



CHAPEL HILL TOWN COUNCIL UPDATE

ORANGE COUNTY TRANSIT PLAN UPDATE

MAY 4, 2022



draft

PROJECT TEAM



RENAISSANCE
PLANNING

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Let's think about transit



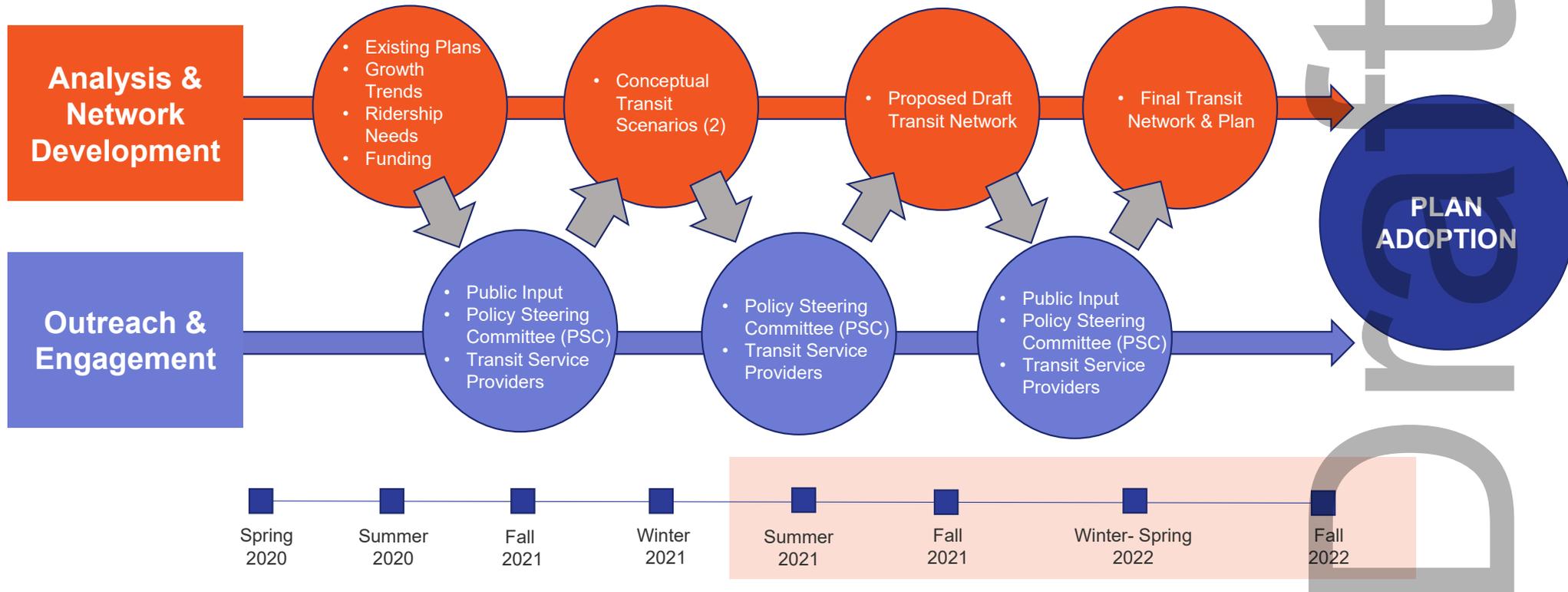
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AGENDA

- **Project Overview & Schedule**
- **Transit Plan: What's included?**
- **Engagement**
- **Projects**
- **Conceptual Transit Vision Map**
- **Plan Documentation**
- **Next Steps**

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PROJECT OVERVIEW & SCHEDULE



TRANSIT PLAN UPDATE: WHAT'S INCLUDED?

- **Programmed projects are carried over:** capital investments and service improvements in previously adopted transit plans (2012, 2017) excluding LRT
- **New projects:** capital investments and service improvements) funded with unallocated transit tax revenues

