



**TOWN OF CARRBORO**  
NORTH CAROLINA

**TRANSMITTAL****PLANNING DEPARTMENT**

**DELIVERED VIA:**  *HAND*  *MAIL*  *FAX*  *EMAIL*

**To:** David Andrews, Town Manager  
Mayor and Town Council

**From:** Zachary Hallock, Transportation Planner

**Date:** December 1, 2020

**Subject:** Orange County Transit Plan Update - Capital Projects

**Summary**

In the Fall of 2020, Orange County began a process to update the Orange County Transit Plan, which is funded by four dedicated Tax District Revenue Streams. Previous Transit Plan Updates have had a call for capital projects, where municipalities can submit potential projects for funding. While this has not yet happened, staff wish to be ready for this opportunity and have developed a list of existing and potential projects for Town Council to consider. This memo outlines the current funding status, transit routes accessed, proximity of residential and non-residential addresses, proximity of schools, racial demographics, and high level cost estimates for nine different projects. The first table below describes the accessibility metrics and the second table shows the racial demographic data for each project.

**Accessibility metrics for previously funded and potential future OCTP projects**

#	Project Name	Status	Transit Routes Accessed	Length (mi)	Residential Addresses within 1/4 mi	Non-residential Addresses within 1/4 mi	School within 1/2 mile?
1	S Greensboro Sidewalk	Funded - Under Design	F, CW, J, CM, 405	0.63	925	283	FPG Elementary
2	Estes Drive Corridor Study and Bike-Ped Infrastructure	Funded	F, N	0.43	862	9	Carrboro Elementary
3	West Main Street Sidewalk	Funded	F, CW, J, 405	0.08	424	116	Carrboro Elementary
4	NC 54 HAWK @ Westbrook Dr	Funded - Option 1	J, CM	0.03	1095	2	None
5	NC 54 HAWK @ Abbey Ln	Funded - Option 2	J, CM	0.03	724	4	FPG Elementary
6	Old Fayetteville Road Sidewalk	Funded - No Year Specified	F, CW, CM	0.20	270	42	None
7	203 Project Transit Connector SUP	New Project	F, CW, J, 405	0.07	399	299	Community School for People Under 6
8	Baldwin Park Connector SUP	New Project	A	0.07	603	99	Northside Elementary

**Demographics for previously funded and potential future OCTP funded projects**

#	Project Name	1/4 Mile Demographics - Non Hispanic/Latino (2018 ACS)							Hispanic /Latino
		Black	Asian	White	Native America	Hawaiian or Other Pacific	Other	2 or More	
1	S Greensboro Sidewalk	15.5%	4.1%	55.4%	0.1%	0.0%	0.0%	5.0%	19.9%
2	Estes Drive Corridor Study and Bike-Ped Infrastructure	15.5%	1.6%	73.6%	0.5%	0.0%	0.2%	2.2%	6.4%
3	West Main Street Sidewalk	3.2%	4.9%	73.7%	0.6%	0.0%	0.2%	5.8%	11.6%
4	NC 54 HAWK @ Westbrook Dr	8.6%	29.4%	40.9%	0.0%	0.0%	0.0%	3.4%	17.7%
5	NC 54 HAWK @ Abbey Ln	8.7%	20.4%	44.5%	0.0%	0.0%	0.0%	4.3%	22.1%
6	Old Fayetteville Road Sidewalk	17.0%	8.5%	65.2%	0.8%	0.0%	0.2%	4.3%	4.0%
7	203 Project Transit Connector SUP	18.5%	2.9%	58.6%	0.0%	0.0%	0.0%	5.1%	14.9%
8	Baldwin Park Connector SUP	21.8%	6.9%	64.6%	0.0%	0.0%	0.0%	2.5%	4.2%

**#1: South Greensboro Street Sidewalk**  
Current Transit Plan Capital Project

Relevant Plans/Funding Sources:

- Capital Improvements Program
- Town Sidewalk Policy (west side)
- Safe Routes to School Action Plan (both sides)
- Federal STP-DA (Surface Transportation Program Direct Apportionment) funds

Transit Route Access:

