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**MEMORANDUM**

**To:** Mayor and City Council

**From:** Michael Smith, Public Works Director

**Date:** August 22, 2022

**Subject:** **Bikeway Policy Discussion**

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**SUMMARY**

Staff will present information and best practices for designing bikeways to facilitate a discussion on policies to implement for future projects.



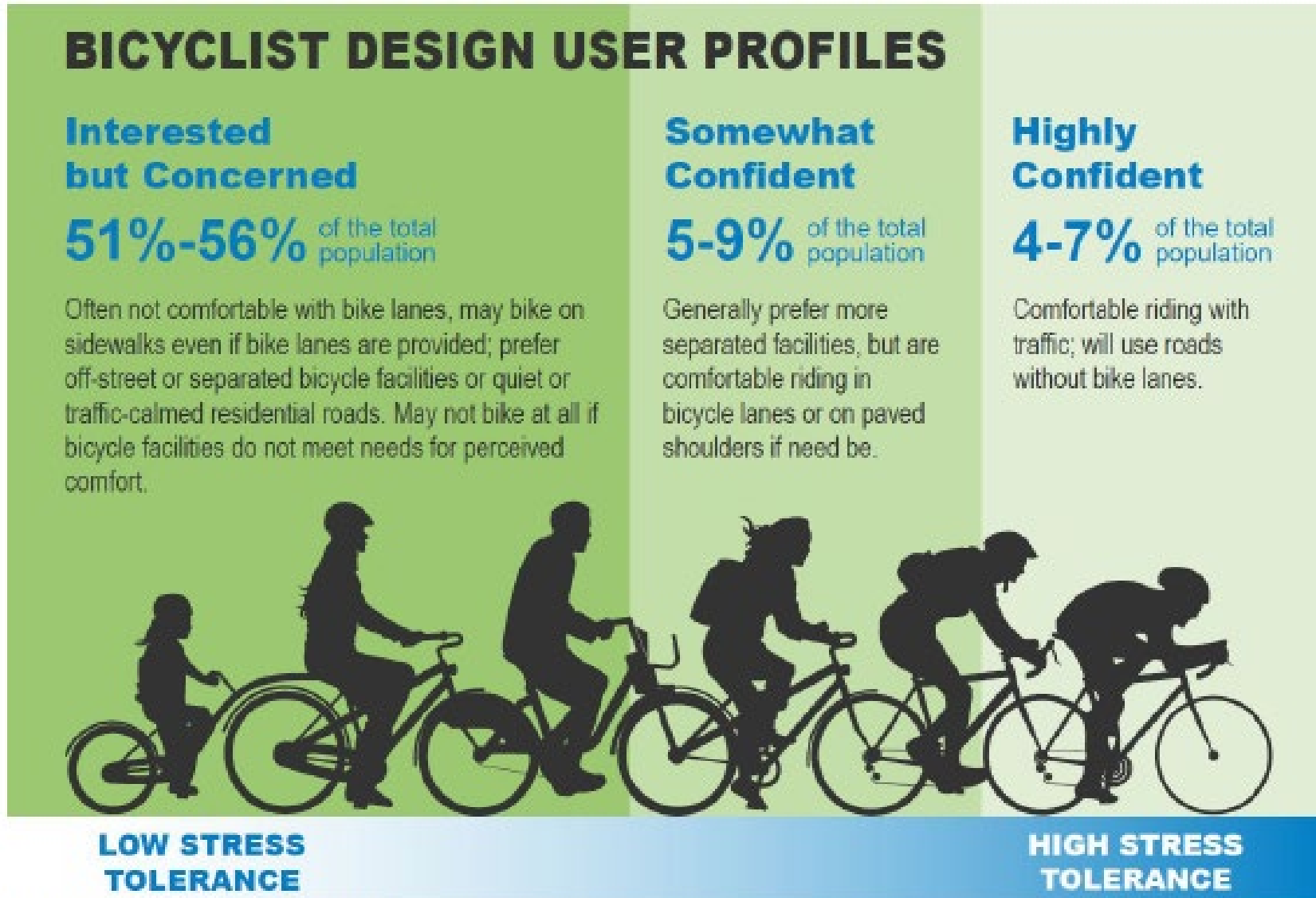
# City of Dunwoody Georgia

## Bikeway Policy Discussion

August 22, 2022

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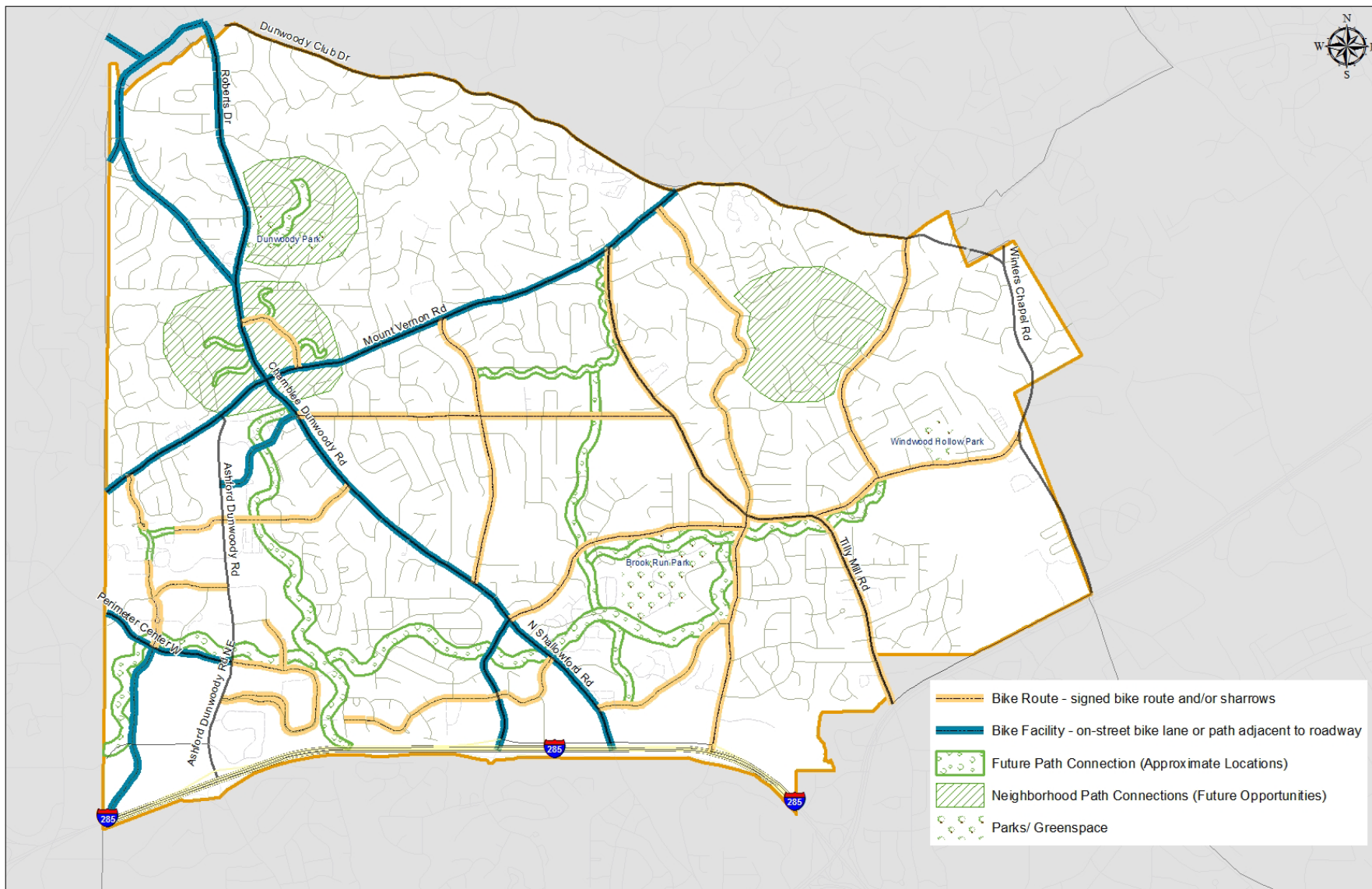
Figure 6: Bicyclist Design User Profiles



Note: the percentages above reflect only adults who have stated an interest in bicycling.