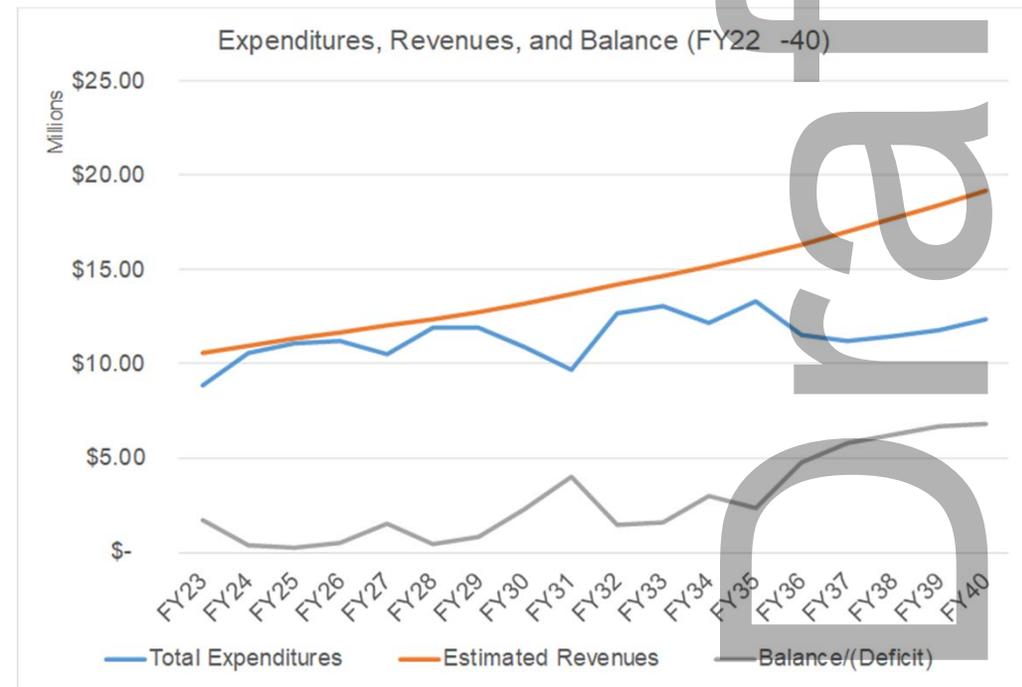


Figure 1 Orange County transit expenditures, revenue, and balance

ENGAGEMENT

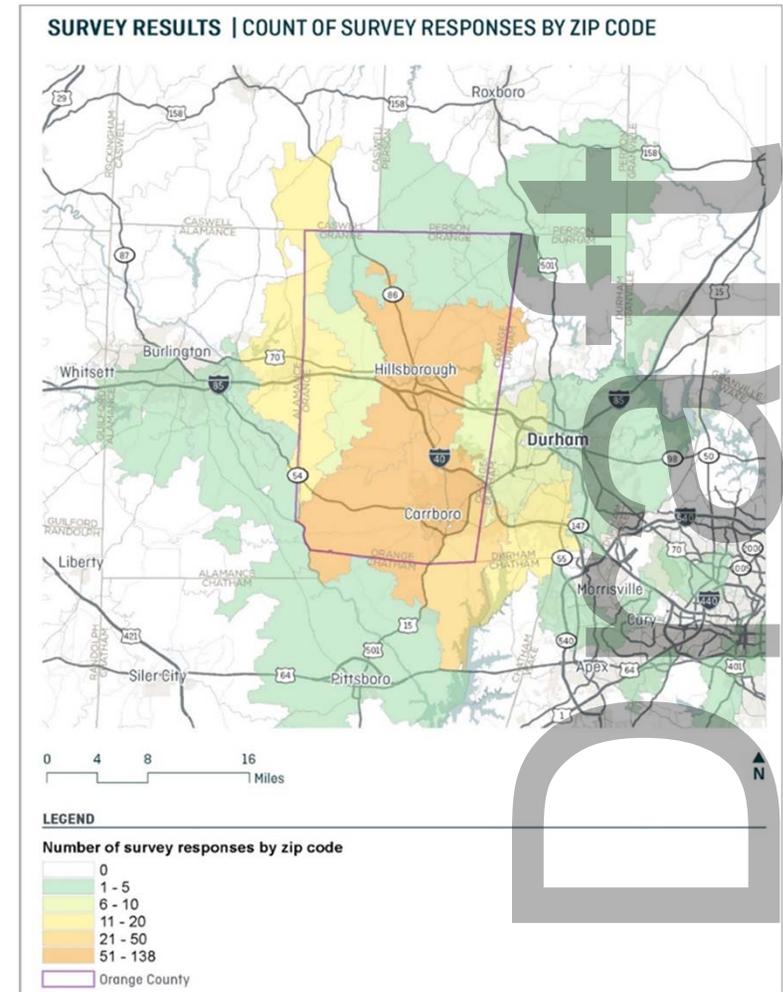
TWO PHASES

Phase 1 (Fall 2020)

- Goal - Identify Needs & Priorities
- Methods: Virtual Transit Summit, online survey

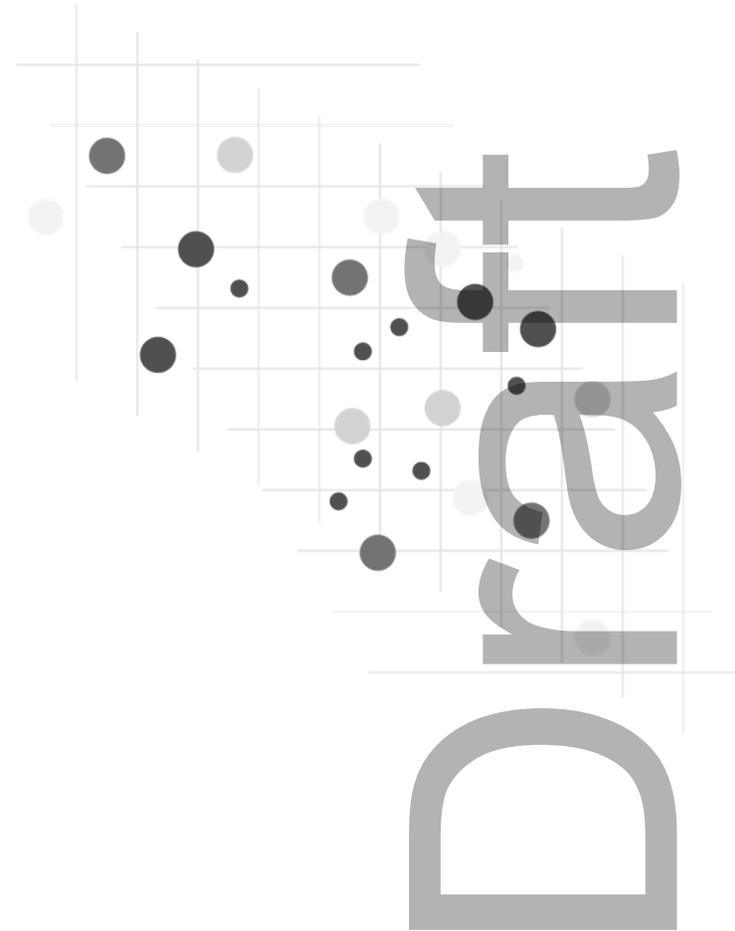
Phase 2 (Winter/Spring 2022)

- Goal - Vet Proposed Projects
- Methods: Virtual focus groups, online survey, pop ups at transit stops



PROJECTS: SELECTION

- Funded using projected transit tax revenues (rather than taking on debt)
- GoTriangle financial model forecasts used to determine available future revenues
- Already-programmed capital and service improvements are included in expenses



PROJECTS: SELECTION

For each potential project, we considered:

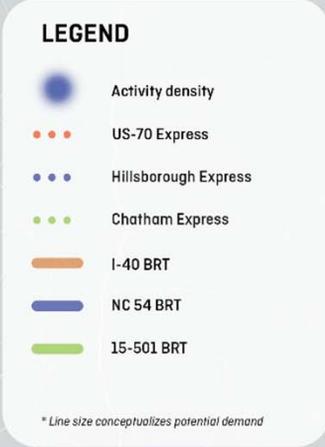
1. Is the project identified as an **unfunded or emerging priority** by transit service providers?
2. Does the improvement **meet needs expressed by public**?
3. Does the improvement **reflect values identified by PSC?** *Equity, environmental sustainability, economic prosperity, affordable and attainable quality of life, transportation and access for all*
4. Does the project **support the conceptual transit vision or fill a regional connectivity gap**?