- Chapel Hill Transit: J, F, HS, CW, CM
- GoTriangle: 405

Cost Estimate: ~\$1.2 Million

Project Length: ~0.63 Miles

Walking Service Area:

Category	#
Residential addresses w/in ¼ mile	925
Non-Residential addresses w/in ¼ mile	283

Demographics – 2018 ACS

1/4 Mile Demographics - Non Hispanic/Latino (2018 ACS)							Hispanic/Latino
Black	Asian	White	Native American	Hawaiian or Other Pacific Islander	Other	2 or More	
15.5%	1.6%	73.6%	0.5%	0.0%	0.2%	2.2%	6.4%

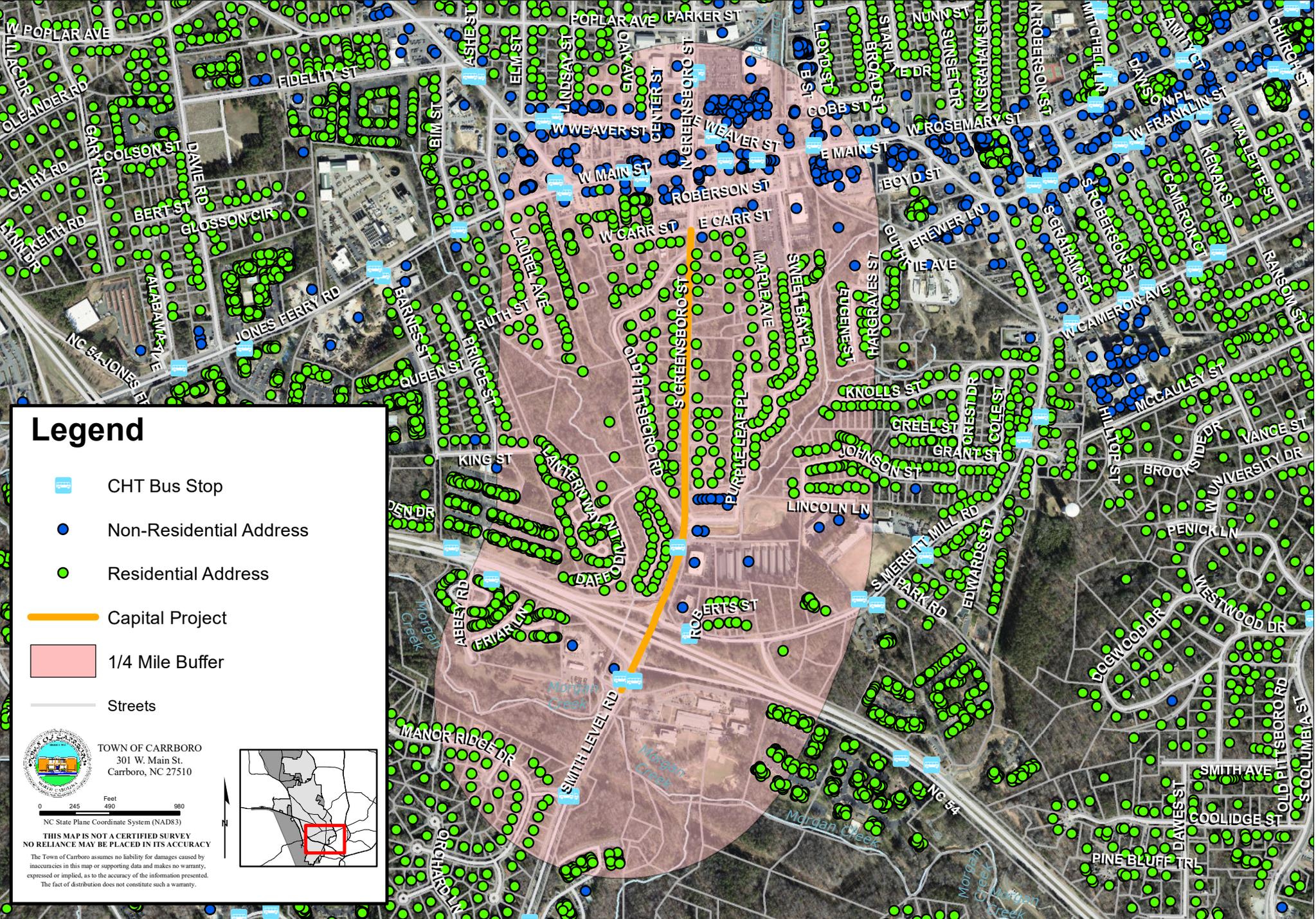
Opportunities

- Neighbor support
- Resident awareness or ROW impacts and desire to coordinate
- School within ½ mile: FPG Elementary
- Consider additional pavement marking modifications to install bike lanes from the roundabout to the Bridge over Morgan Creek as part of NCDOT resurfacing in 2021.

Challenges

- Topography
- Drainage
- Right of Way
- Utilities

# Transit Capital Project - S Greensboro St Sidewalk

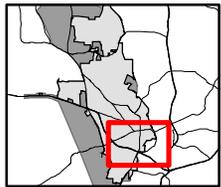


## Legend

-  CHT Bus Stop
-  Non-Residential Address
-  Residential Address
-  Capital Project
-  1/4 Mile Buffer
-  Streets

 TOWN OF CARRBORO  
301 W. Main St.  
Carrboro, NC 27510

0 245 490 980 Feet  
NC State Plane Coordinate System (NAD83)  
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**Estes Drive Corridor Study and Bike-Ped  
Current Transit Plan Capital Project**

Relevant Plans/Funding Sources:

- Capital Improvements Program
- Town Sidewalk Policy (east side)
- Safe Routes to School Action Plan
- Updated Bicycle Plan

Transit Route Access:

- Chapel Hill Transit: F, N

Cost Estimate (with Corridor Study): ~\$1.0 Millon

Project Length: ~0.43 Miles

Walking Service Area:

<b>Category</b>	<b>#</b>
