

Durham-Chapel Hill-Carrboro MPO Technical Committee

ORANGE COUNTY TRANSIT PLAN UPDATE

September 28, 2022

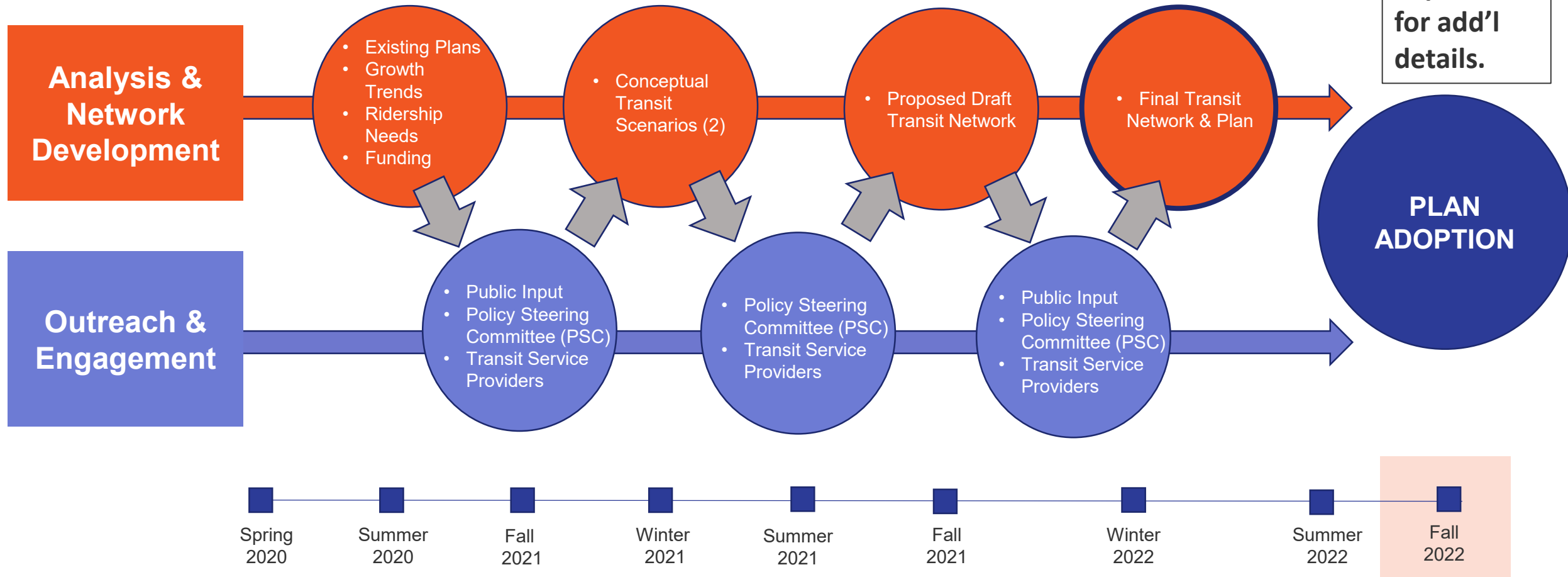


AGENDA

Objective: Recommend to the MPO Board that it release the draft Orange County Transit Plan Update for public comment