Source: Dill, D. and N. McNeil, Transportation Research Record 2587, 2016

# 2011 Transportation Plan-Bicycle Recommendations



# Existing Bike Lanes

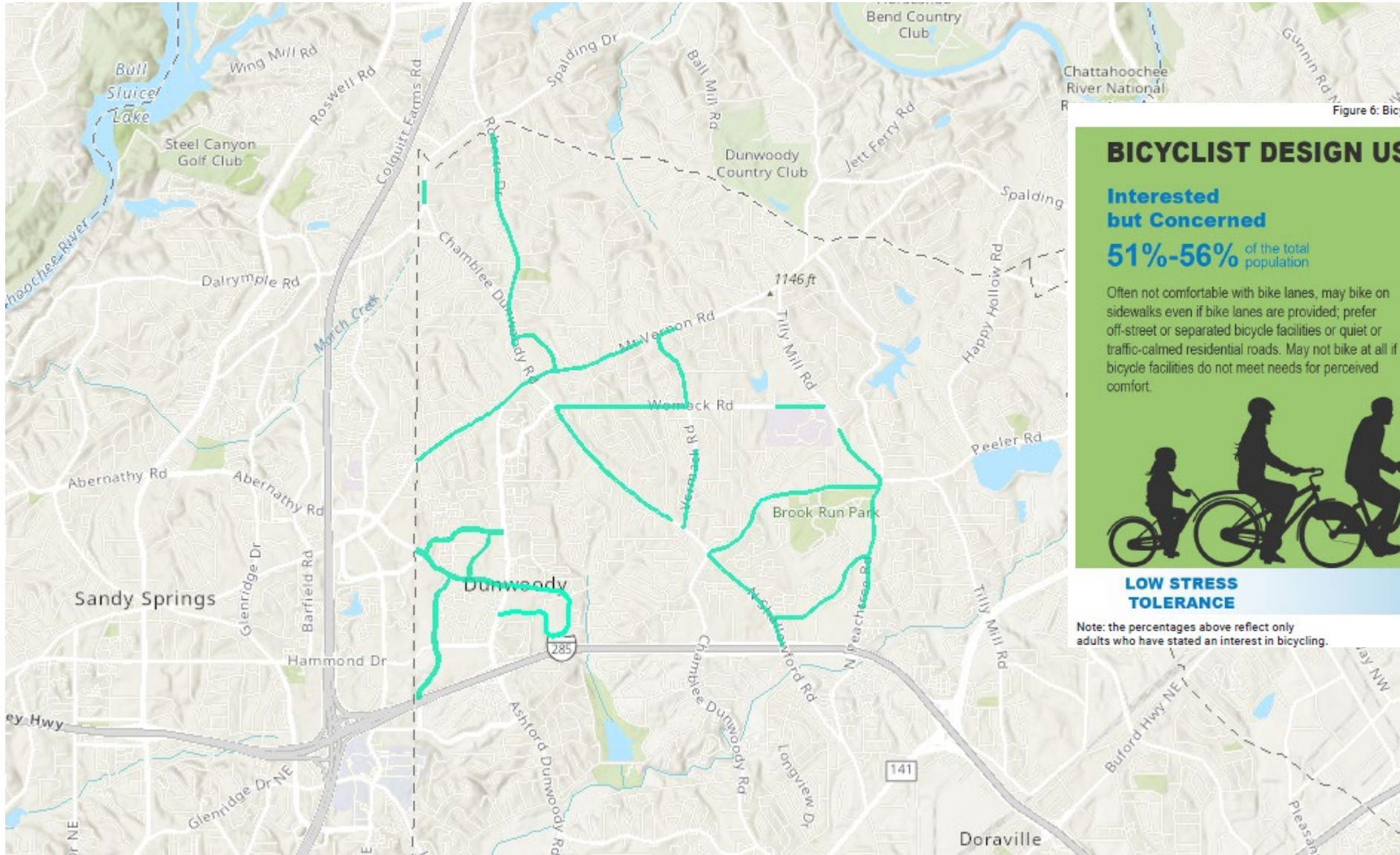


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### BICYCLIST DESIGN USER PROFILES

Interested but Concerned	Somewhat Confident	Highly Confident
<b>51%-56%</b> of the total population	<b>5-9%</b> of the total population	<b>4-7%</b> of the total population
Often not comfortable with bike lanes, may bike on sidewalks even if bike lanes are provided; prefer off-street or separated bicycle facilities or quiet or traffic-calmed residential roads. May not bike at all if bicycle facilities do not meet needs for perceived comfort.	Generally prefer more separated facilities, but are comfortable riding in bicycle lanes or on paved shoulders if need be.	Comfortable riding with traffic; will use roads without bike lanes.
<b>LOW STRESS TOLERANCE</b>		<b>HIGH STRESS TOLERANCE</b>

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# Existing Bike Lanes and Shared-Use Paths

