



TOWN OF CARRBORO
NORTH CAROLINA

TRANSMITTAL**PLANNING DEPARTMENT**

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

To: David Andrews, Town Manager
Carrboro Town Council

From: Zachary Hallock, Transportation Planner

Date: February 5, 2021

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 work to identify small capital projects (like sidewalks or greenways) that support transit use. 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. Staff previously provided a similar update to Council on December 1, 2020. That agenda item can be found online at: <https://carrboro.legistar.com/LegislationDetail.aspx?ID=4705261&GUID=DA377DBE-F03D-4D3A-BBE1-79A9DBB06859>

Staff presented information about this item to the Planning Board, Transportation Advisory Board, and Environmental Advisory Board on January 7, 2021. In that presentation, staff included one additional project for feedback from advisory boards that had not been in the previous presentation to Council. That project proposes two small sections of sidewalk along BPW Club Road to connect from existing bus stops that do not have a sidewalk, and provide connectivity to the existing sidewalk network. Feedback from advisory boards was supportive of these projects and emphasized the need to consider equity and environmental impacts when assessing the Town's interest in these projects. This item has also been referred to the Greenways Commission, which will be discussed at their February 8th meeting. Additional feedback from them will be included in the presentation associated with this item.

This memo provides a high level overview of the current funding status, transit routes accessed, racial demographics, and total project cost estimates for ten different projects (. These estimates are the total project costs, in many cases there are multiple funding sources for each project and the transit plan funds we receive serve as the local match for another outside funding source (like federal CMAQ funds). One requirement for transit plan funding is that sidewalk projects should be within ¼ mile of a bus stop, and that greenway projects should be within ½ mile. The first table below describes the accessibility metrics including transit routes within ¼ mile, # of residential and non-residential addresses within ¼ mile, and (if there is one) the name of the

school within ½ mile of the project. Revisiting the previously funded projects also provides an opportunity to also review the racial equity impacts of our project selections. The second table shows the racial demographic data for within ¼ mile of each project, which can help understand how these projects mesh with the Town's commitment to racial equity. Following those tables are description sheets for each project which provide information about current plans/funding, cost estimates, transit routes served, and opportunities/challenges.

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	Morgan Creek Greenway Phase 1	Funded - Under Design	J, CM	0.42	684	10	FPG Elementary
3	Estes Drive Corridor Study and Bike-Ped Infrastructure	Funded	F, N	0.43	862	9	Carrboro Elementary
4	West Main Street Sidewalk	Funded	F, CW, J, 405	0.08	424	116	Carrboro Elementary
5	NC 54 HAWK @ Westbrook Dr	Funded - Option 1	J, CM	0.03	1095	2	None
6	NC 54 HAWK @ Abbey Ln	Funded - Option 2	J, CM	0.03	724	4	FPG Elementary
7	Old Fayetteville Road Sidewalk	Funded - No Year Specified	F, CW, CM	0.20	270	42	None
8	203 Project Transit Connector SUP	New Project	F, CW, J, 405	0.07	399	299	Community School for People Under 6
9	Baldwin Park Connector SUP	New Project	A	0.07	603	99	Northside Elementary
10	BPW Club Rd Sidewalk	New Project	J, HS	0.10	983	8	FPG 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 American	Hawaiian or Other Pacific Islander	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	Morgan Creek Greenway Phase 1	10.3%	18.4%	47.7%	0.2%	0.0%	0.0%	4.0%	19.4%
3	Estes Drive Corridor Study and Bike-Ped Infrastructure	15.5%	1.6%	73.6%	0.5%	0.0%	0.2%	2.2%	6.4%
4	West Main Street Sidewalk	3.2%	4.9%	73.7%	0.6%	0.0%	0.2%	5.8%	11.6%
5	NC 54 HAWK @ Westbrook Dr	8.6%	29.4%	40.9%	0.0%	0.0%	0.0%	3.4%	17.7%
6	NC 54 HAWK @ Abbey Ln	8.7%	20.4%	44.5%	0.0%	0.0%	0.0%	4.3%	22.1%
7	Old Fayetteville Road Sidewalk	17.0%	8.5%	65.2%	0.8%	0.0%	0.2%	4.3%	4.0%
8	203 Project Transit Connector SUP	18.5%	2.9%	58.6%	0.0%	0.0%	0.0%	5.1%	14.9%
9	Baldwin Park Connector SUP	21.8%	6.9%	64.6%	0.0%	0.0%	0.0%	2.5%	4.2%
10	BPW Club Rd Sidewalk	15.2%	8.1%	56.1%	0.5%	0.0%	0.0%	2.4%	17.7%

#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: ~\$1.7 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

#2: Morgan Creek Greenway Phase 1

Current Transit Plan Capital Project

Relevant Plans/Funding Sources:

- Capital Improvements Program
- Updated Bicycle Plan
- NC 54 Bike-Ped Safety Study
- Morgan Creek Greenway Master Plan

Transit Route Access:

- Chapel Hill Transit: J, HS, CM

Cost Estimate: ~\$1.6 Million

Project Length: ~0.63 Miles

Walking Service Area:

Category	#
Residential addresses w/in ¼ mile	684
Non-Residential addresses w/in ¼ mile	10

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	
10.3%	18.4%	47.7%	0.2%	0.0%	0.0%	4.0%	19.4%

Opportunities

- Neighbor support
- Bike-ped connectivity from NC 54 via Abbey Lane
- School within ½ mile: Frank Porter Graham Elementary
- Coordination with Chapel Hill for connectivity under Smith Level Road

Challenges

- Topography
- Environmental Sensitivity

#3: 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 Million

Project Length: ~0.43 Miles

Walking Service Area:

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

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

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

Challenges

- Topography
- Right of Way
- Utilities

#4: 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

#5: NC 54 Pedestrian Crossing Signal – At Westbrook Drive

Current Transit Project Capital Project

Relevant Plans/Funding Sources:

- Highway Safety Improvement Program
- 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

#6: NC 54 Pedestrian Crossing Signal – At Abbey Lane

Current Transit Project Capital Project

Relevant Plans/Funding Sources:

- Highway Safety Improvement Program
- 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	724
Non-Residential addresses w/in ¼ mile	4

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	
8.7%	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

#7: 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:

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

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	
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)

#8: 203 Project Pedestrian Connector to E Main St

Potential Transit Capital Project

Relevant Plans/Funding Sources:

- 203 Project

Transit Route Access:

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

Cost Estimate: \$265,000

Project Length: ~0.07 Miles

Walking Service Area:

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

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	
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 (from GoTriangle)
- School within ½ mile: Community School for People Under 6

Challenges

- Limited available ROW
- Coordination with property owners needed

#9: 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: \$295,000

Project Length: ~0.07 Miles

Walking Service Area:

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

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	
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

- Coordination with property owner needed

#10: BPW Club Road - Sidewalk

Potential Transit Capital Project

Relevant Plans/Funding Sources:

Transit Route Access:

- Chapel Hill Transit: J, HS

Cost Estimate: \$120,000

Project Length: ~0.10 Miles

Walking Service Area:

Category	#
Residential addresses w/in ¼ mile	983
Non-Residential addresses w/in ¼ mile	8

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	
15.2%	8.1%	56.1%	0.5%	0.0%	0.0%	2.4%	17.7%

Opportunities

- Enhance access for people of all abilities to one of the most heavily used transit routes in the State
- Largely within public right of way
- School within ½ mile: Frank Porter Graham Elementary/Magnet School