Residential addresses w/in ¼ mile	862
Non-Residential addresses w/in ¼ mile	9

Demographics – 2018 ACS

<b>1/4 Mile Demographics - Non Hispanic/Latino (2018 ACS)</b>							<b>Hispanic/Latino</b>
<b>Black</b>	<b>Asian</b>	<b>White</b>	<b>Native American</b>	<b>Hawaiian or Other Pacific Islander</b>	<b>Other</b>	<b>2 or More</b>	
3.2%	4.9%	73.7%	0.6%	0.0%	0.2%	5.8%	11.6%

Opportunities

- Connectivity from Wilson Park
- School within ½ mile: Carrboro Elementary
- Connectivity and coordination with Chapel Hill

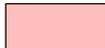
Challenges

- Topography
- Right of Way
- Utilities

# Transit Capital Project - Estes Drive Bike-Ped

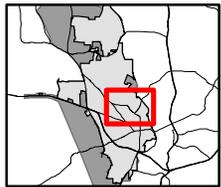


## Legend

-  CHT Bus Stop
-  Non-Residential Address
-  Residential Address
-  Capital Project
-  1/4 Mile Buffer
-  Streets

 TOWN OF CARRBORO  
301 W. Main St.  
Carrboro, NC 27510

0 195 390 780  
Feet  
NC State Plane Coordinate System (NAD83)  
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**#3: W Main Street Sidewalk – Poplar Ave. to Fidelity St.**  
 Current Transit Project Capital Project

Relevant Plans/Funding Sources:

- Capital Improvements Program
- Town Sidewalk Policy
- Safe Routes to School Action Plan

Transit Route Access:

- Chapel Hill Transit: F, J, CW
- GoTriangle: 405

Cost Estimate: \$265,000

Project Length: ~0.08 Miles

Walking Service Area:

Category	#
Residential addresses w/in ¼ mile	424
Non-Residential addresses w/in ¼ mile	116

Demographics – 2018 ACS

1/4 Mile Demographics - Non Hispanic/Latino (2018 ACS)							Hispanic/Latino
Black	Asian	White	Native American	Hawaiian or Other Pacific Islander	Other	2 or More	
3.2%	4.9%	73.7%	0.6%	0.0%	0.2%	5.8%	11.6%