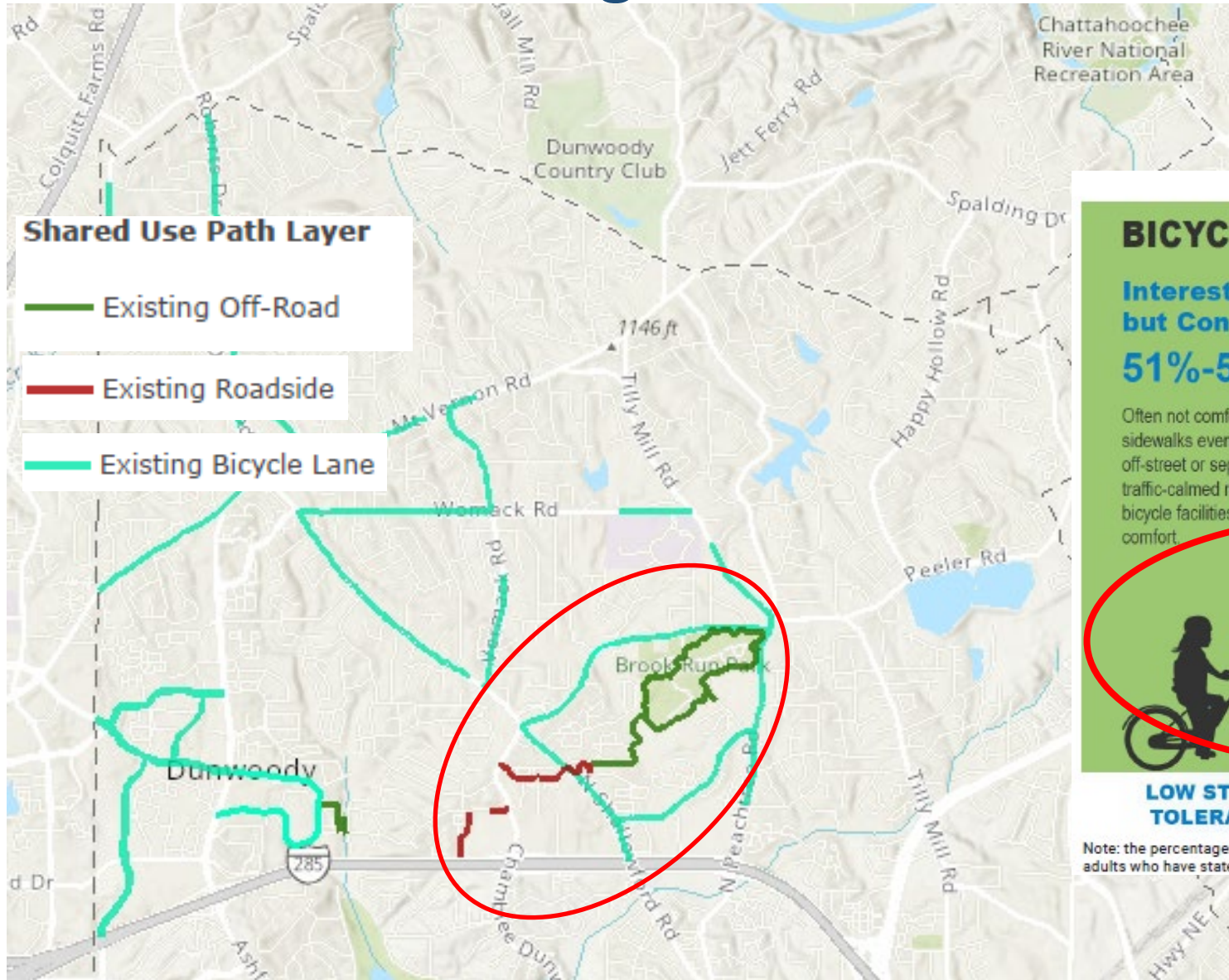
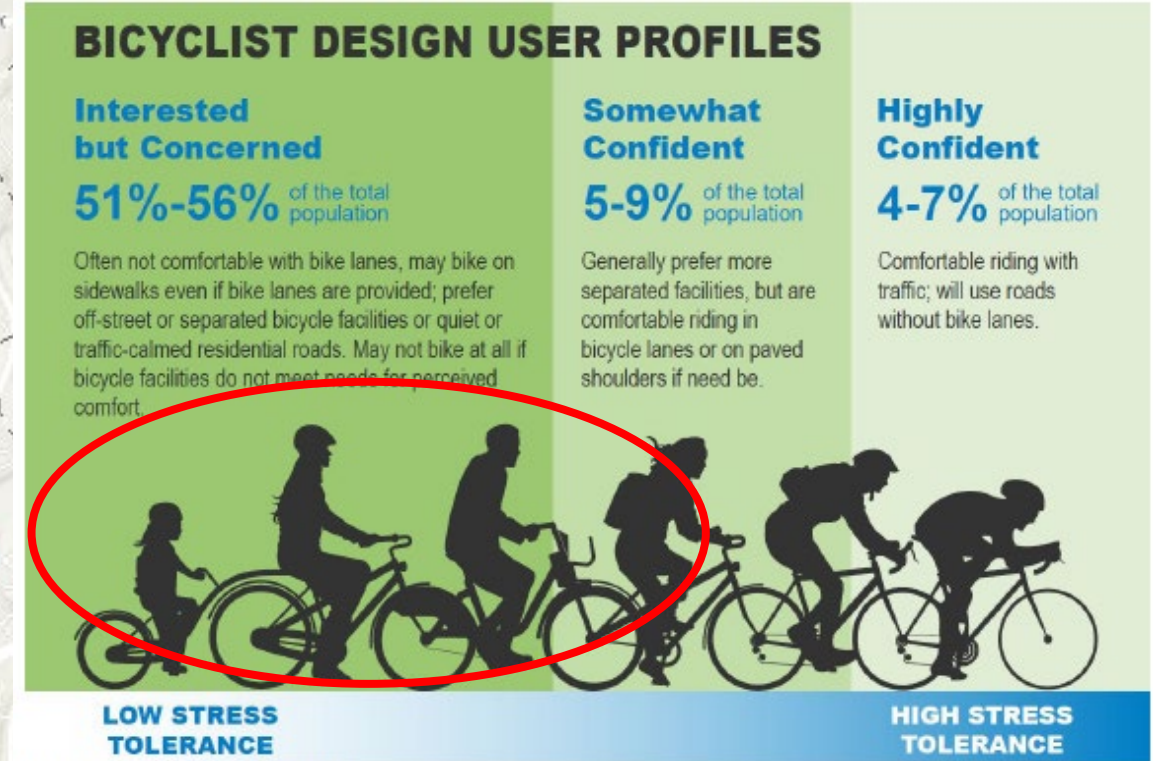


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# Where are the priority routes for the target rider?