- Provide an overview of the draft Plan
- Review next steps in adoption process

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

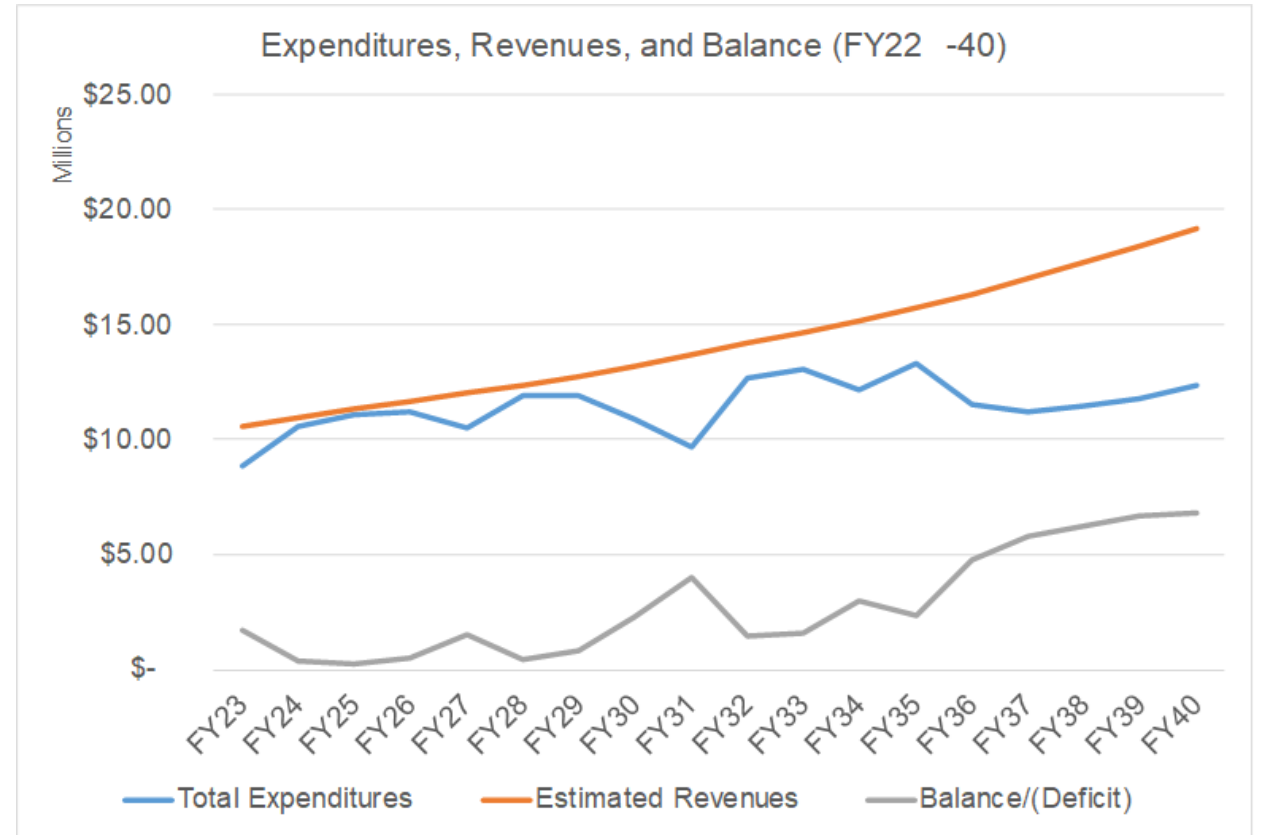


Figure 1 Orange County transit expenditures, revenue, and balance