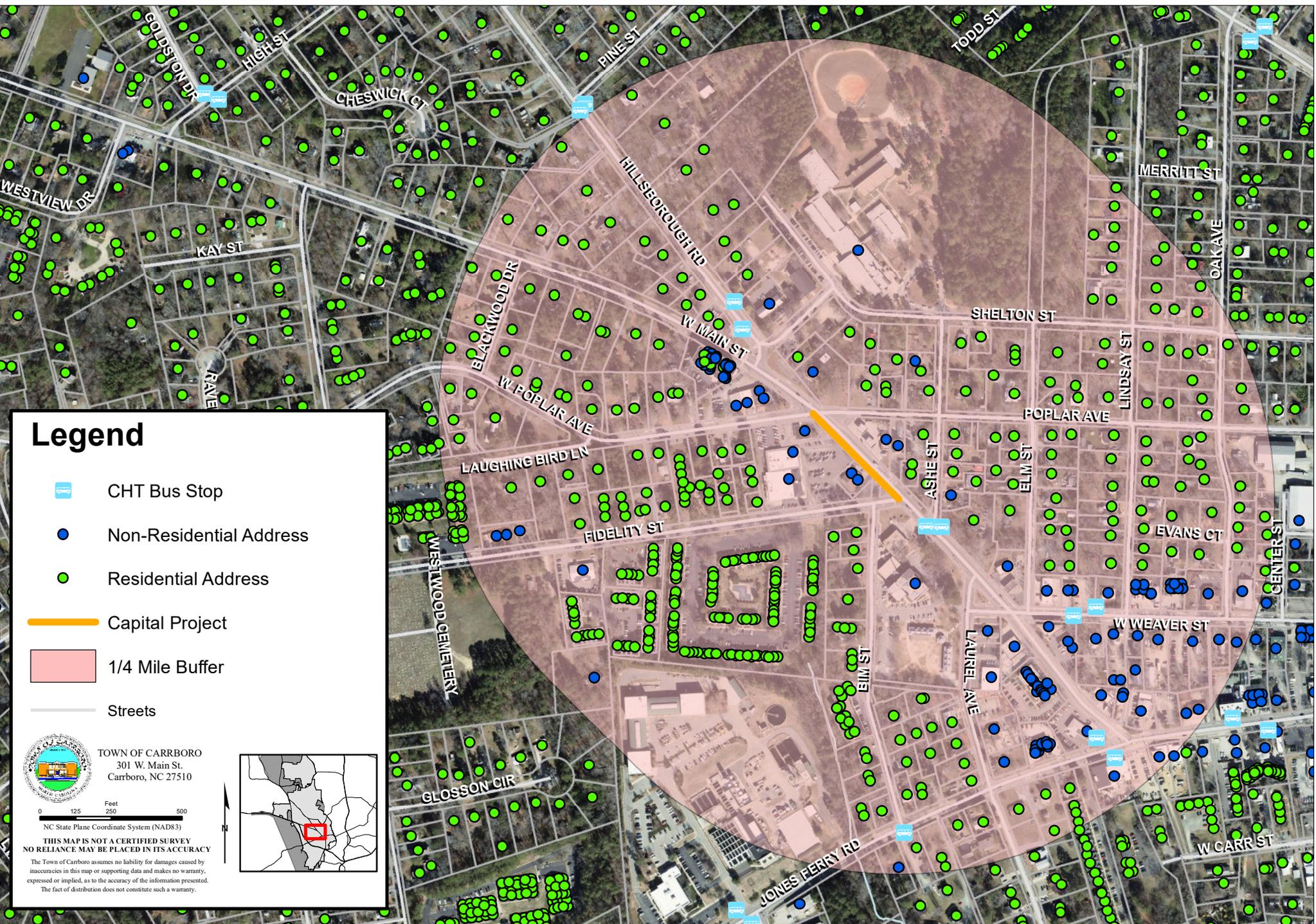
Opportunities

- Complete sidewalk along W Main St
- School within ½ mile: Carrboro Elementary

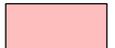
Challenges

- Right of Way
- Utilities

# Transit Capital Project - W Main St Sidewalk

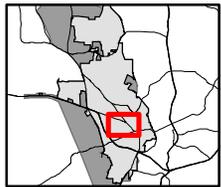


## Legend

-  CHT Bus Stop
-  Non-Residential Address
-  Residential Address
-  Capital Project
-  1/4 Mile Buffer
-  Streets