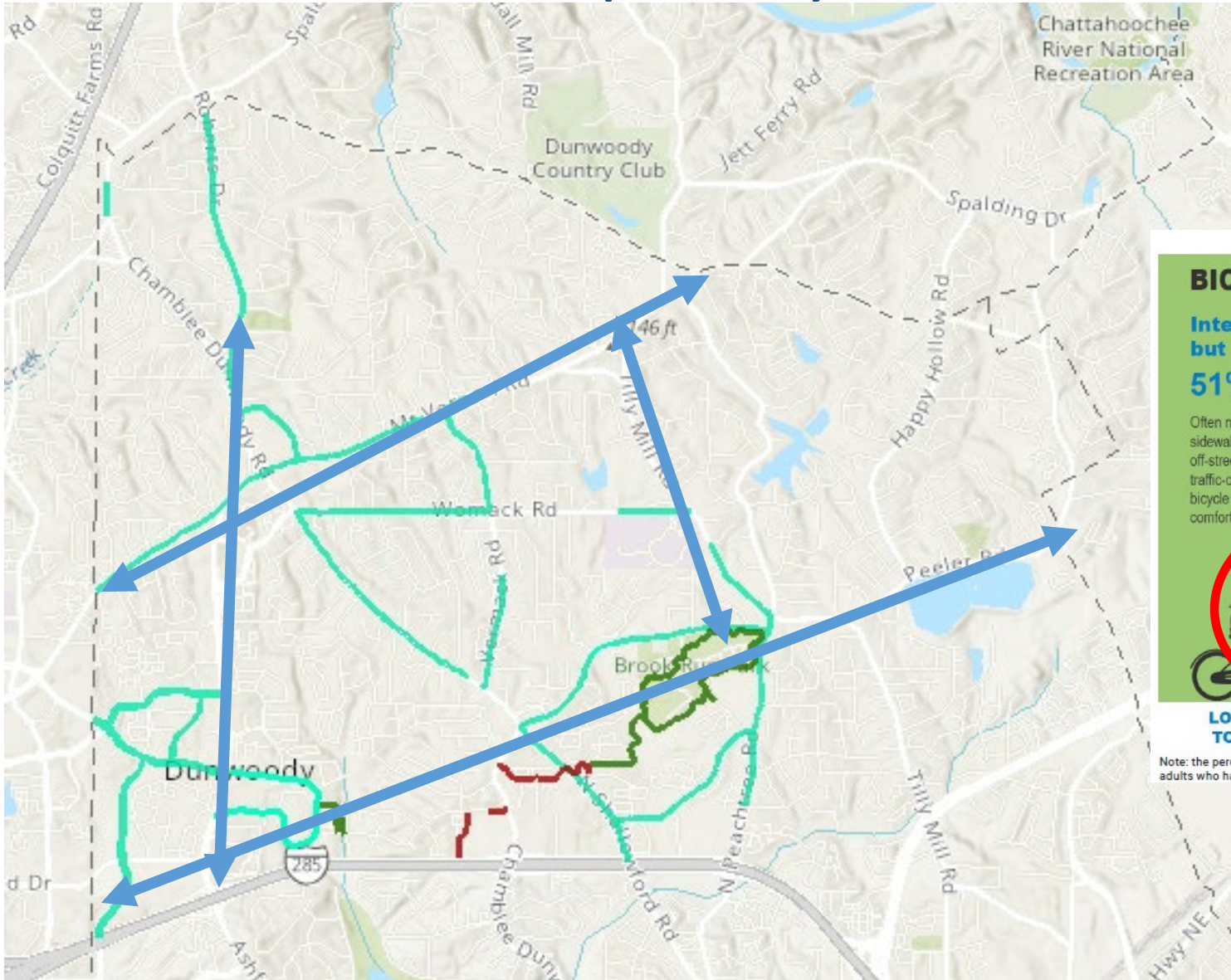
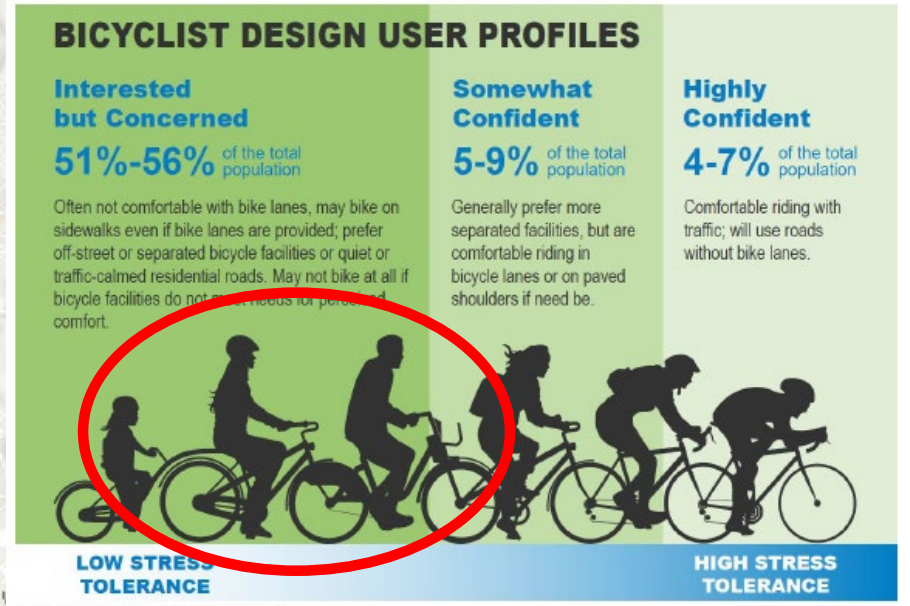
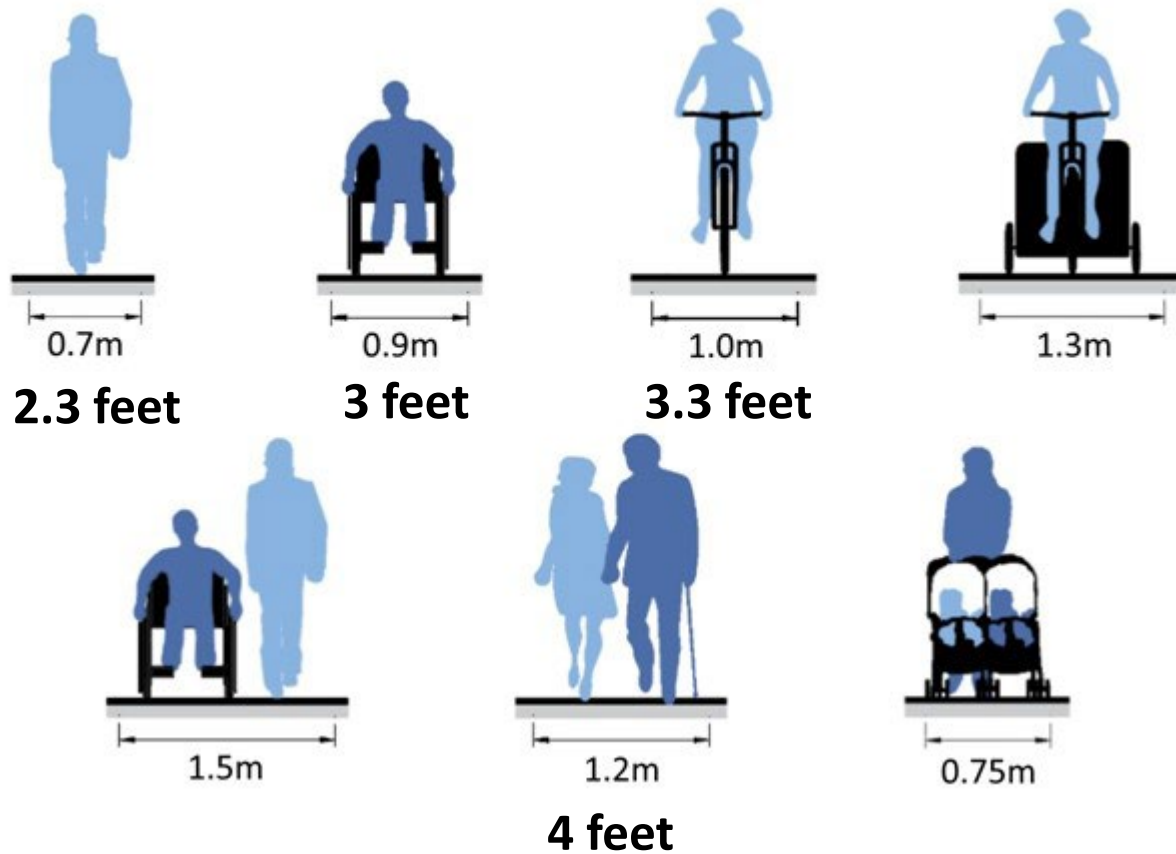


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# Why are There Minimum Path Widths?



