLY SEPARATED

#### Pedestrian Lane

A pedestrian lane is an on-roadway facility intended for use by pedestrians and must meet accessibility guidelines for walkways. Any deficiencies in meeting ADA guidelines during implementation as a restriping project should be identified in the ADA transition plan and be corrected in the next resurfacing.

Pedestrian lanes are a interim facility, and a full sidewalk construction should be planned for future implementation.



ROGERS PEDESTRIAN INTERVENTION

#### **Destination: Mini Park at Woodward Apartments**

No direct access to downtown park facilities Would provide exercise opportunities for those living in the apartments

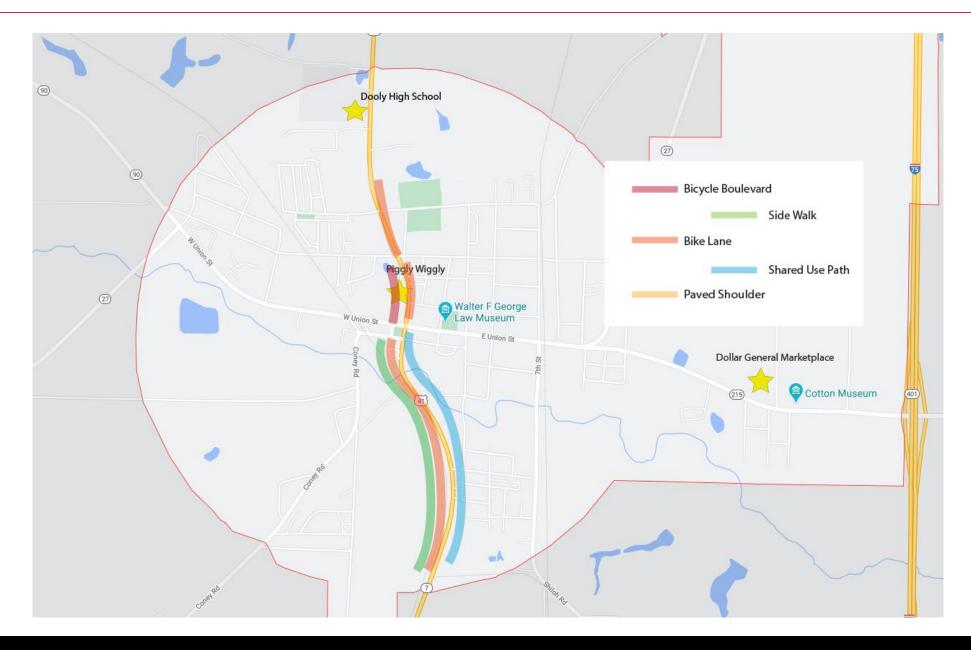
## 3rd St.

#### Suggested Interventions:

- Bicycle Boulevard Addition on 3rd Street
- Bike Lane Addition on 3rd Street
- Paved Shoulder Addition on North 3rd Street
- Paved Shoulder Addition on South 3rd Street
- Sidewalk Addition on 3rd Street
- Shared Use Path Addition on 3rd Street

3rd Street has been identified as a priority route because it is a direct pedestrian route for the local grocery store and the local high school.

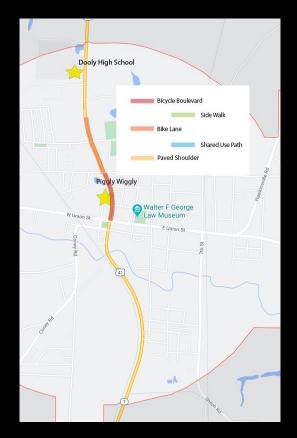
**Existing Conditions** 





3rd Street Overview

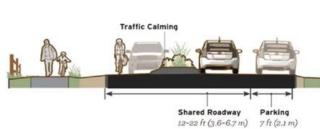
## Bicycle Boulevard

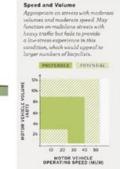


Cost: \$ \$ \$ \$

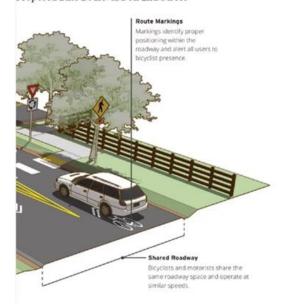
Time: (()(()(()(()