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301 W. Main St.  
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0 125 250 500 Feet  
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**#4: NC 54 HAWK – At Westbrook Drive**  
Current Transit Project Capital Project

Relevant Plans/Funding Sources:

- Capital Improvements Program
- Updated Bicycle Plan
- NC 54 Bike-Ped Safety Study

Transit Route Access:

- Chapel Hill Transit: J, CM

Cost Estimate: \$150,000

Project Length: ~0.03 Miles

Walking Service Area:

Category	#
Residential addresses w/in ¼ mile	1095
Non-Residential addresses w/in ¼ mile	2

Demographics – 2018 ACS

1/4 Mile Demographics - Non Hispanic/Latino (2018 ACS)							Hispanic/Latino
Black	Asian	White	Native American	Hawaiian or Other Pacific Islander	Other	2 or More	
8.6%	29.4%	40.9%	0.0%	0.0%	0.0%	3.4%	17.7%

Opportunities

- Provide connectivity for apartments along NC 54
- Coordination with NCDOT to submit for Highway Safety Improvement Program funds

Challenges

- High vehicle speeds and volumes
- Topography north and south of NC 54
- Current Transit Plan only has funding for one crossing

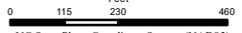


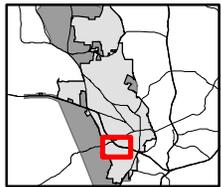
### Legend

-  CHT Bus Stop
-  Non-Residential Address
-  Residential Address
-  Capital Project
-  1/4 Mile Buffer
-  Streets



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**#5: NC 54 HAWK – At Abbey Lane**  
Current Transit Project Capital Project

Relevant Plans/Funding Sources:

- Capital Improvements Program
- Updated Bicycle Plan
- NC 54 Bike-Ped Safety Study

Transit Route Access:

- Chapel Hill Transit: J, CM

Cost Estimate: \$150,000

Project Length: ~0.03 Miles

Walking Service Area:

<b>Category</b>	<b>#</b>
Residential addresses w/in ¼ mile	724
Non-Residential addresses w/in ¼ mile	4

Demographics – 2018 ACS

<b>1/4 Mile Demographics - Non Hispanic/Latino (2018 ACS)</b>							<b>Hispanic/Latino</b>
<b>Black</b>	<b>Asian</b>	<b>White</b>	<b>Native American</b>	<b>Hawaiian or Other Pacific Islander</b>	<b>Other</b>	<b>2 or More</b>	
8.7%	20.4%	44.5%	0.0%	0.0%	0.0%	4.3%	22.1%

Opportunities

- Provide connectivity for apartments along NC 54
- Coordination with NCDOT to submit for Highway Safety Improvement Program funds
- Provide connectivity to future Morgan Creek Greenway
- School within ½ mile: FPG Elementary

Challenges

- High vehicle speeds and volumes
- Topography north and south of NC 54
- Current Transit Plan only has funding for one crossing

# Transit Capital Project - NC 54 HAWK @ Abbey Ln

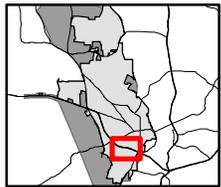


## Legend

-  CHT Bus Stop
-  Non-Residential Address
-  Residential Address
-  Capital Project
-  1/4 Mile Buffer
-  Streets

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0 115 230 460 Feet  
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**#6: Old Fayetteville Road Sidewalk**  
Current Transit Project Capital Project

Relevant Plans/Funding Sources:

- Safe Routes to School Action Plan
- Sidewalk Policy (east side)

Transit Route Access:

- Chapel Hill Transit: F, CW, CM

Cost Estimate: \$325,000

Project Length: ~0.20 Miles

Walking Service Area:

<b>Category</b>	<b>#</b>
Residential addresses w/in ¼ mile	270
Non-Residential addresses w/in ¼ mile	42

Demographics – 2018 ACS

<b>1/4 Mile Demographics - Non Hispanic/Latino (2018 ACS)</b>							<b>Hispanic/Latino</b>
<b>Black</b>	<b>Asian</b>	<b>White</b>	<b>Native American</b>	<b>Hawaiian or Other Pacific Islander</b>	<b>Other</b>	<b>2 or More</b>	
17.0%	8.5%	65.2%	0.8%	0.0%	0.2%	4.3%	4.0%

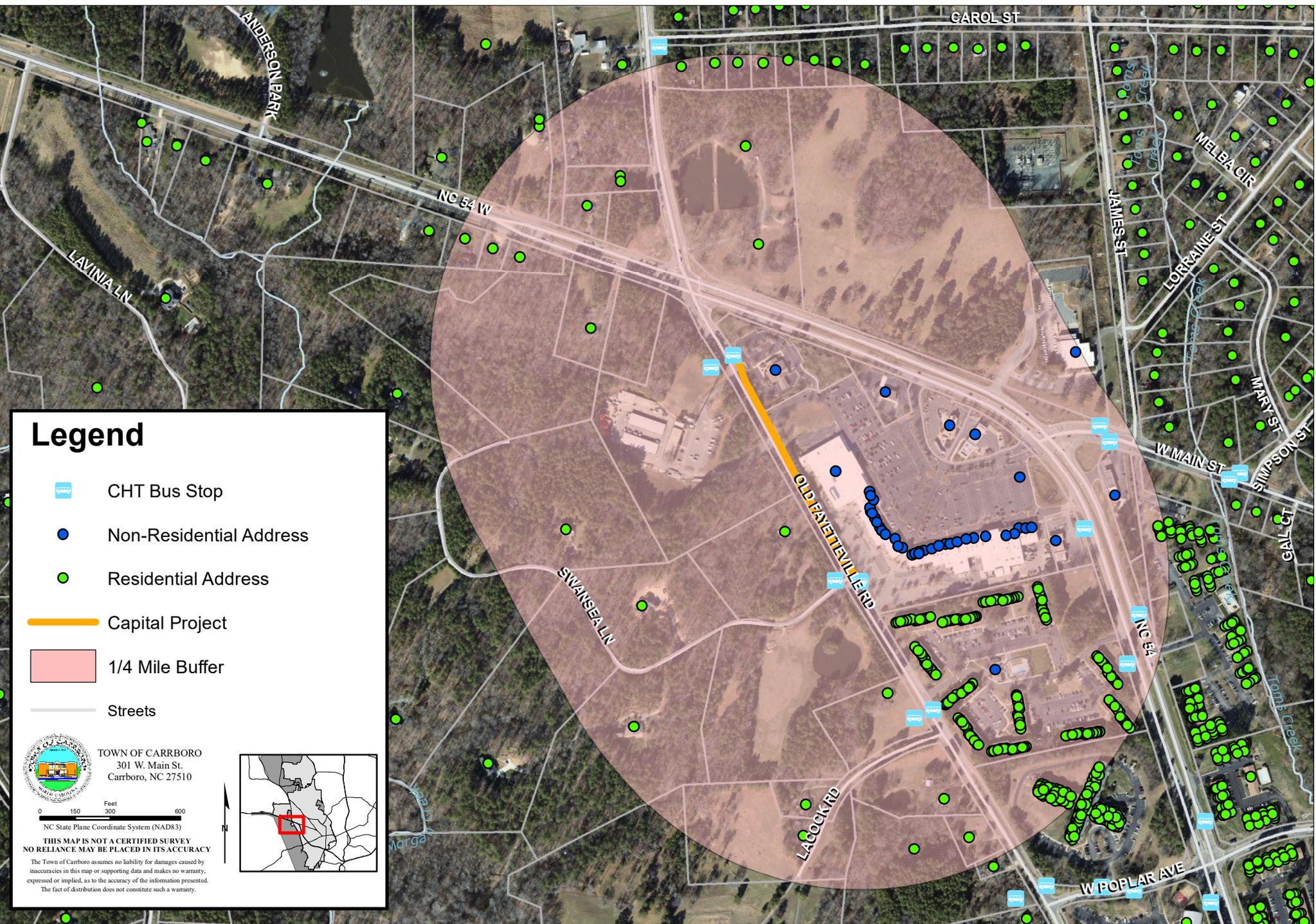
Opportunities

- Complete 3 mile long stretch of sidewalk along Old Fayetteville

Challenges

- Limited potential to drive transit ridership (connects between existing bus stops)