ENGAGEMENT

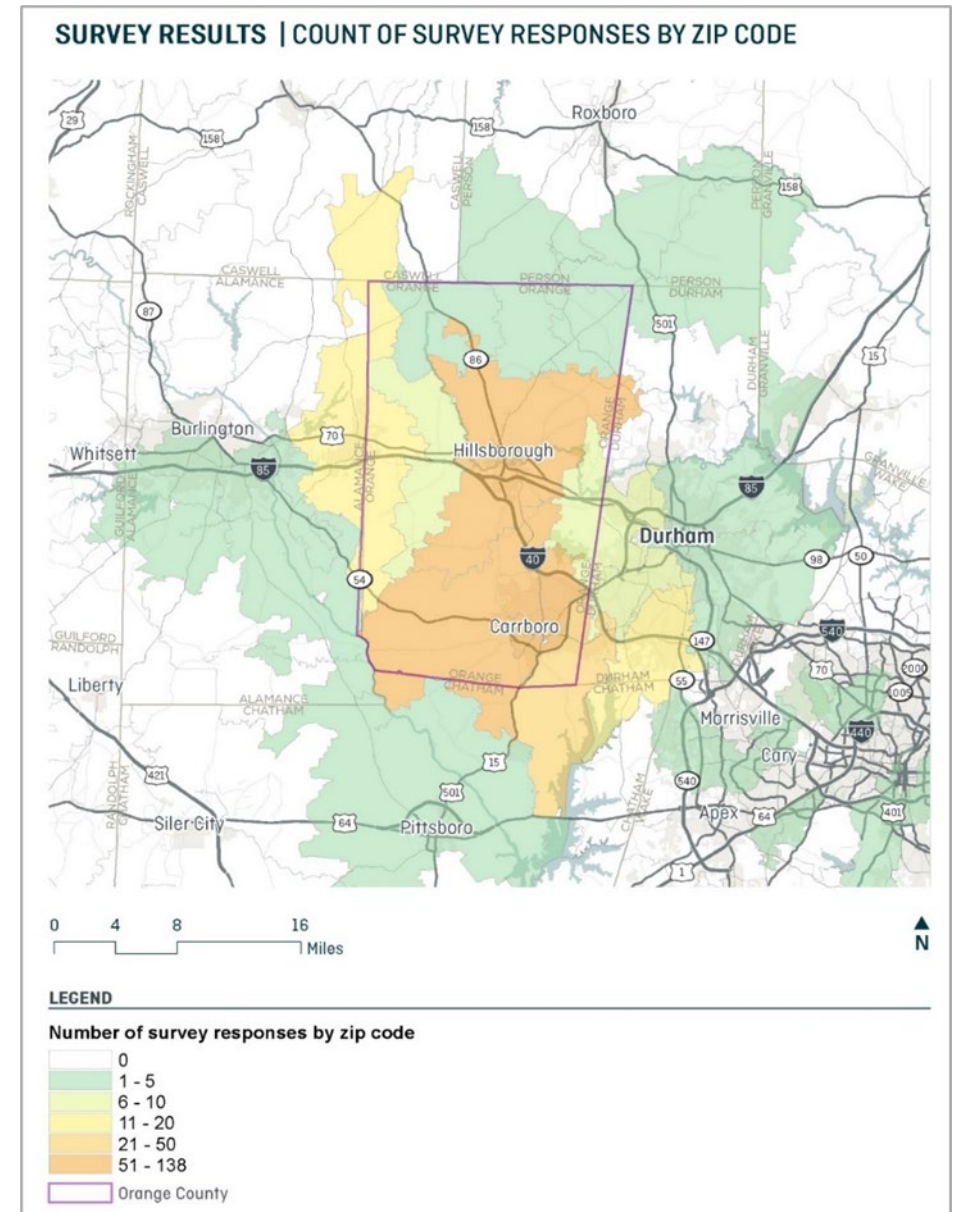
TWO PHASES

Phase 1 (Fall 2020)

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

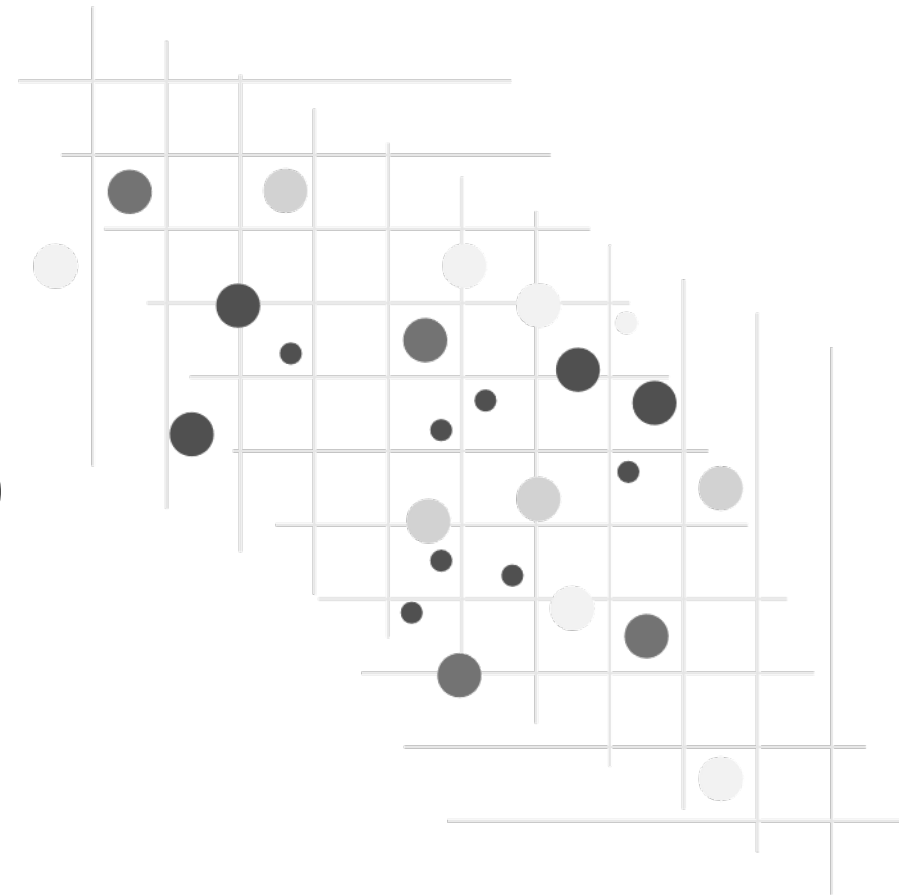
Phase 2 (Winter/Spring 2022)