Proposed Bike Boulevard on 2nd Street





#### Crosswalk Markings and Crossing Warning Signs

Crosswalk markings and warning signage raise awareness of the crossing by motorists. Use a combined bicycle and pedestrian W11-15 sign to indicate the potential of bicyclists and pedestrians crossing at specific locations.

#### ENHANCING ACCESSIBILITY: BIKE BOULEVARD

The goal of implementing bicycle boulevards in the downtown area is to allow for accessibility and access in an area that has narrower streets and a slightly higher traffic count. With correct signage and markings, this will give bikers a safe route to downtonw destinations.

GOSSELIN BIKE BOULEVARD INTERVENTION



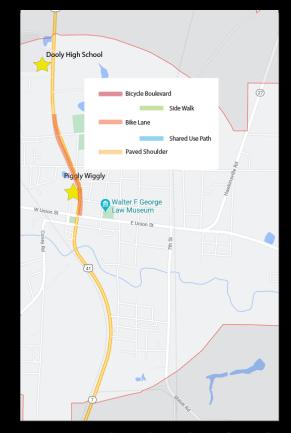








## Bicycle Lane



Cost: \$ \$ \$ \$

Time: (()(()(()(()(()

#### **BIKE LANE**



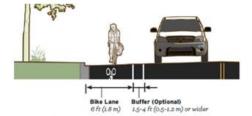
THIRD STREET BIKE LANE ADDICTION PERSPECTIVE

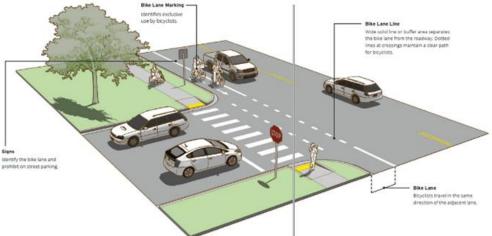


SEVENTH STREET BIKE LANE PERSPECTIVE

bikers to travel throughout Vienna comfortably.

A network of bike lanes will allow





#### Legend

- (1) Bike Lane
- (2) Sidewalk
- (3) Third Street
- 4 Seventh Street







BOUGHNER BIKE LANE INTERVENTION



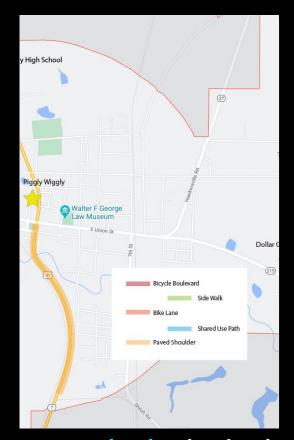








## Paved Shoulder



Cost: \$ \$ \$ \$

Time: ()()()()

#### INTERVENTION: PAVED SHOULDER

Paved shoulders can be enhanced on the side of roadways to allow for bicyclists and pedestrians to travel in the absence of other facilities.

#### PAVED SHOULDER BENEFITS:

- Provides a safe way for pedestrians to walk around in the absence of a sidewalk
- Advantageous for bicyclists, pedestrians, and motor vehicle as it provides a designated space for each
- Can reduce "bicyclists struck from behind" crashes which are common in small, rural areas