INCLUDED PROJECTS: SERVICE AND CAPITAL IMPROVEMENTS

Transit Project/ Service	Net New Revenue Hours	Additional peak vehicles
Service Improvements		
Chapel Hill Transit CW: Improve weekday midday service to 30 minutes.	1,500	0
Chapel Hill Transit HS: add weekend service with 1 bus (70 min frequency) (8 am until 6:30 pm)	1,177	0
Orange County Public Transportation Mobility-on-Demand Service		
Chapel Hill Transit NS: Improve morning peak frequency to every 6 minutes. Provide Saturday service until 11 PM and Sunday service until 9 PM.	2,300	3
US 15-501 Project Bundle		
<i>GoTriangle 400/405:</i> Consolidate into one pattern via Manning Dr to Carrboro and Jones Ferry Park and Ride. Schedule effective 15-minute service midday, and improved Sunday and evening service.	20,067**	2**
<i>Chapel Hill Transit D:</i> Extend service to Patterson Place and provide Saturday service until 9 PM.	5,300	1
<i>Chapel Hill Transit J:</i> Improve morning peak frequency to every 10 minutes and offer 15-minute service until noon. Provide Saturday service until 11 PM and Sunday service until 9 PM.	3,200	2
Capital Improvements		
Fordham/Ephesus Church Improvements (400/D/F Connection)		
Fordham/Manning Queue Jump and Shoulder Running Improvements		
<i>*By amendment to FY23 Work Plan</i>		
<i>**Half of these revenue hours and costs are assumed to be shared with Durham County.</i>		

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CONCEPTUAL TRANSIT VISION MAP



- Represents aspirational, currently unfunded, longer-term transit investments
- Transit plan document will explicitly connect proposed investments/projects to future transit corridors

IMPLEMENTATION

Transit Project/Service	Ops (Annual) Cost	Capital Cost	Impl. Year
Service Improvements			
Chapel Hill Transit CW: Improve weekday midday service to 30 minutes.	\$181,425	N/A	FY23
Chapel Hill Transit HS: add weekend service with 1 bus (70 min frequency) (8 am until 6:30 pm)	\$152,326	N/A	FY23*
Orange County Public Transportation Mobility-on-Demand Service	\$228,616		FY24
Chapel Hill Transit NS: Improve morning peak frequency to every 6 minutes. Provide Saturday service until 11 PM and Sunday service until 9 PM.	\$299,575	\$1,855,583	FY26
US 15-501 Projects (GoTriangle 400/405; Chapel Hill Transit D; Chapel Hill Transit J)	\$2,489,481 **	\$2,748,477**	FY29
Capital Improvements			
Fordham/Ephesus Church Improvements (400/D/F Connection)	N/A	\$6,000,000	FY26-28
Fordham/Manning Queue Jump and Shoulder Running Improvements	N/A	\$6,000,000	FY26-28
<i>*By amendment to FY23 Work Plan</i>			
<i>**Half of these revenue hours and costs are assumed to be shared with Durham County.</i>			

Constants	Value
Operating Cost Annual Inflation Factor	2.50%
Current cost of OPT per hour	\$68.00
Current cost of GoT per hour	\$133.70
Current cost of CHT per hour	\$118.00
Cost of vehicle	\$560,000

PLAN DOCUMENTATION

- Transit equity – woven throughout the plan, in all sections
- Executive summary (also functions as a standalone document describing the plan update and projects)
- About the Plan
 - Purpose, values, and goals
 - Key players and parties
 - Planning history and process, including engagement
- Regional and County Snapshots
 - Socioeconomic drivers
 - Spatial trends and dynamics
- Transit inventory and performance
- Project Descriptions
- Unfunded Priorities/Projects
- Budget, Implementation Plan, and Schedule
- Next Steps

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NEXT STEPS

- Project updates to Boards and Commissions (April-May 2022)
- Completion of draft Orange County Transit Plan Update Documentation (April 2022)
- Final Policy Steering Committee Meeting (May 20, 2022)
- Receive PSC comments and feedback (until June 3, 2022)
- Final Orange County Transit Plan Update documentation (6/30/22)
- Orange County Transit Plan Update approval and adoption (Fall 2022)

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QUESTIONS & COMMENTS

On behalf of the project team, we thank you for your time and consideration.

Renaissance Planning

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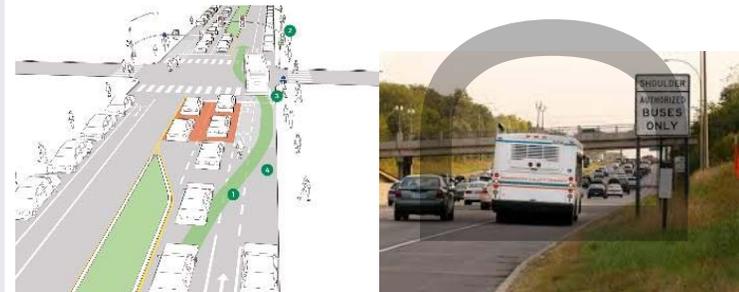
PROPOSED PROJECTS (Operations)

IDENTIFIER	PROJECT	BRIEF DESCRIPTION
O-1	 CW Route	Run 30-minute service all day
O-2	 HS Route	Add weekend service that runs every 70 minutes
O-3	 NS Route	Improve peak frequency to every 6 minutes; provide Saturday service to 11 PM and Sunday service to 9 PM
O-4	 OCPT MOD	Run service 2 days per week, per zone
O-5	  US 15-501 Projects	<ul style="list-style-type: none"> • GoTriangle route 400/405 consolidation and midday frequency improvements • CHT D route extension to Patterson Place • CHT J route peak and midday frequency improvements