Scenario	Minimum Width One-Way
Two People Walking Side by Side or passing	4 feet
Bicycle riding in one direction	4 feet
Bicycle passing a pedestrian	6 feet
Two bicycles passing each other or bicycle passing someone in wheelchair	7 feet

Source: Sustran.org, U.K.



# Minimum Accommodation Shared 6' Sidewalk/One-Way Path

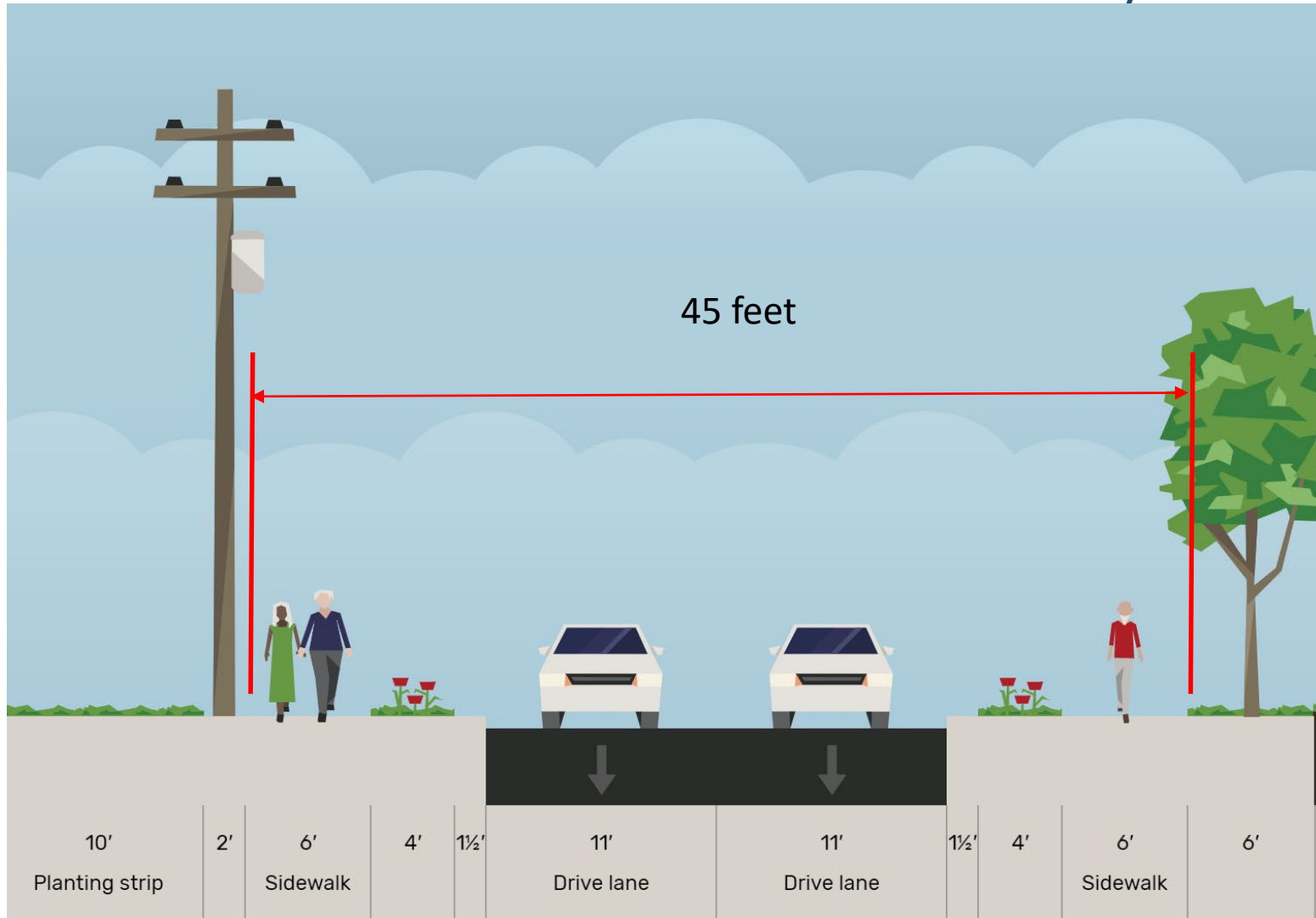
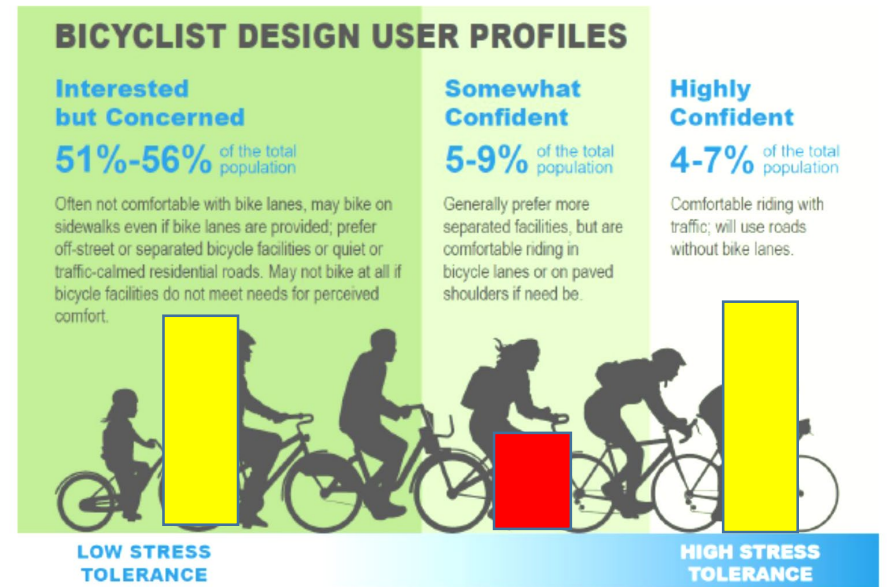


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# Designing for “Interested but Concerned” Riders 8’ Wide Sidewalk/One-Way Path