- S. 3rd Street



Paved Shoulder
4 ft (1.2 m) min.
1.5-4 ft (0.5-1.2 m) or wider

Intersection Design

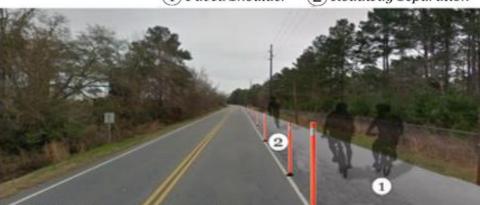


1) Paved Shoulder

(2) Roadway Separation

DESCRIPTION OF STREET, WHITE YOURS SHOW AND ATTAIN PRODUCT OTEN

PAVED SHOULDER DESIGN



Paved Shoulder on S. 3rd Street

CORSINO PAVED SHOULDER INTERVENTION

Dooly County: Healthier Together





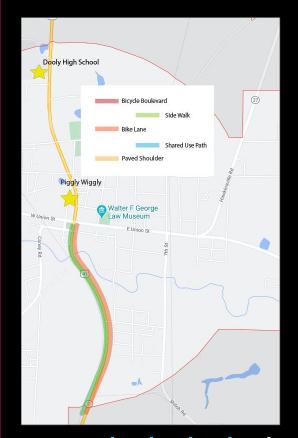
Location Map







## Sidewalk





**Dooly County: Bike Lane** 

Proposed Bike Lane at E. Union Street and 5th Street



Proposed Sidewalk at US-41

#### Legend

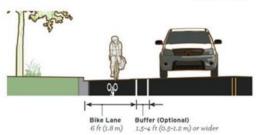
- 1 Proposed Bike Lane
- ② Existing Sidewalk



An optional R3-17

Bike Lane sign may be used to supplement bike lane markings. An R7-9 sign may be used if parked vehicles frequently bock the bike lane.

#### Bike lanes establish an area for exclusive bicycle use outside the path of

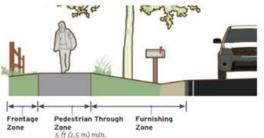


#### ACCESSIBILITY

Bike lanes are designed for the exclusive use of bicyclists and are not intended for use by pedestrians.

#### Legend

(1) Proposed Sidewalk



Sidewalks should be physically separated from the roadway by an unpaved buffer separation, barrier or curb edge.

#### SIGNS

No signs are required on sidewalk installation. Signs may be used to enhance the awareness of crosswalk locations, to remind drivers of the obligation to yield to crossing pedestrians, such as the R10-15 sign



R10-15 sign for use at potential right turn conflict

#### ACCESSIBILITY

A sidewalk is a separated facility intended for use by pedestrians and must meet accessibility guidelines for walkways and curb transitions. Sidewalks are required to be accessible by all users.

MARTIN PEDESTRIAN INTERVENTION

Dooly County: Healthier Together





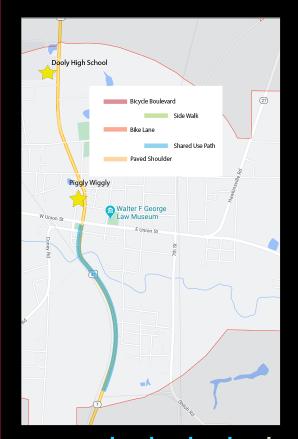
Sidewalk







# **Shared Use**Path



Cost: \$ \$ \$ \$

Time: (()(()(()(()(()

#### SHARED USE PATH

Shared use paths are a balance of pedestrian and byciclist safety and efficient use of space. They can be seperated by directional lanes or lanes according to foot or bycicle traffic. It's important to move bicyclists off the road in less dense, more vehicular-traffic-focused roads.