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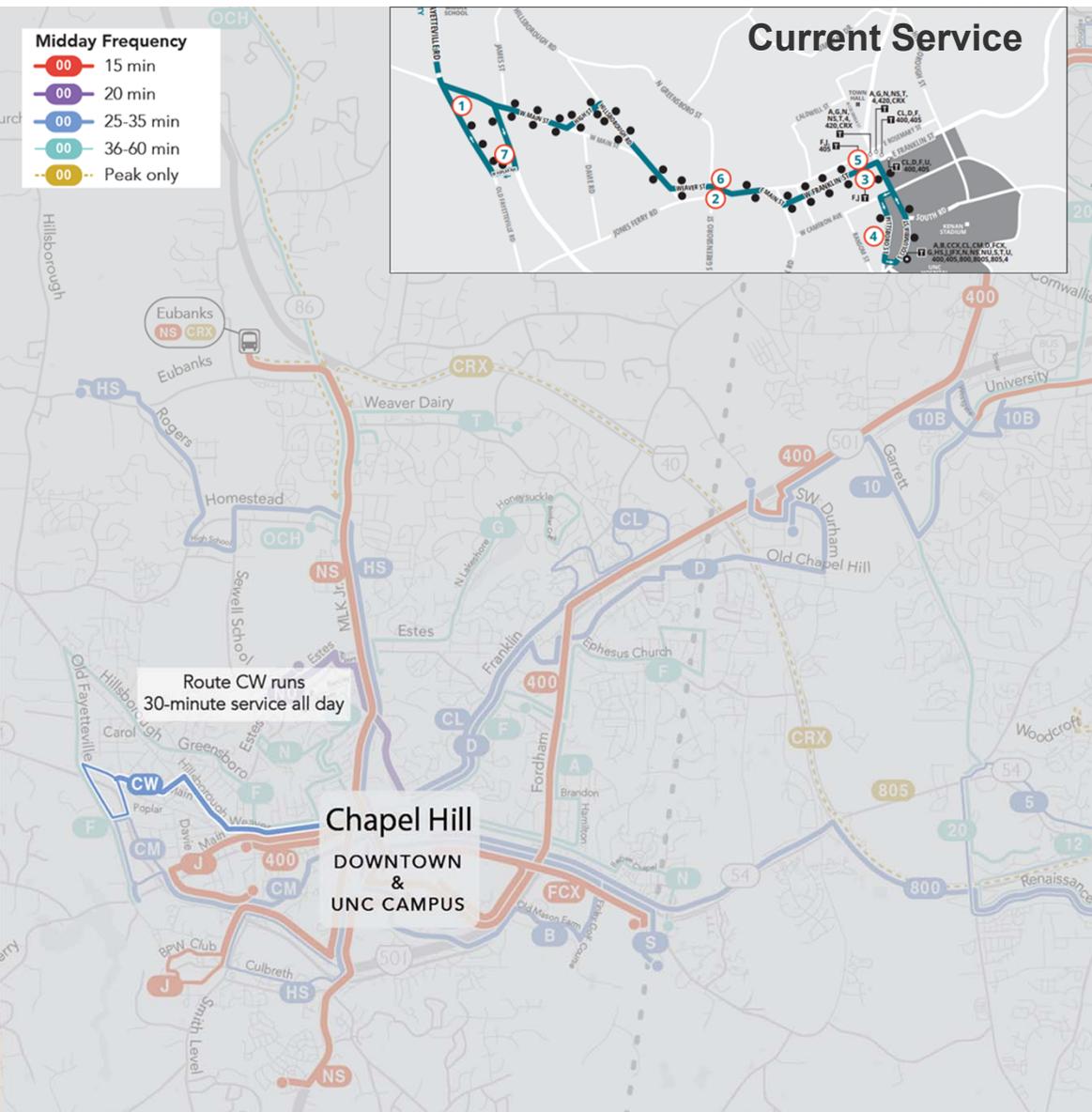
PROPOSED PROJECTS (Capital)

IDENTIFIER	PROJECT	BRIEF DESCRIPTION
C-1	Stop and transfer improvements, US 15-501/ Fordham Blvd. and Ephesus Church Rd.	Improved stops and pedestrian crossing improvements supporting transfers between the D, F, and 400 routes
C-2	Speed and reliability improvements, US 15-501/ Fordham Blvd. and Manning Dr.	Queue jump lane and shoulder running bus lane improvements on US 15-501/ Fordham Blvd. and Manning Dr. supporting improvements to the D and 400 routes



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CW Route Service Improvements

Implement: FY23

Description: Increase service frequency to 30 minutes, all day.

Provides service between Carrboro and UNC via W. Main, Weaver St., and W. Franklin St.

Equity: Provides improved transit service near lower-income housing and in/near historically African-American neighborhoods

Environmental Sustainability: Improves transit access in areas with existing higher-density development

Economic Prosperity: Improves access to jobs and improves regional connections

Affordable and attainable quality of life: Improves transit access near multifamily housing

Transportation and access for all: Fulfills an unfunded priority project for CHT



HS Route Service Improvements

Implement: FY23

Description: Add weekend service that runs every 70 minutes

Currently provides weekday-only service between Morris Grove Elem. and Smith Level Road via Rogers Road, Homestead, and MLK, Jr. Blvd.