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



PROJECTS: SELECTION

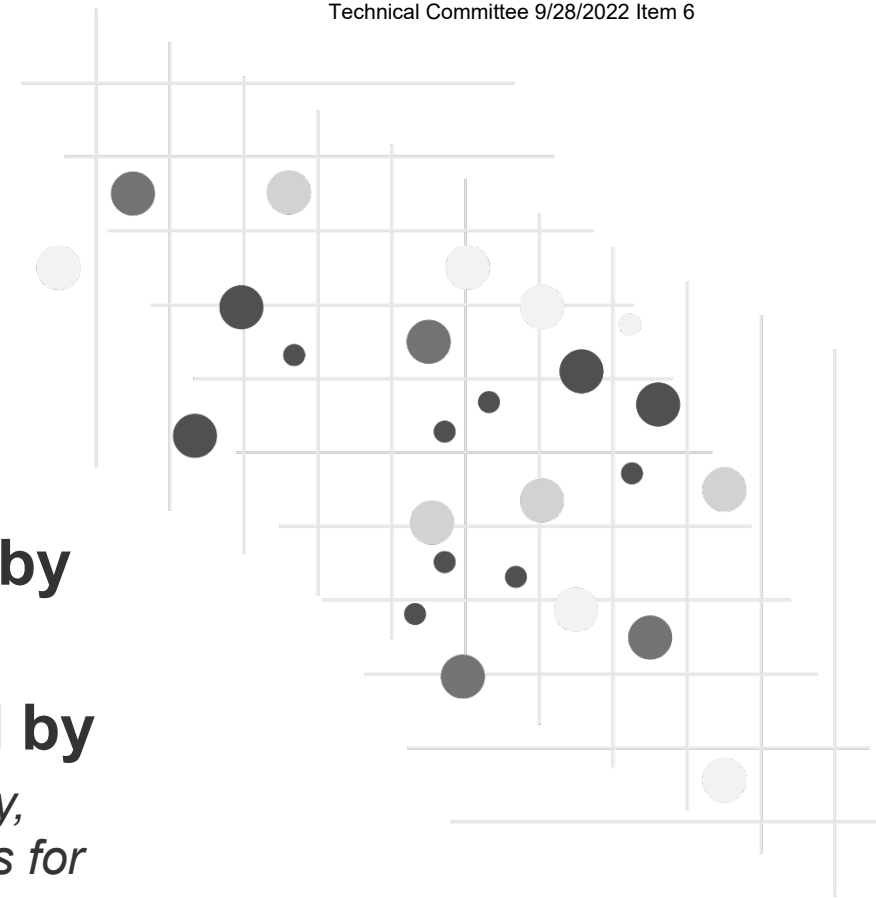
- Funded using projected transit tax revenues (rather than taking on debt)
- GoTriangle financial model forecasts used to determine available future revenues
- Already-programmed capital and service improvements are included in expenses



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

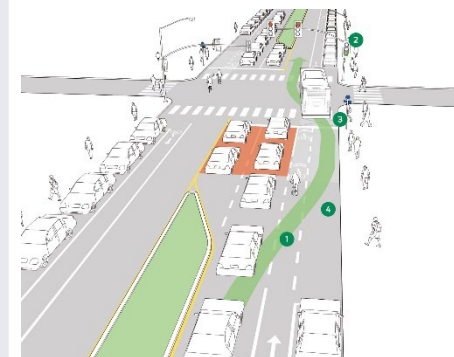
Transit Project/ Service	Net New Revenue Hours	Additional peak vehicles
Service Improvements		
Chapel Hill Transit CW: Improve weekday midday service to 30 minutes.	1,500	0
Chapel Hill Transit HS: add weekend service with 1 bus (70 min frequency) (8 am until 6:30 pm)	1,177	0
Orange County Public Transportation Mobility-on-Demand Service	3,200	0
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>		

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

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



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**	FY26-29
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

FINAL REPORT OUTLINE

- 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

NEXT STEPS – ADOPTION PROCESS

Orange County:

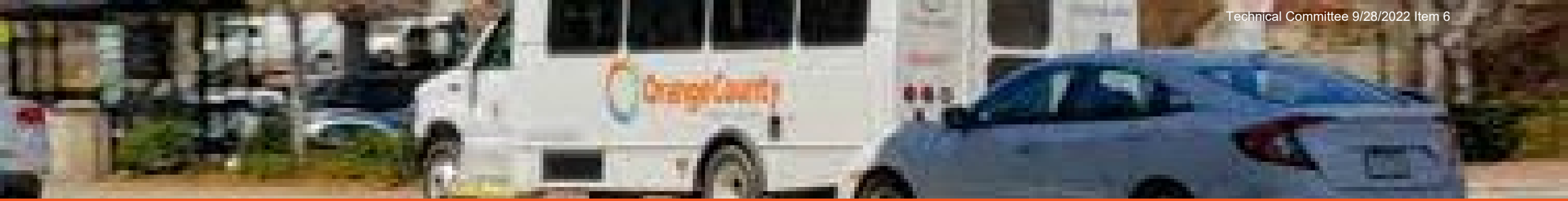
- BOCC Public Hearing (11/1/22)
- BOCC adoption consideration (11/15/22)

DCHC MPO:

- **Technical Committee recommendation to release draft for public comment (9/28/22)**
- Board consideration to release draft for public comment (10/12/22)
- Technical Committee recommendation (11/16/22)
- Board adoption consideration (12/14/22)

GoTriangle:

- Board adoption consideration (12/21/22)



THANK YOU!

