



# FOLLY ROAD MULTI-USE PATH

*Ellis Creek to Prescott Street  
October 2018*

# CONTENTS

- Review
- Alternatives
- Challenges
- Areas of Interest
- Decision Matrix
- Recommendation



# REVIEW

## SEGMENT OPTIONS

Section	Roads	Length	Cost of Sidewalk Completion	Cost of Shared-Use Path
1	Ellis Creek to Prescott Street	6,800'	\$ 2.3M	\$ 5.3M
2	Prescott Street to George L. Griffith Boulevard	1,800'	\$ 1.0M	\$ 2.2M
3	George L. Griffith Blvd to Grimball/Fort Johnson Road	2,050'	----	\$ 1.6M
4	Grimball/Fort Johnson Road to Rafeal Lane	3,600'	----	\$ 2.5M
5	Rafeal Lane to Sol Legare Road	8,800'	\$ 2.3M	\$ 4.3M
Total		23,050'	\$ 9.7M	\$ 15.9M

## WHAT WE'VE DONE

- Grant application for funding
- Defined first priority
- Completed existing condition survey
- Developed alternatives

## FUNDING

**\$2.675M**  
TOTAL AVAILABLE FUNDS

**\$ 9.450M**  
TOTAL TARGETED + AVAILABLE FUNDS

## SEGMENT 1

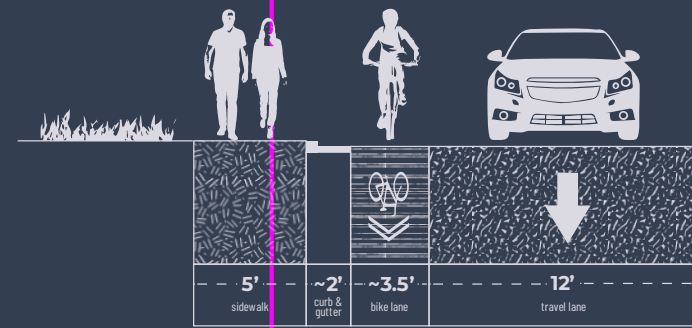
**MOST**  
traffic accidents  
(2015-2017)

**MOST**  
business  
density

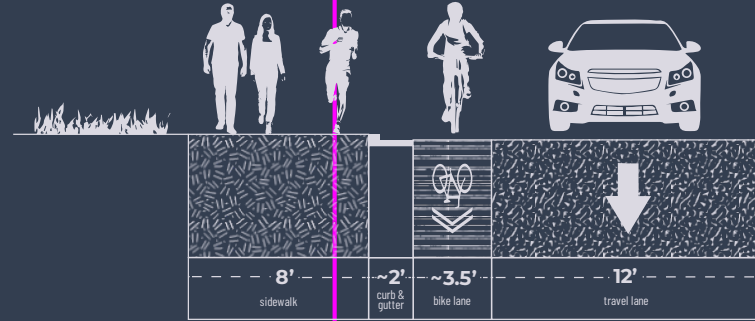
**2<sup>nd</sup>**  
household  
density