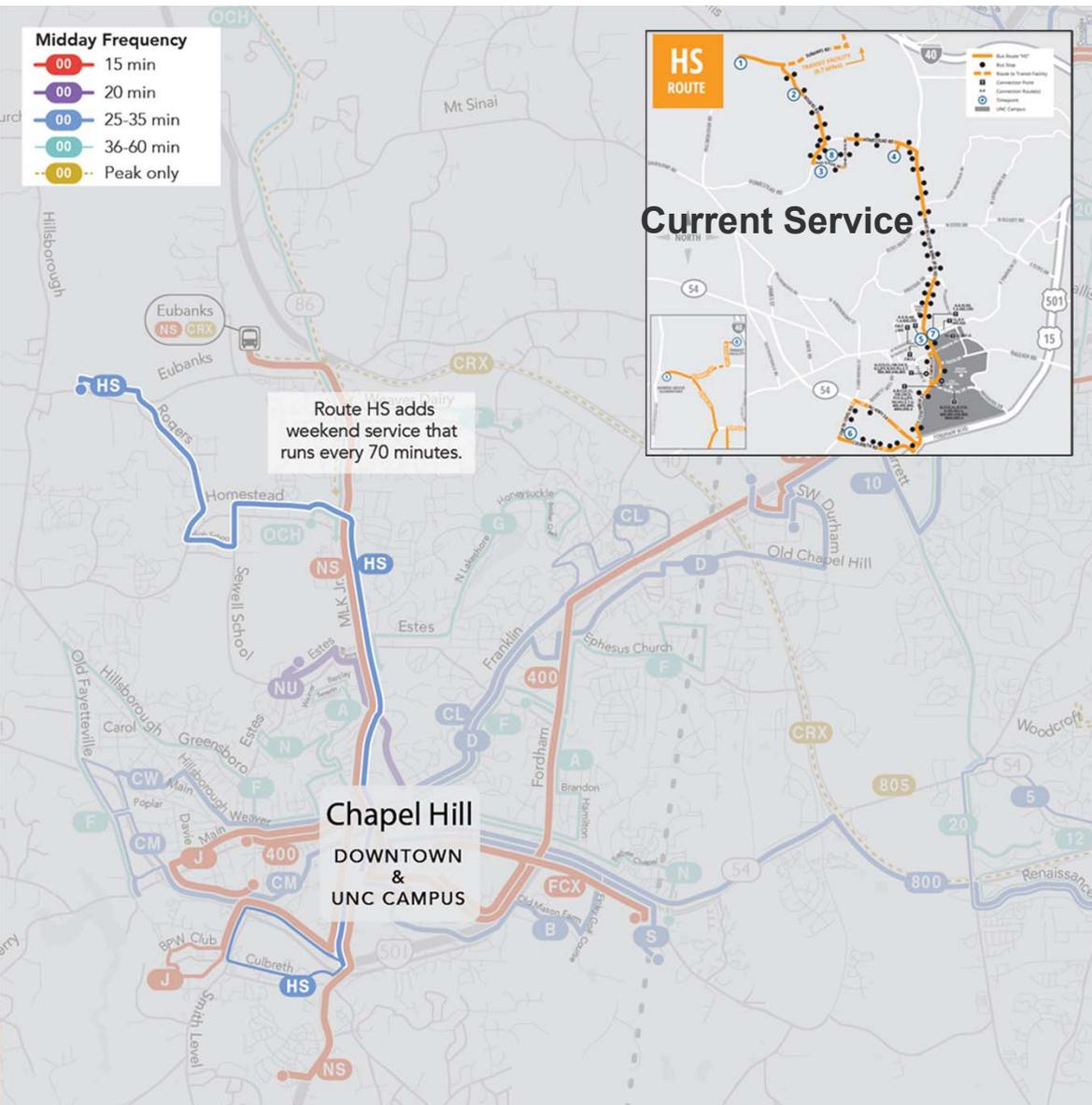
Equity: Provides improved transit service near lower-income housing and in/near historically African-American neighborhoods

Environmental Sustainability: Improves transit access along corridors with existing higher-density development

Economic Prosperity: Improves access to jobs

Affordable and attainable quality of life: Improves transit service near multifamily housing

Transportation and access for all: Fulfills a public need for weekend service in transit dependent neighborhoods





NS Route Service Improvements

Implement: FY26

Description: Increase peak frequency to every 6 minutes; provide Sat. service until 11PM and Sun. service until 9 PM

Provides high-frequency service between Eubanks Rd. Park & Ride and Southern Village Park & Ride via NC 86; planned BRT route

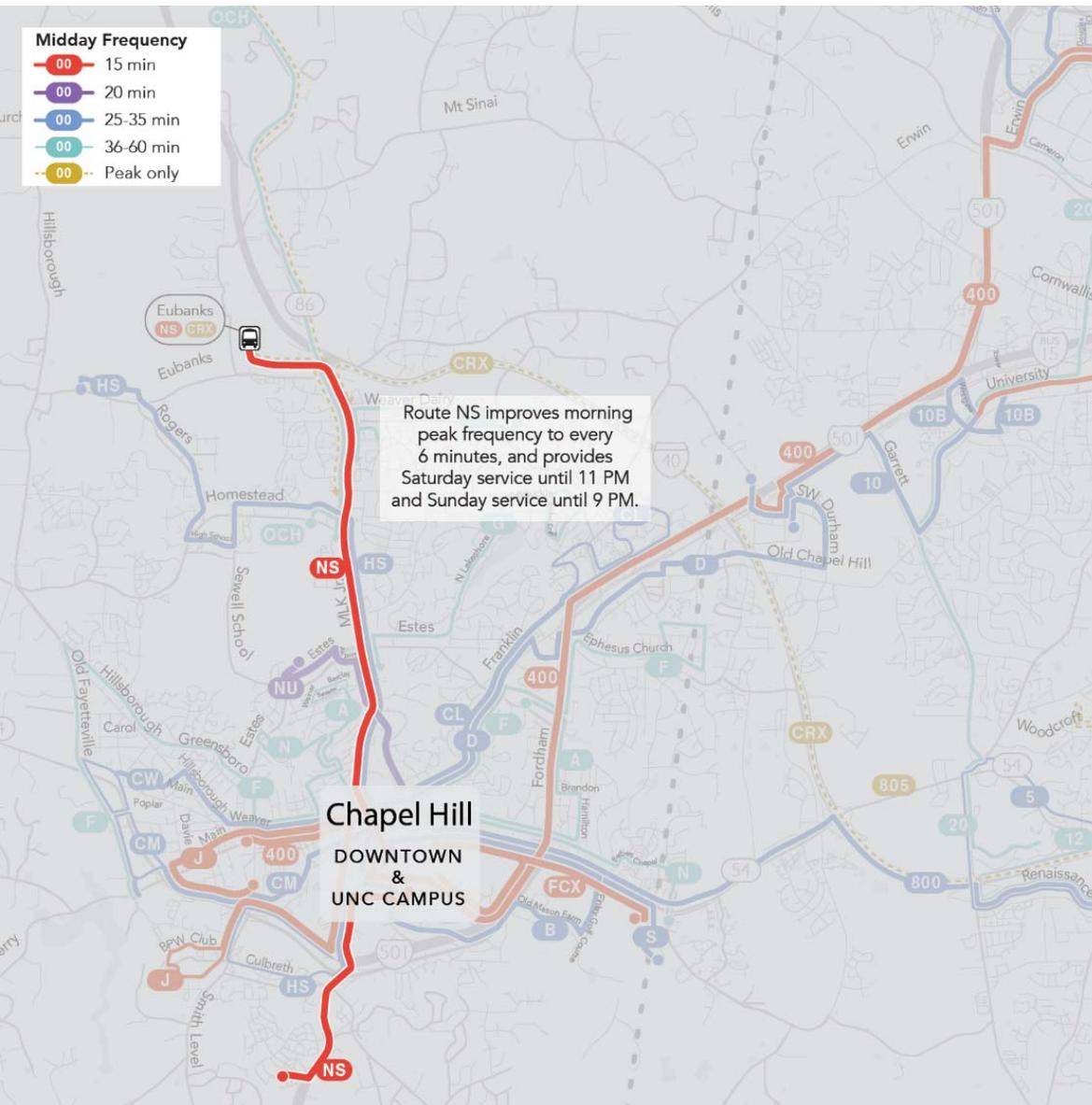
Equity: Provides improved transit service near lower-income housing, public housing, and in/near historically African-American neighborhoods

