

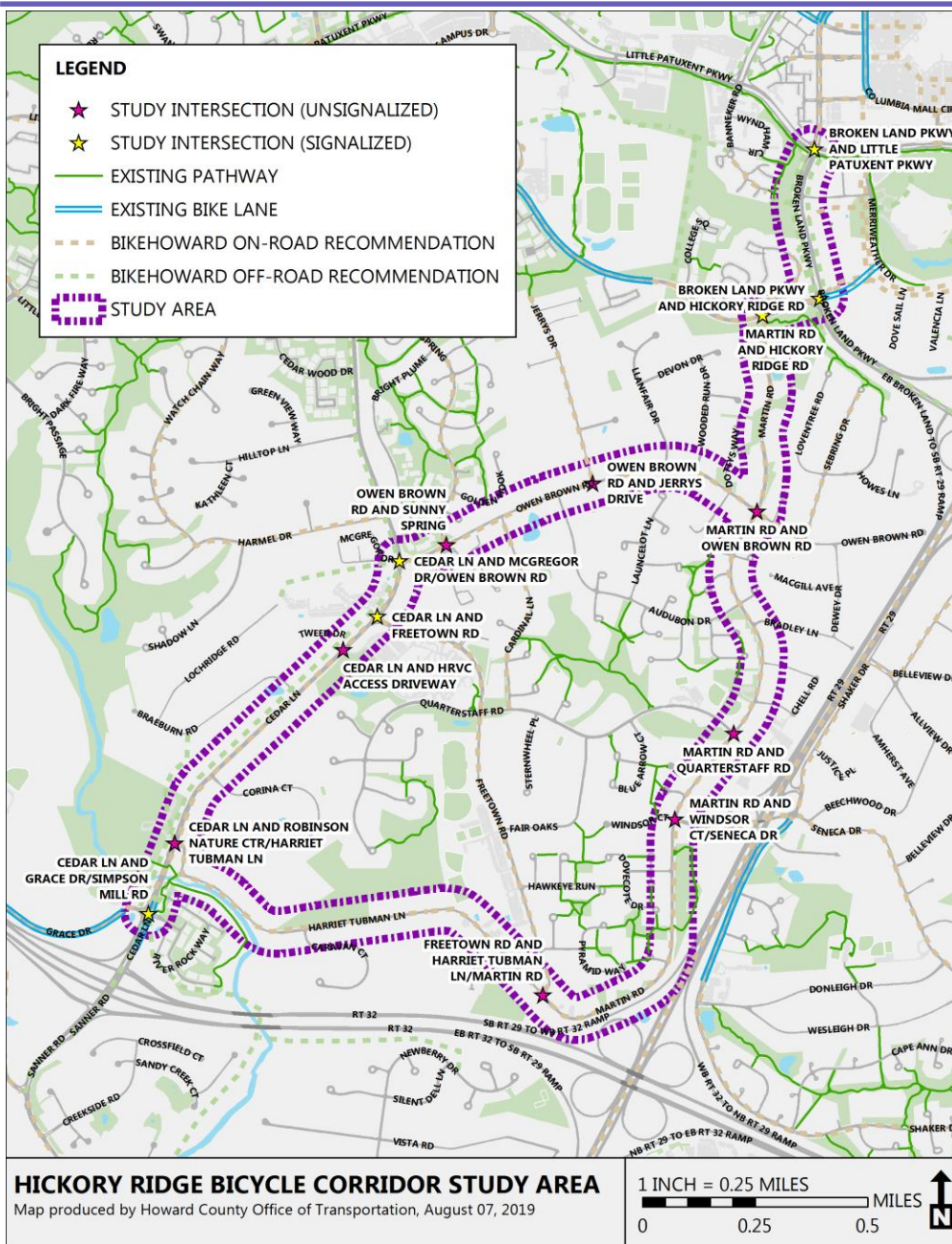
Presentation to
Hickory Ridge Village Board
September 3, 2019

Chris Eatough – Bicycle and Pedestrian Coordinator
Albert Guiney Engel – Transportation Planner
Howard County Office of Transportation

Study Purpose

Identify a preferred route for continuous bicycle facilities to connect existing bike lanes on Grace Drive (providing access from River Hill and points west) to Hickory Ridge, Downtown Columbia and the rest of the Columbia pathway system and bike network.





Study Area

Broken Land Parkway

Little Patuxent Pkwy to Hickory Ridge Rd

Hickory Ridge Road

Broken Land Pkwy to Martin Rd

Martin Road

Hickory Ridge Rd to Freetown Rd

Owen Brown Road

Martin Rd to Cedar Ln

Cedar Lane

Owen Brown Rd to Grace Dr

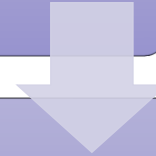
Harriet Tubman Lane

Freetown Rd to Cedar Ln

Anticipated Schedule

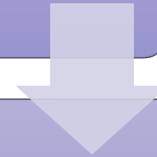
Data Gathering: August-September 2019

- Public Input Survey Open until September 15
- Field Observations



Technical Assessment: October-December 2019

- Level of Traffic Stress Analysis
- Environmental Analysis



Concept Development: January-February 2020

- Concept Sketches
- Tree, Right-of-Way, and Stormwater Impacts
- Compliance with Best Practices



Study Conclusion: March 2020

- Report Development
- Public Presentation

Level of Traffic Stress

Mekuria, Maaza C., Peter G. Furth, and Hilary Nixon. "Low-stress bicycling and network connectivity." (2012).



Level of Traffic Stress (LTS) 1

- The level that most children can tolerate.

Level of Traffic Stress (LTS) 2

- The level that will be tolerated by the mainstream adult population.