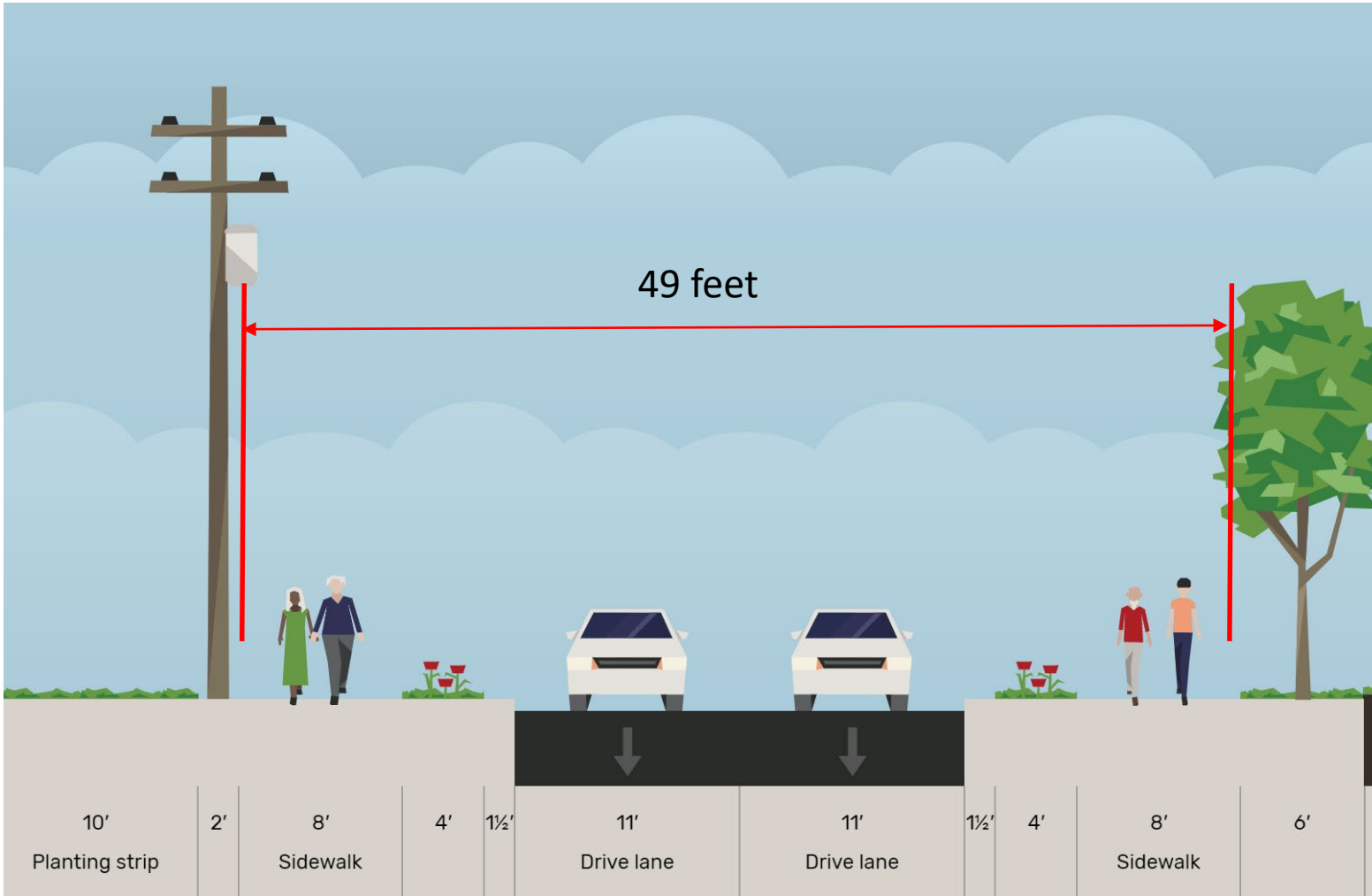
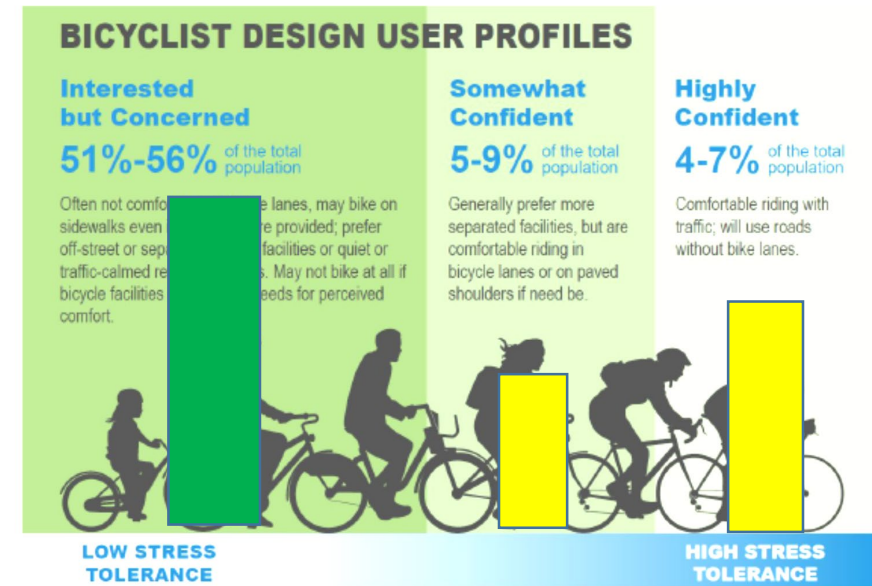


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# Two-Way Path Option Where Driveways are Less Frequent