**2<sup>nd</sup>**  
population  
density

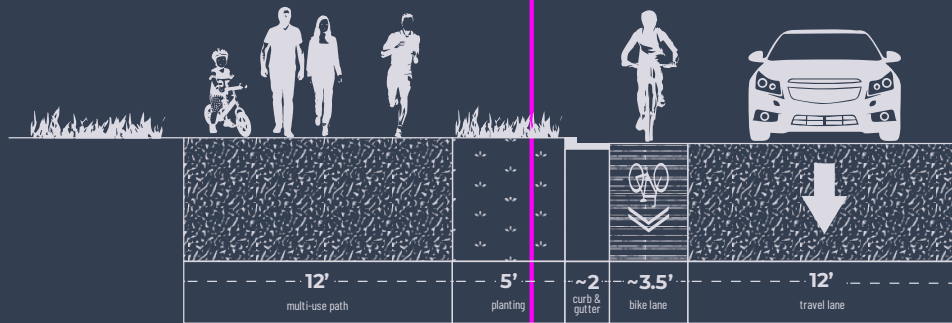
# ALTERNATIVES



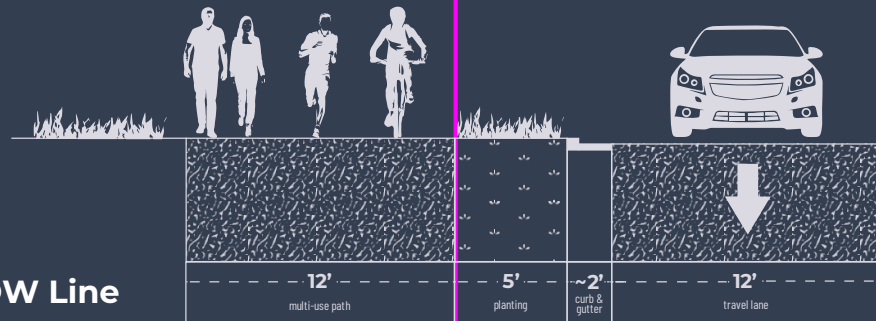
**ALT 1**  
5' Sidewalk



**ALT 2**  
8' Sidewalk



**ALT 3**  
Multi-Use Path  
+ Bike Lane



**ALT 4**  
Multi-Use Path,  
No Bike Lane

— ROW Line

A photograph of a construction site on a road. In the foreground, there are several orange and white striped traffic barrels. A concrete curb runs across the middle ground. In the background, a white truck is driving on the road, and other vehicles are visible. The scene is overlaid with a semi-transparent blue filter. The word "CHALLENGES" is written in large, bold, black letters across the center of the image.

# CHALLENGES

# RIGHT-OF-WAY



- Before 1962 Folly Road was two lanes with a 50' ROW, then SCDOT expanded to a ~70' ROW
- Generally 35' feet along the west side of Folly Road
  - 32.5' pavement
  - 1.5' curb & gutter
- Approximate cost of ROW purchase = \$40/sq ft

# UTILITIES/STORMWATER



- Utility poles are a major challenge along the corridor for each alternative
- There will not be a significant impact on below ground utilities
- Telephone pedestals, gas monuments, backflow preventers would need to be relocated
- Existing site drainage would be impacted for 3 businesses
- Eliminating existing bike lane requires upgrades to Folly Road drainage system

# MONUMENTS/SIGNAGE



- Most businesses along Folly Road have signs that are typically at ROW edge
- Signs are expensive and difficult to relocate
- Relocation Costs:
  - Monuments signs: \$10,000
  - Post signs: \$5,900
  - Traffic signs: \$500