# Transit Capital Project - Old Fayetteville Rd Sidewalk

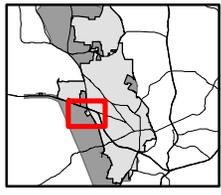


## Legend

-  CHT Bus Stop
-  Non-Residential Address
-  Residential Address
-  Capital Project
-  1/4 Mile Buffer
-  Streets

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0 150 300 600 Feet  
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**#7: 203 Project Transit Connector – Shared Use Path**  
 Potential Transit Capital Project

Relevant Plans/Funding Sources:

- 203 Project

Transit Route Access:

- Chapel Hill Transit: F, J ,CW
- GoTriangle: 405

Cost Estimate: \$170,000

Project Length: ~0.07 Miles

Walking Service Area:

<b>Category</b>	<b>#</b>
Residential addresses w/in ¼ mile	399
Non-Residential addresses w/in ¼ mile	299

Demographics – 2018 ACS

<b>1/4 Mile Demographics - Non Hispanic/Latino (2018 ACS)</b>							<b>Hispanic/Latino</b>
<b>Black</b>	<b>Asian</b>	<b>White</b>	<b>Native American</b>	<b>Hawaiian or Other Pacific Islander</b>	<b>Other</b>	<b>2 or More</b>	
18.5%	2.9%	58.6%	0.0%	0.0%	0.0%	5.1%	14.9%