WYNN SIDEWALK INTERVENTION

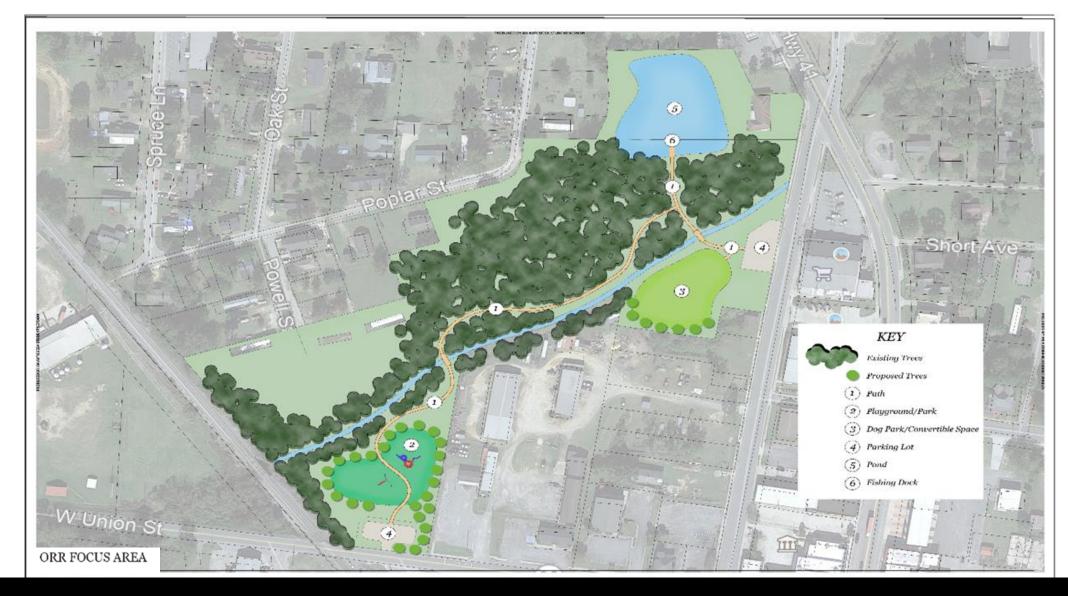






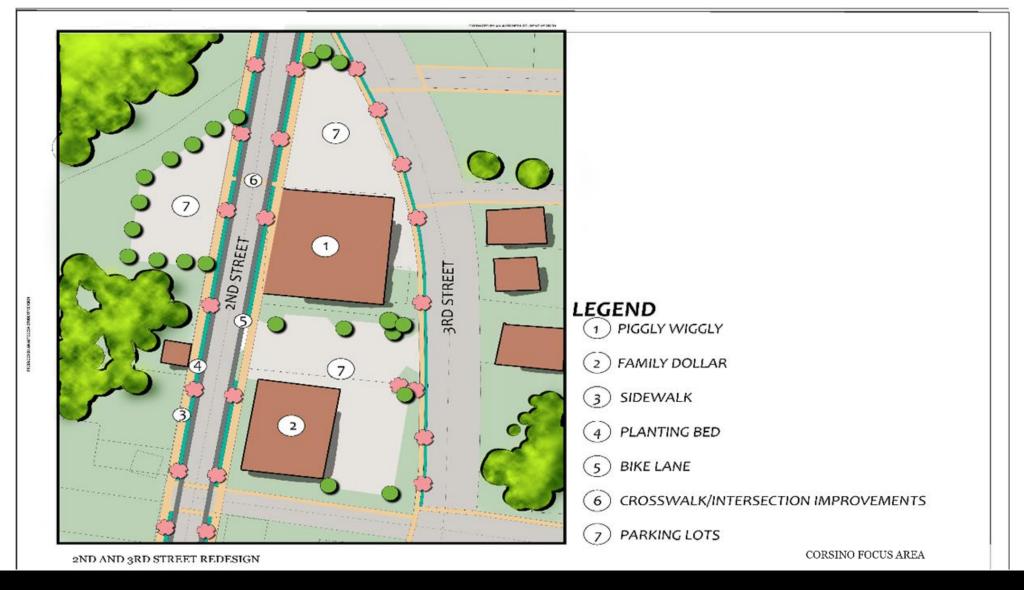






# **Destination: Park along Pennahatchee Creek**

Pennahatchee Creek is a unique feature in Vienna Creating community space near the creek will allow for more outdoor physical activity in the community



# **Destination: Piggly Wiggly Block**

Identified as a common, everyday destination for community members Would increase access to the local grocery store for pedestrians and cyclists