## Shared-Use Path on One Side with Sidewalk on Opposite Side

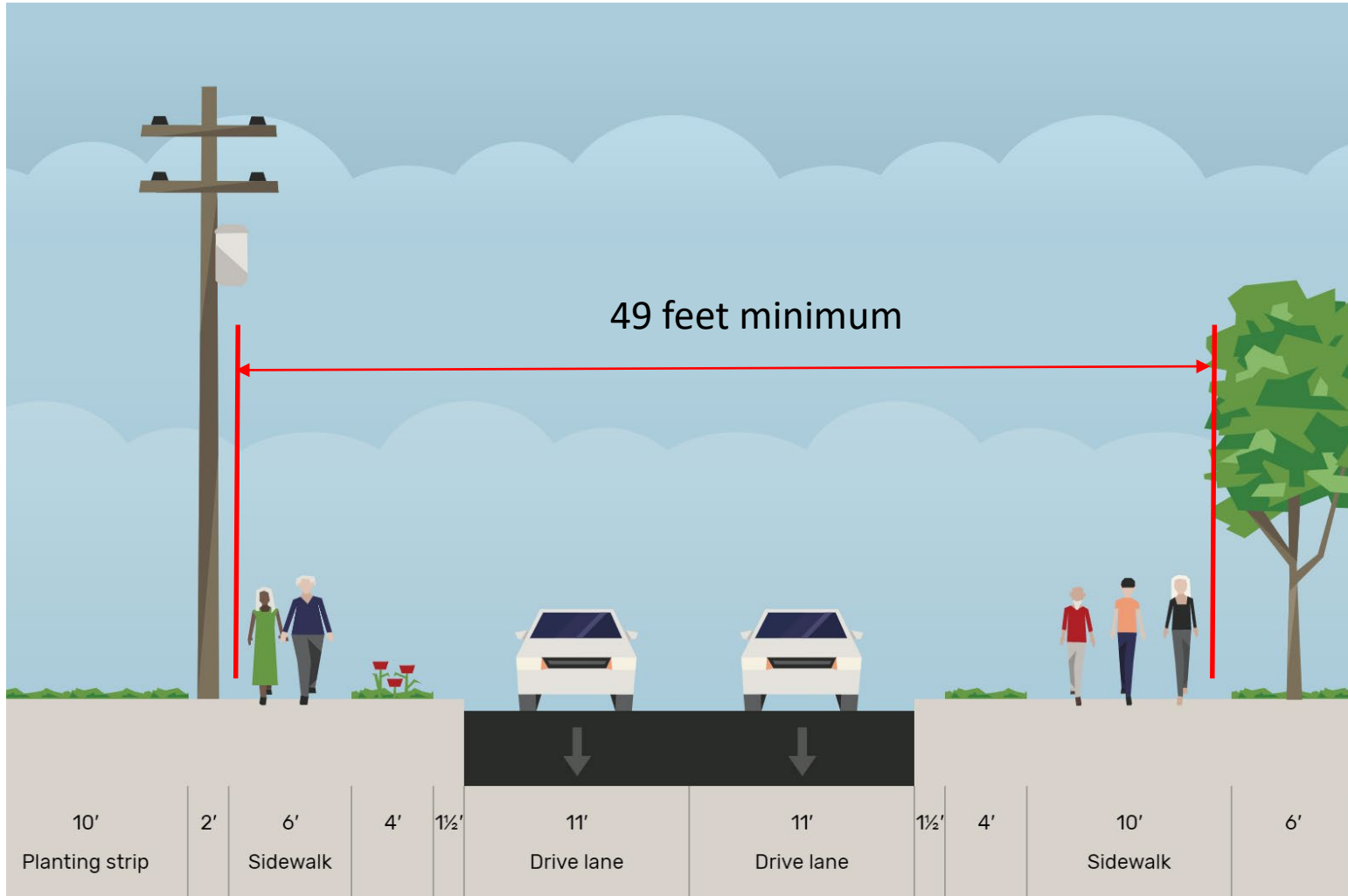
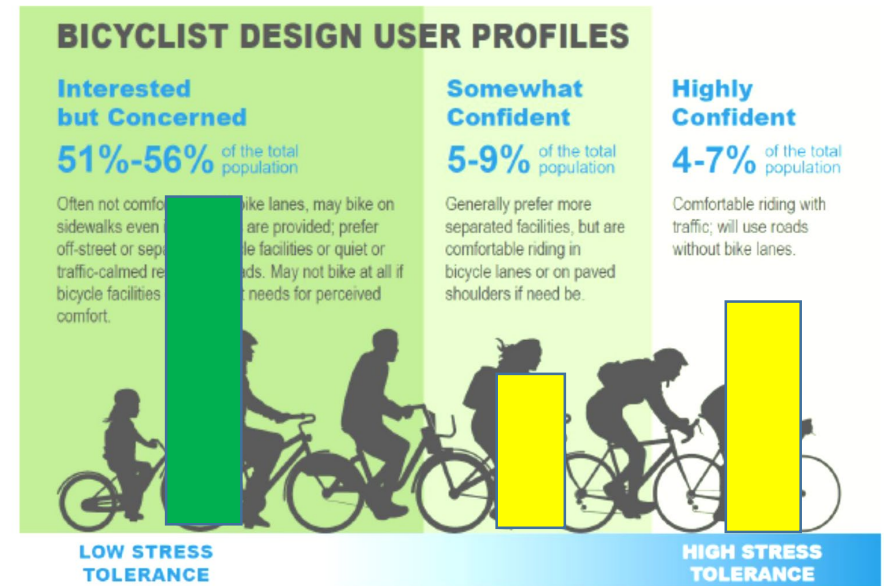


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# Designing for Both Ends of the Spectrum

## Bike Lanes and Wide Sidewalks/One-Way Paths

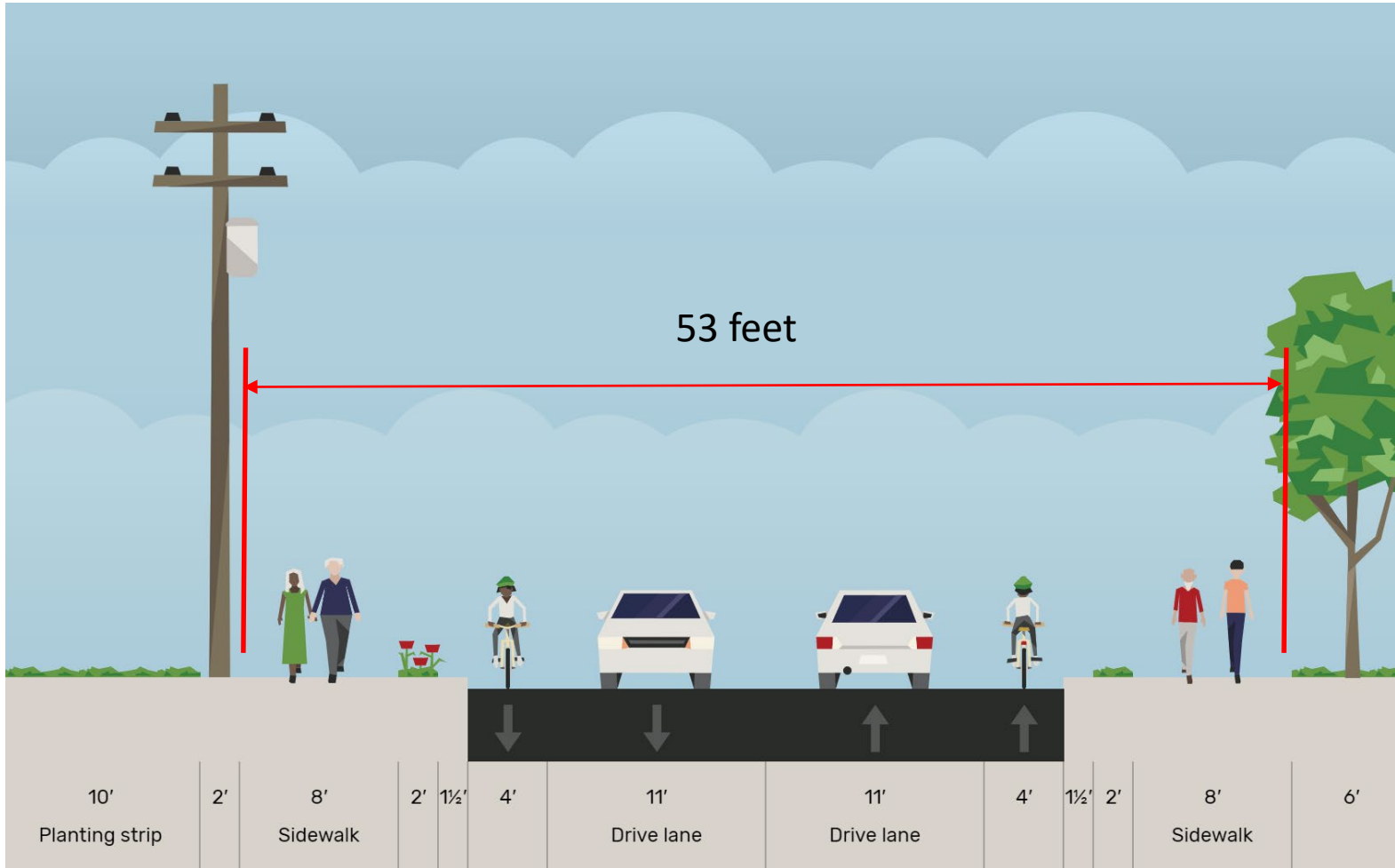
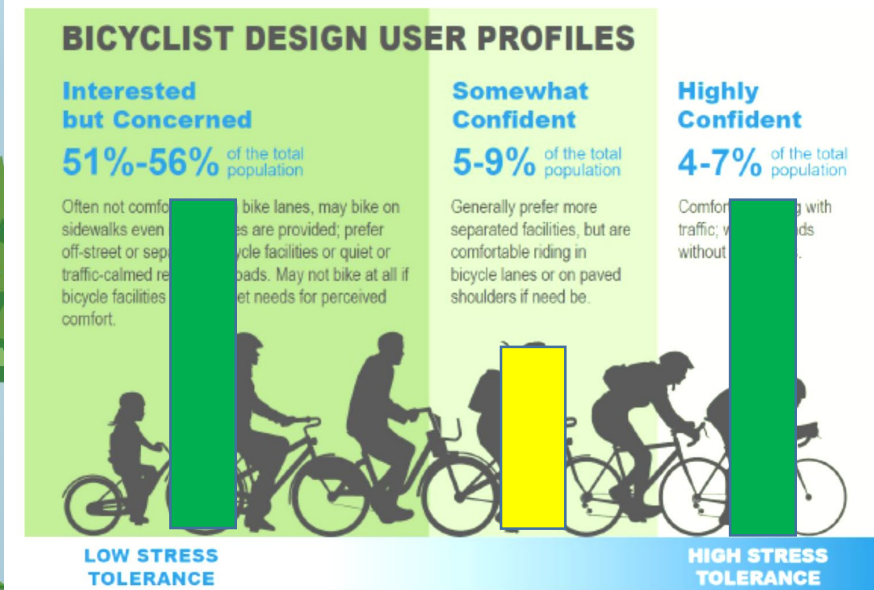