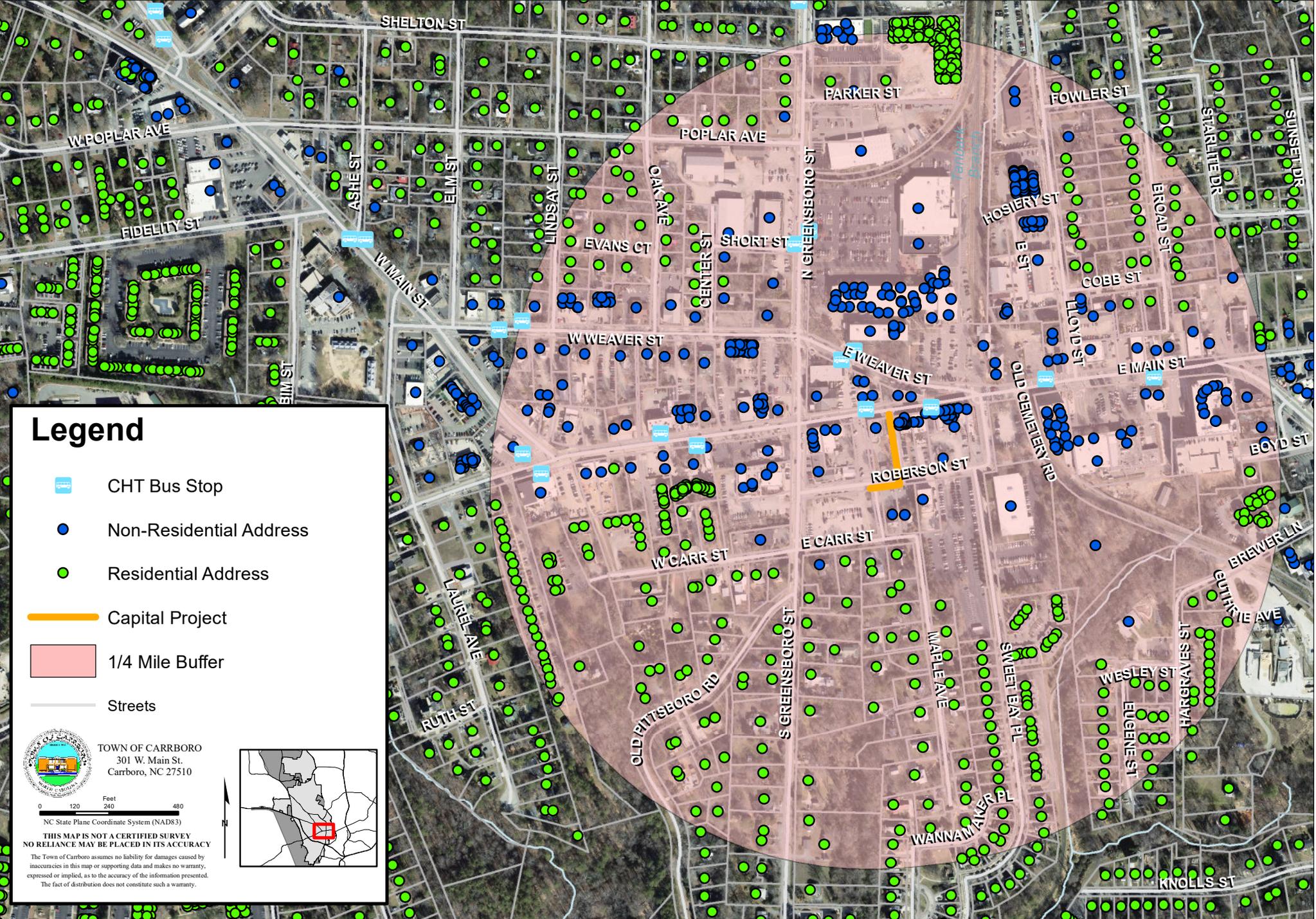
Opportunities

- Direct connectivity from bus routes on E Main to future 203 Project
- Opportunity for transit shelter on E Main St
- School within ½ mile: Community School for People Under 6

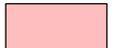
Challenges

- Limited available ROW
- Need to work with property owners to secure easement or land swap

# Transit Capital Project - 203 Project Connector



## Legend

-  CHT Bus Stop
-  Non-Residential Address
-  Residential Address
-  Capital Project
-  1/4 Mile Buffer
-  Streets

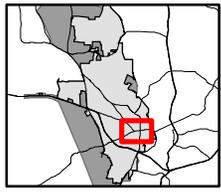
 TOWN OF CARRBORO  
301 W. Main St.  
Carrboro, NC 27510

0 120 240 480  
Feet

NC State Plane Coordinate System (NAD83)

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**#8: Baldwin Park Connector – Shared Use Path**  
Potential Transit Capital Project

Relevant Plans/Funding Sources:

- Updated Bike Plan

Transit Route Access:

- Chapel Hill Transit: A

Cost Estimate: \$285,000

Project Length: ~0.07 Miles

Walking Service Area:

<b>Category</b>	<b>#</b>
Residential addresses w/in ¼ mile	603
Non-Residential addresses w/in ¼ mile	99

Demographics – 2018 ACS

<b>1/4 Mile Demographics - Non Hispanic/Latino (2018 ACS)</b>							<b>Hispanic/Latino</b>
<b>Black</b>	<b>Asian</b>	<b>White</b>	<b>Native American</b>	<b>Hawaiian or Other Pacific Islander</b>	<b>Other</b>	<b>2 or More</b>	
21.8%	6.9%	64.6%	0.0%	0.0%	0.0%	2.5%	4.2%

Opportunities

- Well used footpath identified by Greenways Commission
- Coordination with Chapel Hill
- School within ½ mile: Northside Elementary

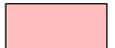
Challenges

- Need to work with property owner

# Transit Capital Project - Baldwin Park Connector

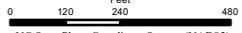


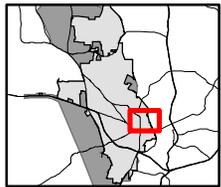
### Legend

-  CHT Bus Stop
-  Non-Residential Address
-  Residential Address
-  Capital Project
-  1/4 Mile Buffer
-  Streets



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