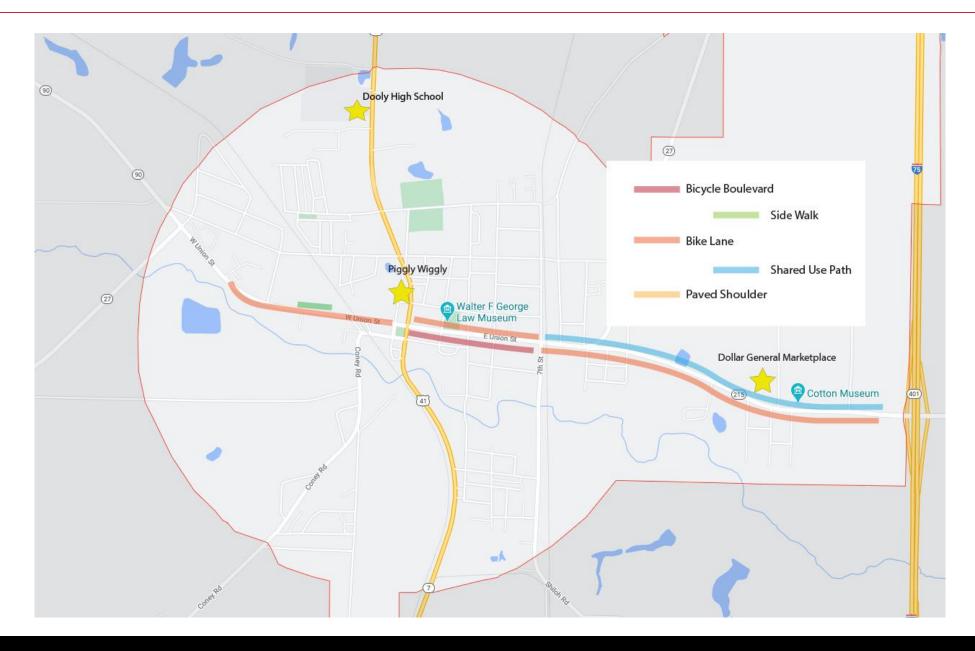
# Union St.

## Suggested Interventions:

- Side Path Addition on Union Street
- Bicycle Boulevard on Union Street
- Bike Lane Addition on Union Street
- Paved Shoulder Addition on Union Street

Union Street has been identified as a priority route because it is a direct pedestrian route for the Dollar General Market, housing, the local library, and the Department of Family and Children Services.

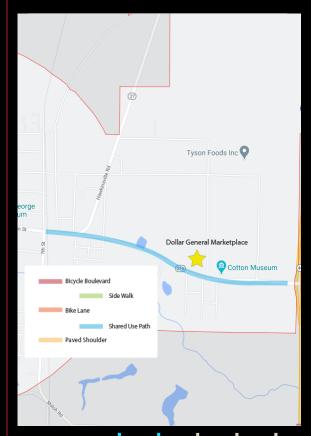






Union Street Overview

# **Shared Use**Path



Cost: \$ \$ \$ \$

Time: (\)(\)(\)(\)

#### INTERVENTION: SIDEPATH

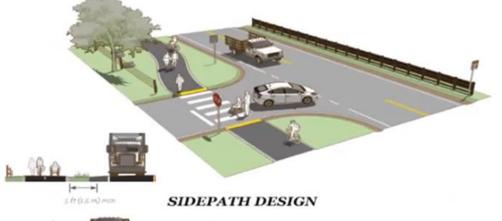
A sidepath is a bidirectional shared use path located immediately adjacent and parallel to a roadway. Sidepaths can offer a high-quality experience for users of all ages and abilities as compared to on-roadway facilities in heavy traffic environments, allow for reduced roadway crossing distances, and maintain rural and small town community character.