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# Designing for All Types of Riders

## Buffered Bike Lanes and Wider Sidewalks/One-Way Paths

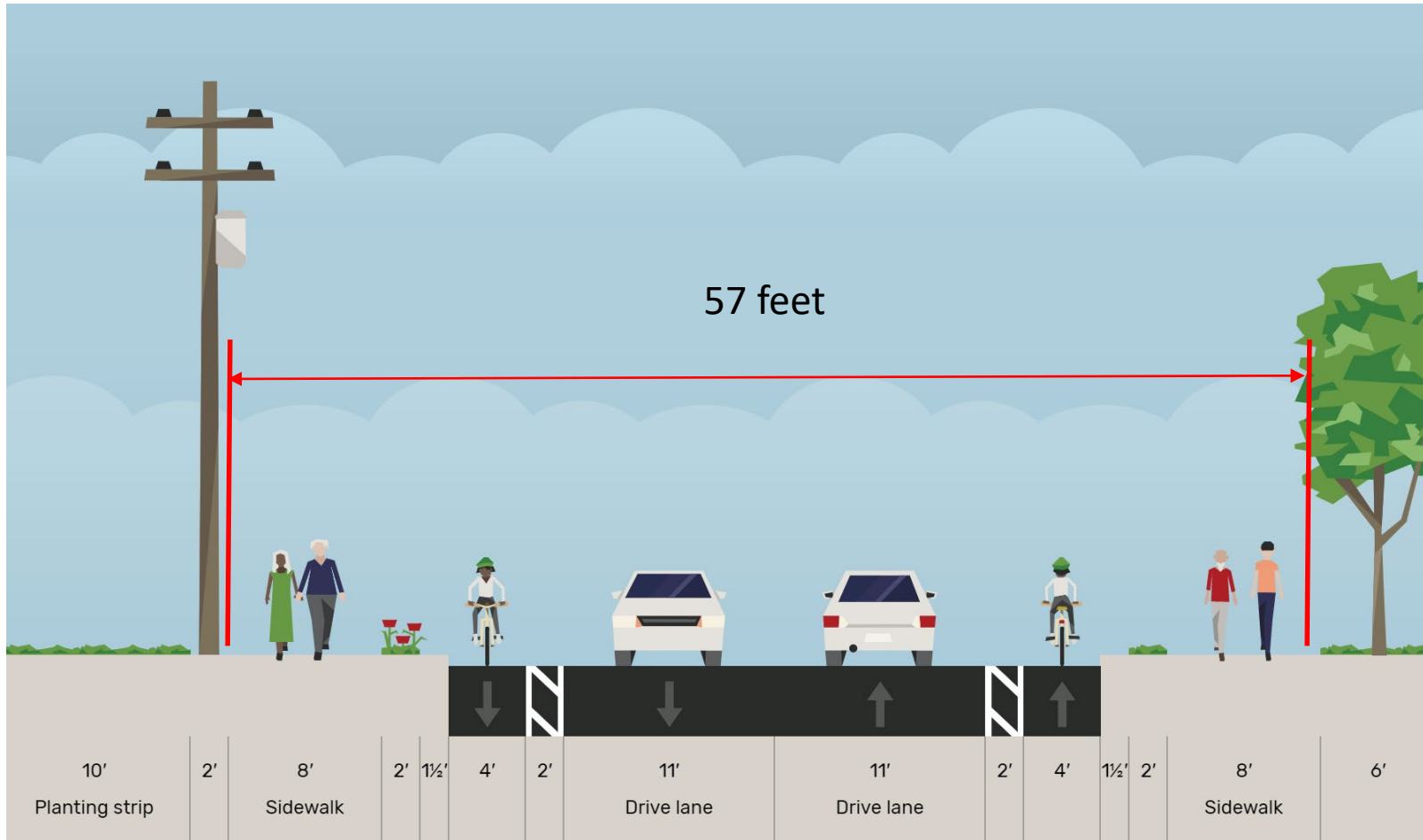
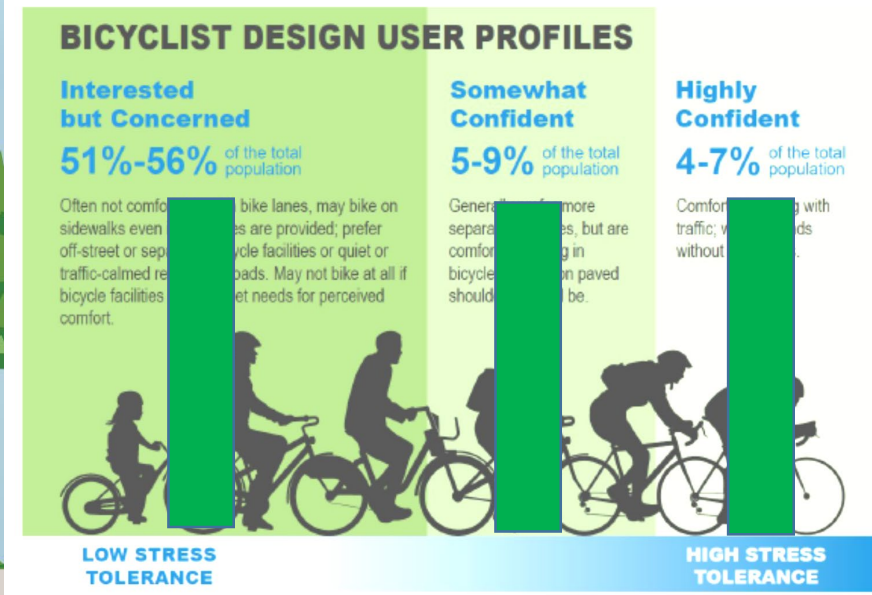


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BIKEWAY SELECTION GUIDE | 4. BIKEWAY SELECTION

Figure 9: Preferred Bikeway Type for Urban, Urban Core, Suburban and Rural Town Contexts