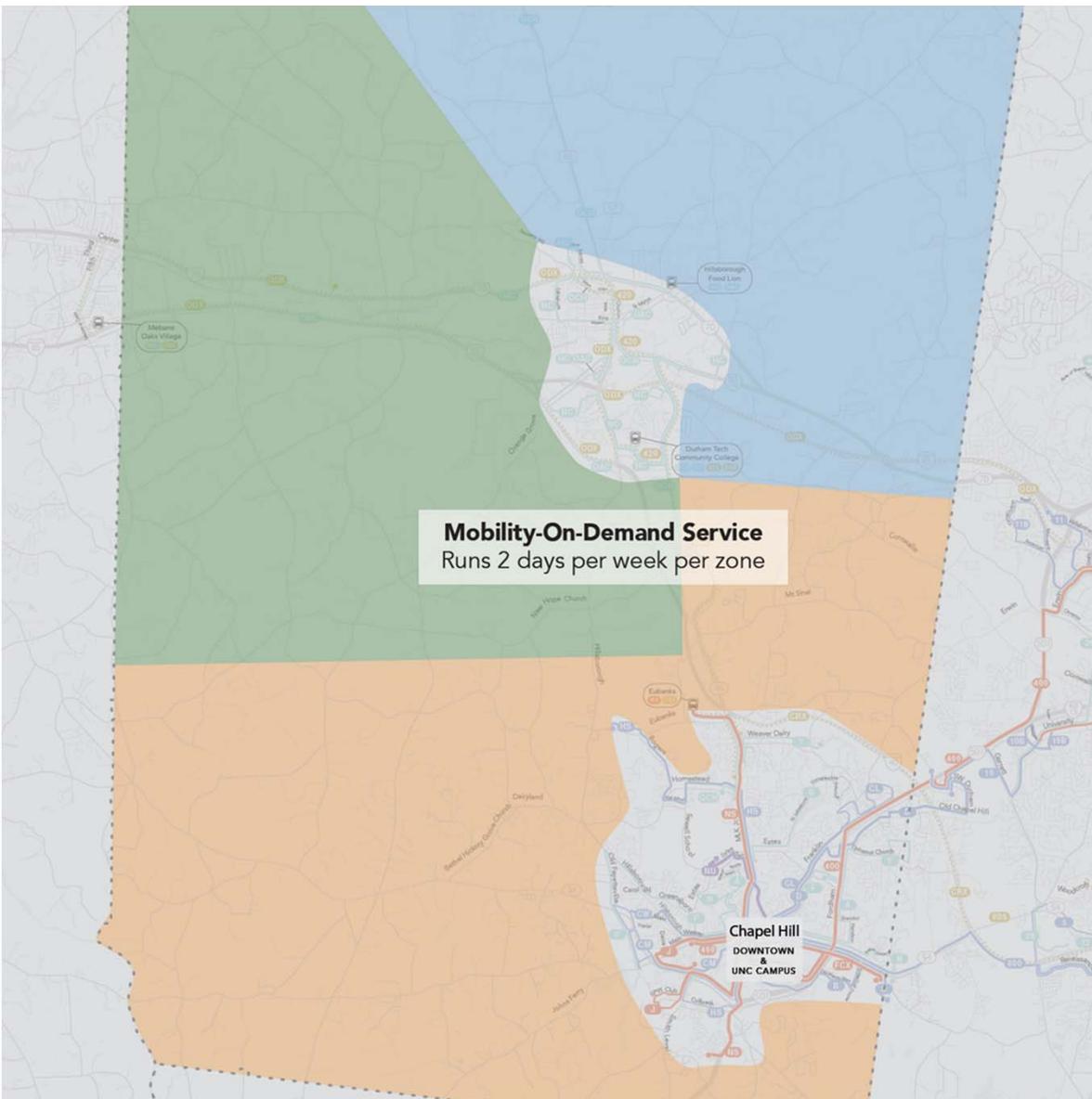
Environmental Sustainability: Improves transit access along a high-ridership corridor with existing higher-density development

Economic Prosperity: Improves access to local and regional job centers

Affordable and attainable quality of life: Improves transit service near multifamily housing

Transportation and access for all: Fulfills a public need for more frequent transit and longer weekend service hours





OCPT Mobility-on-Demand Expansion



Implement: FY24

Description: Expand service to 2 days per week, per zone

Provides life-line transit service in difficult to serve locations.