#### SIDEPATH BENEFITS:

- Encourages walking and biking in areas of high-volume and high-speed traffic
- Supportive of rural character when combined with vegetation to visually and physically separate the sidepath from the roadway
- Completes networks throughout the city

#### APPLICABLE ROADS:

- E. Pine Streets
- 7th Street
- W. Union











1) Bidirectional Sidepath

(2) Roadway Separation



Paved Shoulder on W. Union

DELCES AND DESCRIPTION FROM VISIALS WHEN AND ROBAL DESCRIPTION

CORSINO SIDEPATH INTERVENTION



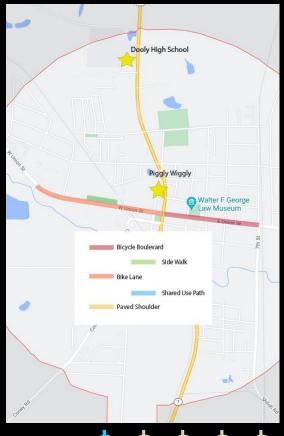








# Bicycle Boulevard



Cost: \$ \$ \$ \$

Time: (()(()(()(()(()



Perspective of Union Street and 5th Street intersection with Bicycle Boulevard.





Crosswalk



Bike Boulevard Marking



Figure 2-5. Buye's boulevants combine rood mackings, traffic calming measures, and crossing improvements designed to enhance the compand priently of boyelists traveling plang the route.

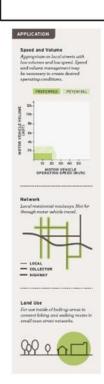
#### BICYCLE BOULEVARD IN VIENNA, GA

-Improves the quality of life for residents through calmer traffic and safer crossings.

 -Increases comfort for people bicycling by reducing motor vehicle operating speeds and volumes, if diversion is included.

-May reduce the incidence of serious injuries through reduced travel speeds.

 Connects local residential roads to commercial corridors and community services such as schools.



PINSON BIKE BOULEVARD INTERVENTION



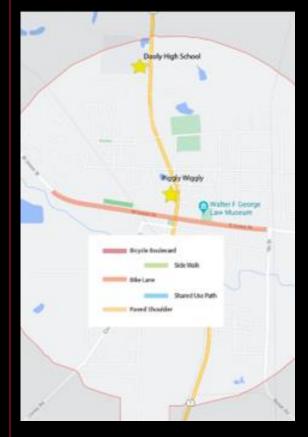






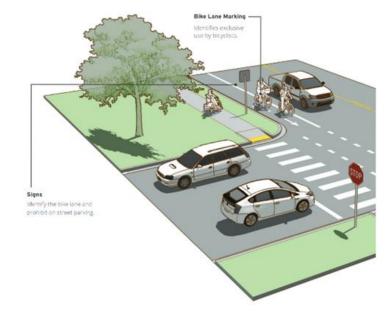


# Bicycle Lane



Cost: \$ \$ \$ \$





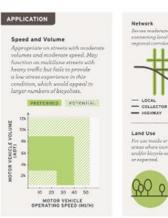
Perspective of Bike Lane on Union St

#### Legend

- 1 Existing Sidewalk
- (2) Proposed Bike Lane

Bike Lanes are located on roadways, directly adjacent to vehicular lanes. Installing bike lanes along connector roads in Vienna including Union St, US Highway 41, Woodward St, and Coney Rd can promote the beginnings of a bicycle network that connects Vienna.

Bike lanes throughout Vienna could increase connectivity, school access, and opportunities to be physically active in the community.



KINNEBREW BIKE LANE INTERVENTION



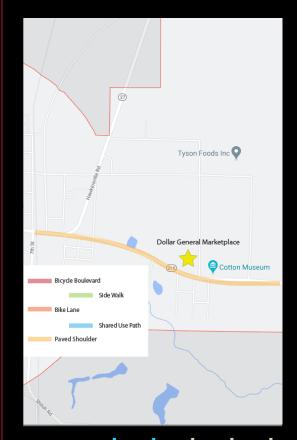








# Paved Shoulder



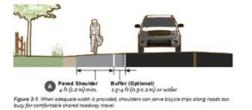








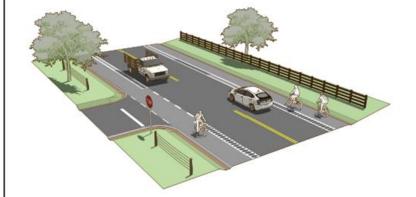
- Paved shoulder
- Lane Divider Line





#### **PAVED SHOULDER IN** VIENNA, GA

- Provides a stable surface off the roadway for pedestrians and bicyclists to use when sidewalks are not provided.
- Can reduce "bicyclist struck from behind" crashes, which represent a significant portion of rural road crashes.
- Provides advantages for all roadway users, by providing space for bicyclists, pedestrians, and motor vehicles.