# SEGMENT 1

*Ellis Creek to Prescott Street*

## *Areas of Interest*



# SEGMENT 1

*Ellis Creek to Prescott Street*

*Doctor's Care*





# 5' Sidewalk

*Doctor's Care*



Existing Conditions



5' Sidewalk

ALT  
**2**

**8' Sidewalk**

*Doctor's Care*



Existing Conditions



8' Sidewalk

ALT  
**3**

# Multi-Use Path + Bike Lane

*Doctor's Care*



Existing Conditions



Multi-Use Path + Bike Lane



# Multi-Use Path, No Bike Lane

*Doctor's Care*



Existing Conditions



Multi-Use Path, No Bike Lane

# SEGMENT 1

*Ellis Creek to Prescott Street*

*Live Oak Tree*





# 5' Sidewalk

*Live Oak Tree*



Existing Conditions



5' Sidewalk



ALT  
**2**

**8' Sidewalk**

*Live Oak Tree*



Existing Conditions



8' Sidewalk

ALT  
**3**

# Multi-Use Path + Bike Lane

*Live Oak Tree*



Existing Conditions



Multi-Use Path + Bike Lane



# Multi-Use Path, No Bike Lane

*Live Oak Tree*



Existing Conditions



Multi-Use Path, No Bike Lane

# SEGMENT 1

*Ellis Creek to Prescott Street*

## *Roadside Seafood*





# 5' Sidewalk

# *Roadside Seafood*



Existing Conditions



5' Sidewalk

ALT  
**2**

**8' Sidewalk**

*Roadside Seafood*



Existing Conditions



8' Sidewalk

ALT  
**3**

**Multi-Use Path + Bike Lane**

*Roadside Seafood*



Existing Conditions



Multi-Use Path + Bike Lane



# Multi-Use Path, No Bike Lane

*Roadside Seafood*



Existing Conditions



Multi-Use Path, No Bike Lane



# SEGMENT 1

*Ellis Creek to Prescott Street*

# *Sumter's Landing*





# 5' Sidewalk

*Sumter's Landing*



Existing Conditions



5' Sidewalk

ALT  
**2**

**8' Sidewalk**

*Sumter's Landing*



Existing Conditions



8' Sidewalk

ALT  
**3**

# Multi-Use Path + Bike Lane

*Sumter's Landing*



Existing Conditions



Multi-Use Path + Bike Lane



# Multi-Use Path, No Bike Lane

*Sumter's Landing*



Existing Conditions

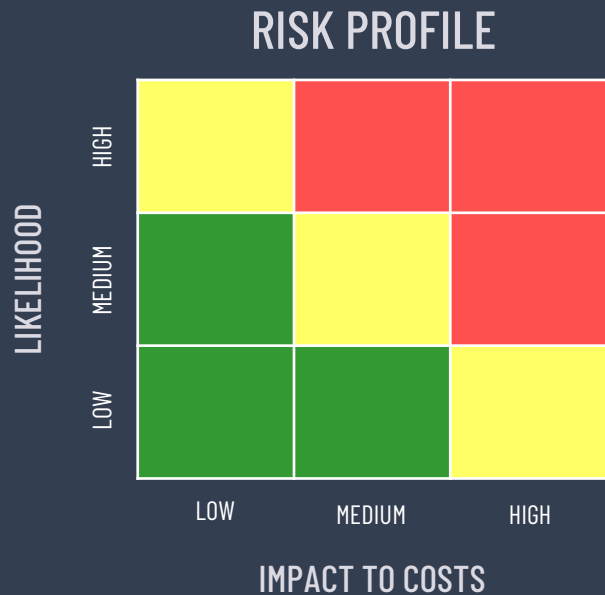


Multi-Use Path, No Bike Lane

# DECISION MATRIX

## SEGMENT 1

*Ellis Creek to Prescott Street*



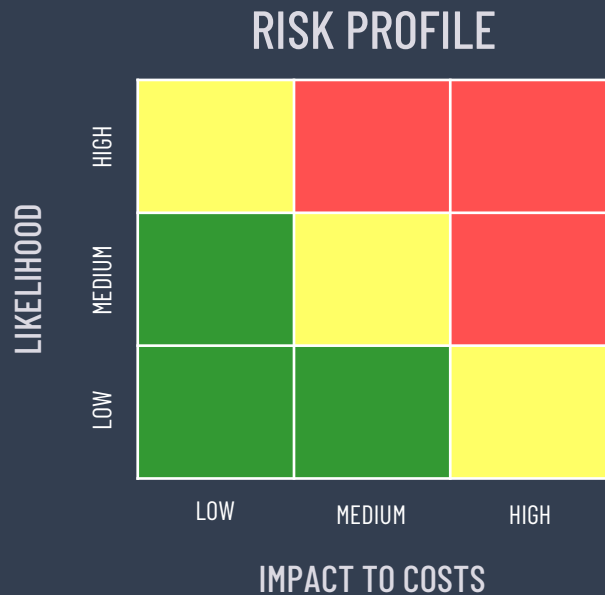
## CHALLENGE

		ROW	UTILITIES/ STORMWATER	MONUMENTS/ SIGNAGE	COST ESTIMATE
<b>ALT 1</b>	5' Sidewalk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>ALT 2</b>	8' Sidewalk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>ALT 3</b>	Multi-Use Path + Bike Lane	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>ALT 4</b>	Multi-Use Path No Bike Lane	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

# DECISION MATRIX

## SEGMENT 1

*Ellis Creek to Prescott Street*



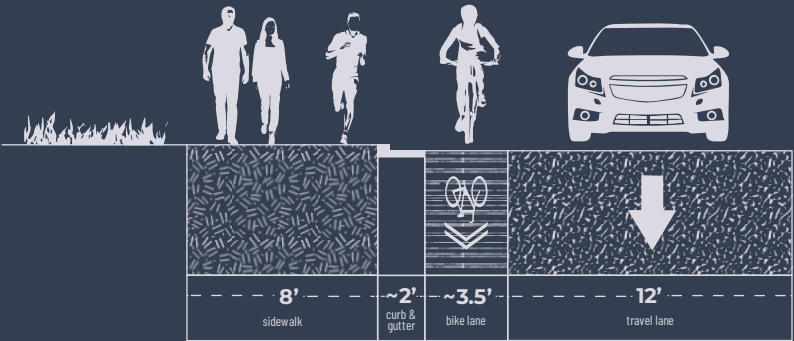
### CHALLENGE

		ROW	UTILITIES/ STORMWATER	MONUMENTS/ SIGNAGE	COST ESTIMATE
<b>ALT 1</b>	5' Sidewalk				\$ 978,162
<b>ALT 2</b>	8' Sidewalk				\$ 1,425,196
<b>ALT 3</b>	Multi-Use Path + Bike Lane				\$ 3,294,520
<b>ALT 4</b>	Multi-Use Path No Bike Lane				\$ 4,006,201

# RECOMMENDATION

ALT  
**2**

## 8' Sidewalk







# REVEER GROUP

engineering • design • innovation