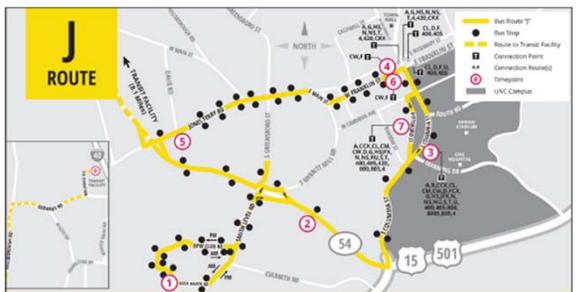
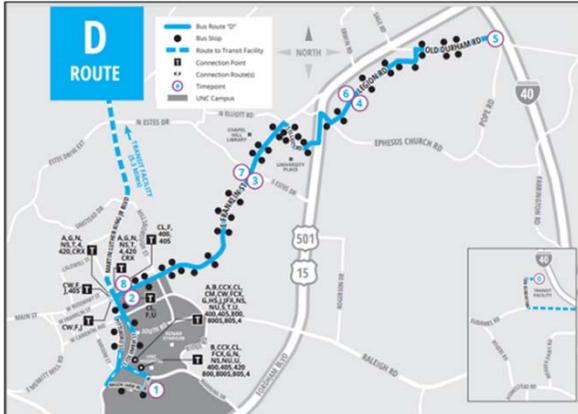
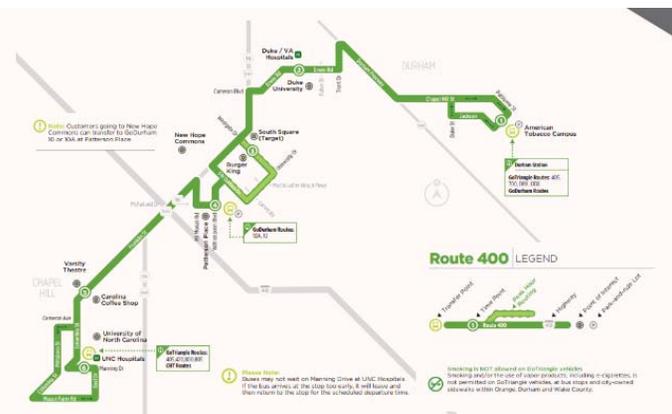
Equity: Provides transit service in locations that currently have little or no service, including rural lower-income communities

Affordable and attainable quality of life: Provides an affordable life-line transportation option for all.

Transportation and access for all: Provides a transit service option reaching all residents of Orange County.

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Current Services



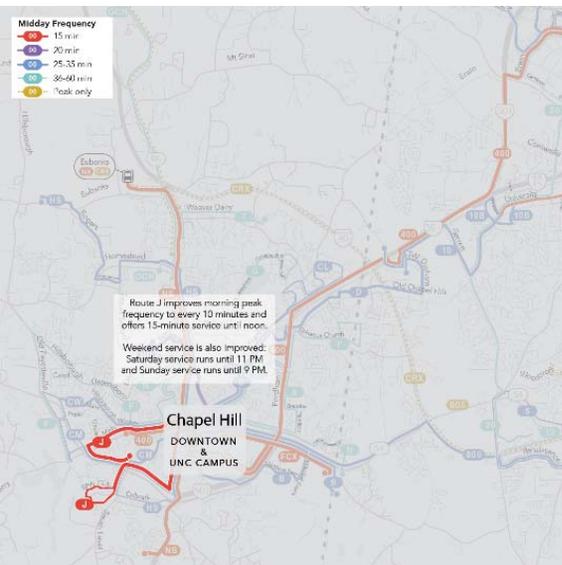
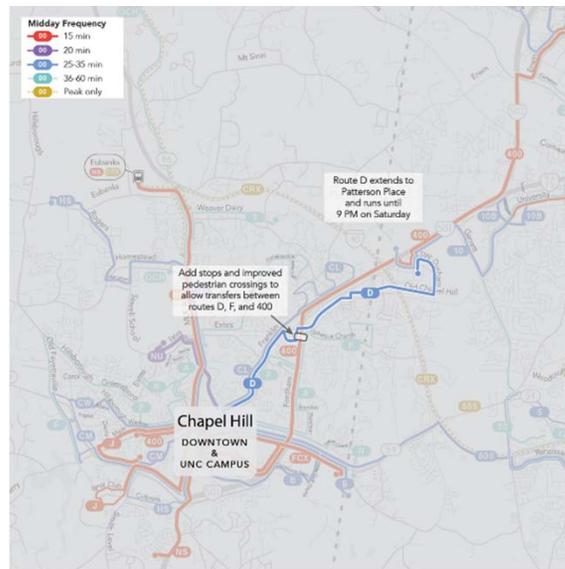
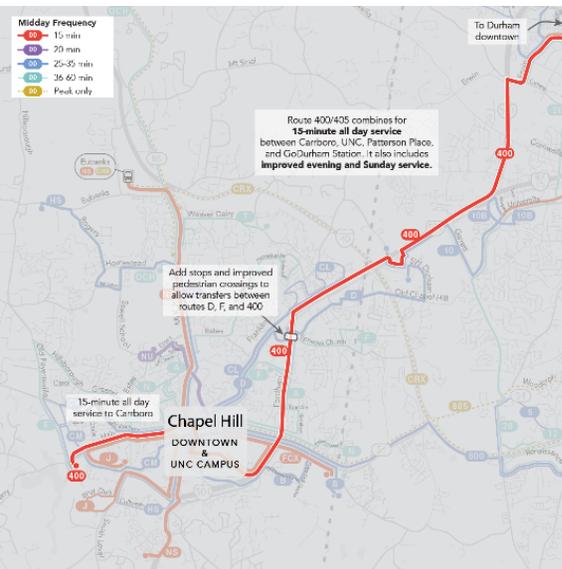
Resolve challenges with route alignment, eliminate duplication of services, improve transfer opportunities, extend service frequency

US 15-501 Improvements

Implement: FY29

Description: Bundled service improvements for the US 15-501 corridor for GoTriangle route 400/405 and CHT routes D and J

- The **400 and 405** currently provides inter-county service between Carrboro and Durham Station via UNC and Patterson Place
- The **D** currently provides service between Mason Farm Road on UNC's campus and Pope Road, just west of I-40
- The **J** provides service between Rock Haven Road and UNC via Jones Ferry Road and Smith Level Road



Projects on US 15-501 are proposed as a package; this builds in operations efficiencies increasing service, access, and regional connections across multiple routes and service providers