PINSON PAVED SHOULDER INTERVENTION













Example of octagonal gaga ball pit, along with estimated pricing for pits of varying heights and sizes.



Gagatadi Pit Design	Square Feet	# of 4X4X10s	# of 2006a	Buxus of Science	<b>Total Cost</b>
8' Pentagon 24" Height	110	1	20	2	\$158.00
8' Pentagon 36' Height	110	2	30	2	\$238.00
8' Outsean 24" Height	309	2	32	2	\$251.00
E' Octagon 36" Height	309	3	42	3	\$337.50
10' Pentagon 24" Height	172	1	20	2	\$208.00
10' Persegon 36' Height	172	2	30	2	\$313.00
10' Octoper 24' Height	482	2	32	2	\$331.00
10' Octagon 36' Height	482	3	12	3	\$012.50

#### Legend

Vienna First Baptist Church

Walter F. George Law Museum

(3) Proposed Crosswalks

(4) Proposed Gaga Ball Pit

Existing Trees

Proposed Trees

# **Destination: Enhancement of George Busbee Park**

George Busbee Park is an existing physical activity destination for downtown Vienna residents With some enhancements, community engagement could be increased



## **Destination: Charles Street Apartments**

Creating safe access to the sidewalk on Union Street and an additional green space could improve residents' physical activity

# Other Routes

 Direct pedestrian route for community members using the Recreation Center

- Side Path Addition
  - vegetated swale

### Hawkinsville Road



PERSPECTIVE OF SIDEPATH ON HAWKINSVILLE ROAD

Legend

1 8 ft wide concrete sidepath

2 Wet soil tolerant plants in ditch

and when the source of the part of the source of the

FITZGIBBONS SIDEPATH INTERVENTION

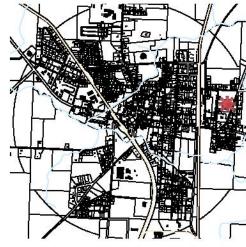
# Other Destinations

 Identified as a focus area due to its use as a community center for physical activity

 Loft apartments currently being built on the property

### **Recreation Center**





#### Legend

- 1) Basketball Court
  - ....
  - Tennis Court
- ) Track

Courtyard

Garden

- Pavillion
- 4) Bathrooms
- (5) Playground
- 6 Exercise Equipment
- (7) Parking lot
- (8) Community Garden
- (9) Football/Soccer

# Other Projects

 Identified as a need for the community in later stages of transit development

 Network could also be used for a bike share system

## Bus Stop Network and/or Bike Share Network



### **Students**

Jordan Boughner Kaitlin Bryant

Macy Butler

Morgane Coleman

**Chandler Corsino** 

Alicia Davidson

Andy Diaz

Henry Fitzgibbons

Allie Gosselin

Madelaine Kinnebrew

Elise Langston

Caroline Laux

Riley Martin

Zack Orr

**Austin Pinson** 

Grace Raulet

Jameson Redd

Charlie Rittenhouse

**Emily Rogers** 

Sallie Smith

**Bailey Taylor** 

Hugo Velasquez

Cricket Wynn

## **CED Faculty/Staff**

Donnie Longenecker

Anna Marie Scoccimaro

**Braden Meadows** 

Jennifer Lewis

Natalie Glaze

### **Outside Organizations**

John Morgan (RVRC)

Mark Fenton (Affiliated CDC)



# Questions?

**Grace Holmes** 

229-386-3551

grace.holmes@uga.edu