Level of Traffic Stress (LTS) 3

- The level tolerated by American cyclists who are "enthused and confident" but still prefer having their own dedicated space for riding.

Level of Traffic Stress (LTS) 4

- A level tolerated only by those characterized as "strong and fearless."



1. For the segment shown, please rank the following four factors in order of importance to your level of stress while bicycling on the road segment.

<input type="text"/>	Vehicle Speed	<input type="checkbox"/> N/A
<input type="text"/>	Traffic Congestion	<input type="checkbox"/> N/A
<input type="text"/>	Topography (i.e. hills)	<input type="checkbox"/> N/A
<input type="text"/>	"Close passes" by vehicles	<input type="checkbox"/> N/A

2. How do you usually bicycle between the Hickory Ridge/Broken Land Parkway intersection and the Downtown Columbia Trail?

☐ In the lane on Broken Land Parkway

☐ On the sidewalk along Broken Land Parkway

☐ Via Hickory Ridge Road Extended and the Merriweather Drive Pathway

☐ I do not bicycle in this area

☐ Other (please specify)

3. For you, how stressful is bicycling along this segment?

1 (Not Stressful)

4 (Highly Stressful)

Online Survey Goals

- Identify primary stressors for each road segment
- Develop average reported stress for each segment
- Determine preferred routes in two locations:
 - Broken Land Pkwy/ Merriweather Dr
 - Cedar Lane/ Simpson Mill Pathway
- Gather email addresses for project mailing list

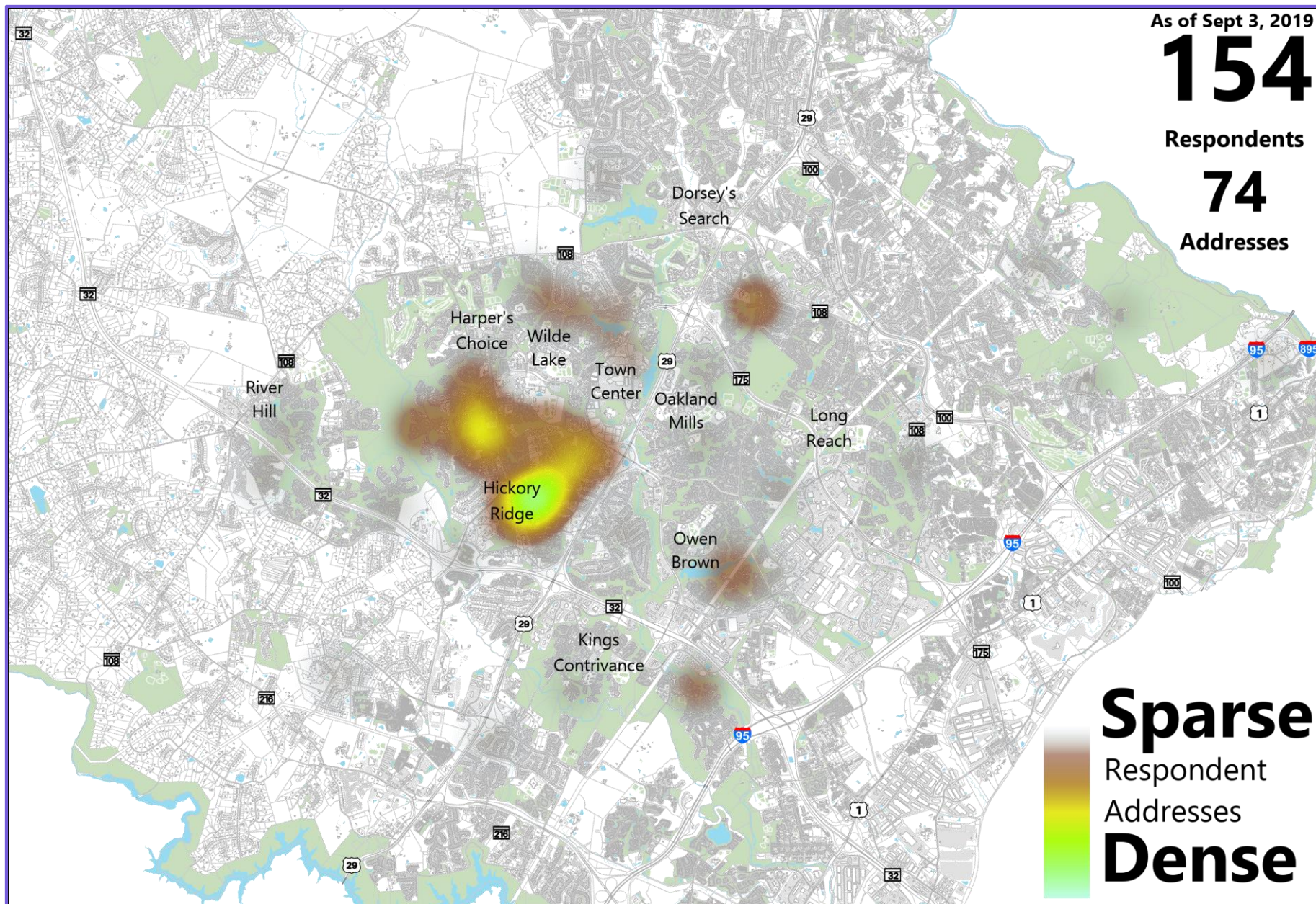
As of Sept 3, 2019

154

Respondents

74

Addresses



Sparse
Respondent
Addresses
Dense

Anticipated Report

Brief, graphical concept report including:

- Study process and identified concerns
- Existing conditions and concept plan
- Summary of public input
- Planning-level cost estimates and proposed project phasing





Questions?

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