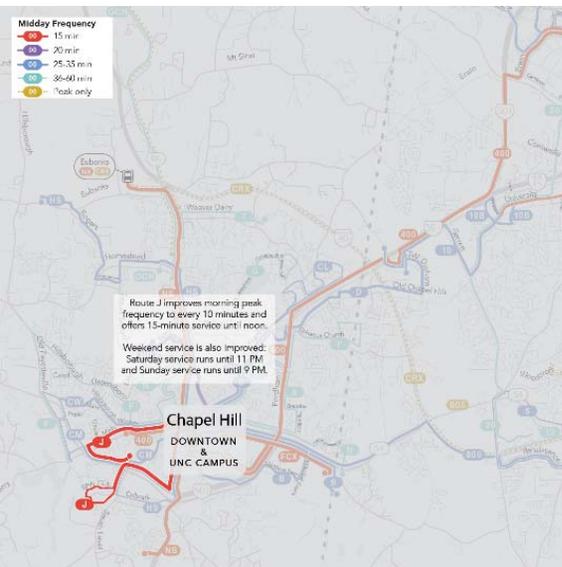
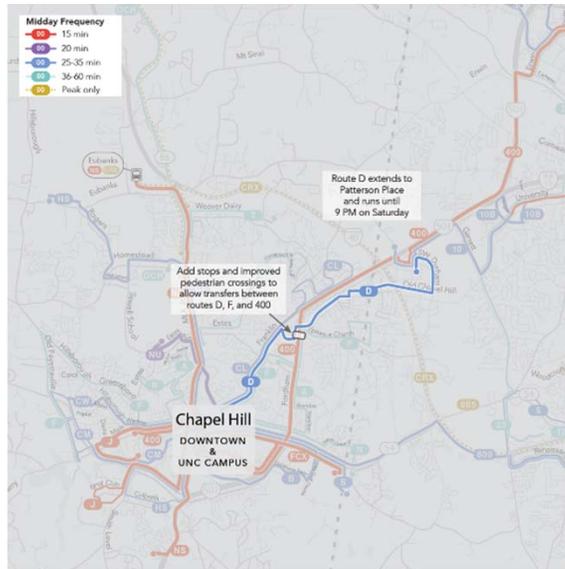
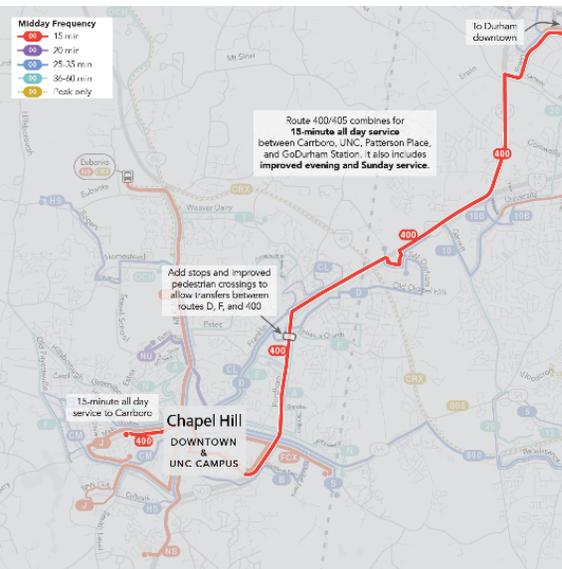


US 15-501 Improvements

Implement: FY29

Description: Bundled service improvements for the US 15-501 corridor for GoTriangle route 400/405 and CHT routes D and J

- The proposed improvements on the **400/405** will provide 15-minute all day service between Carrboro (Jones Ferry P&R), UNC, Patterson Place, and Durham Station and provide extended evening and Sunday service
- Proposed improvements on the **D** extend service to Patterson Place, enhancing regional connections between the D and the 400/405
- Proposed improvements on the **J** improves morning peak frequency to 10 minutes and provides 15-minute service until noon; service on Sat. and Sun. extended to 11 PM and 9 PM, respectively



Projects on US 15-501 are proposed as a package; this builds in operations efficiencies increasing service, access, and regional connections across multiple routes and service providers



US 15-501 Improvements

Implement: FY29

Description: Bundled service improvements for the US 15-501 corridor for GoTriangle route 400/405 and CHT routes D and J

Equity: Provides improved transit service near lower-income housing and public housing in two counties

Environmental Sustainability: Improves transit access along a high-ridership corridor with existing higher-density development and regional connections

Economic Prosperity: Improves access to local and regional activity centers

Affordable and attainable quality of life: Improves transit service near multifamily housing; provides connections to UNC from Durham

Transportation and access for all: Fulfills a public need for more frequent transit, longer weekend service hours, and improved commuter service



Stop and transfer improvements, US 15-501/ Fordham Blvd. and Ephesus Church Rd

Implement: FY26-28

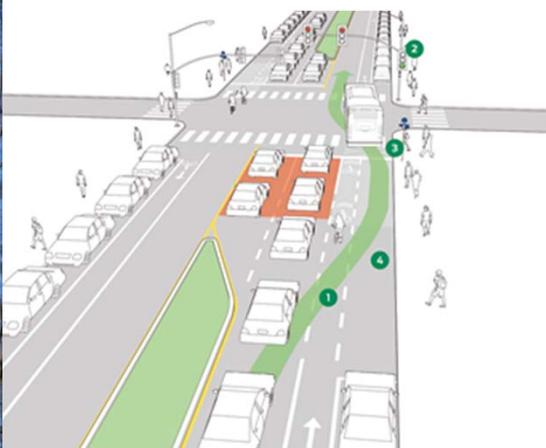
Description: Improved bus shelters and pedestrian crossing improvements supporting transfers between the D, F, and 400 routes

Equity: Provides improved transit amenities and improves safety near lower-income housing and public housing in two counties

Environmental Sustainability: Improved transit amenities and improved safety support transit ridership goals

Transportation and access for all: Provides improved transit amenities and improves safety near in an existing transit corridor





Speed and reliability improvements, US 15-501/ Fordham Blvd. and Manning Dr.

Implement: FY26-28

Description: Queue jump lane and shoulder running bus lane improvements on US 15-501/ Fordham Blvd. and Manning Dr. supporting improvements to the D and 400 routes

Equity: Provides faster, more reliable transit service near lower-income housing and public housing in two counties

Environmental Sustainability: Helps mitigate transit vehicle congestion in existing transit corridors

Economic Prosperity: Provides faster, more reliable transit service to local and regional activity centers

Affordable and attainable quality of life: Provides faster, more reliable transit service near multifamily housing

Transportation and access for all: Fulfills a public need for faster, more reliable transit service