



Durham Transit Plan

Durham Transit Plan DCHC MPO Board

April 14, 2020



Presentation Topics

- Outreach
 - Phase I Summary
 - Phase II Design
- Scenarios
- Next Steps

Outreach



Durham Transit Plan – Phase I



Durham Transit Plan

Durham Transit Plan is developing goals and objectives and your input!

Take the survey!

¡Toma la encuesta!

<https://www.surveymonkey.com/r/DurhamTransit>

Get the latest Durham Transit Plan updates:

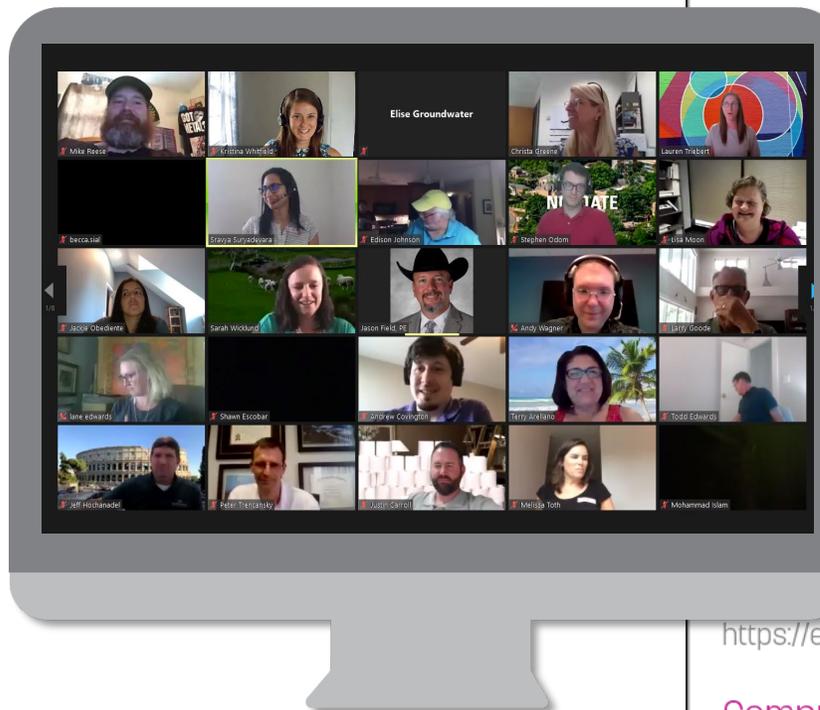
<https://engagedurham.com/durham-county-transit-plan/>

Comprehensive Plan

The Comprehensive Plan includes topics on transportation and is therefore collaborating with the Transit Plan. Visit [ENGAGEDurham.com](https://engagedurham.com) to learn more, sign-up for updates, and get involved.



ENGAGEDurham | Comprehensive Plan



The Durham Transit Plan Vol. 1 • No. 1
September 2020

Durham Transit Plan

WHAT IS A TRANSIT PLAN?
A Transit Plan determines how public transportation funds will be managed and spent. A good transit plan incorporates public input and feedback throughout the planning process.

THE DURHAM TRANSIT PLAN
The Durham Transit Plan will decide how we invest in, expand, and prioritize our public transportation network over the next 20 years. In 2011, Durham County voters approved a half-cent sales tax to fund transit improvements in Durham and the Triangle region. With the discontinuation of the Durham-Orange Light Rail project in 2019, a plan update is required to use funds that would have been spent on the light rail project. This update will take another look at the contents of the 2017 Transit Plan to identify local transit service improvements, potential high-capacity investments, and help prioritize funds for upcoming projects.

Announcements

- Learn more about the Durham Transit Plan at <https://engagedurham.com/durham-county-transit-plan/>
- Take the Transit Plan Survey at <https://www.surveymonkey.com/r/DurhamTransit>

Public Input!

2021
Public Outreach Spring | Final Report and Implementation Plan | Public Outreach Summer

ENGAGEDurham Comprehensive Plan
Transit Plan

Involved?

Give us your input. We will help you shape the future of public transportation in Durham and the Triangle. Sign up for updates and get involved with the new Durham Transit Plan.

SurveyMonkey

Durham Transit Plan Phase I

How should your public transportation dollars be spent?

The Durham Transit Plan will decide what public transportation projects get money (like buses, door-to-door service, trains, etc.) from the transit sales tax and we need your help updating the plan!

Do you see your public transportation priorities in the questions below?

If you think we missed anything, please let us know in the comment boxes. Your answers will shape what public transportation improvements and projects will be included in the new Durham Transit Plan.

Which of the choices below is more important?

- Making it easier, more convenient, and safer to travel within Durham
- Making it easier, more convenient, and safer to travel between Durham and other places in the Triangle

Durham Transit Plan

¡Ayuda a determinar el futuro del transporte público en Durham!

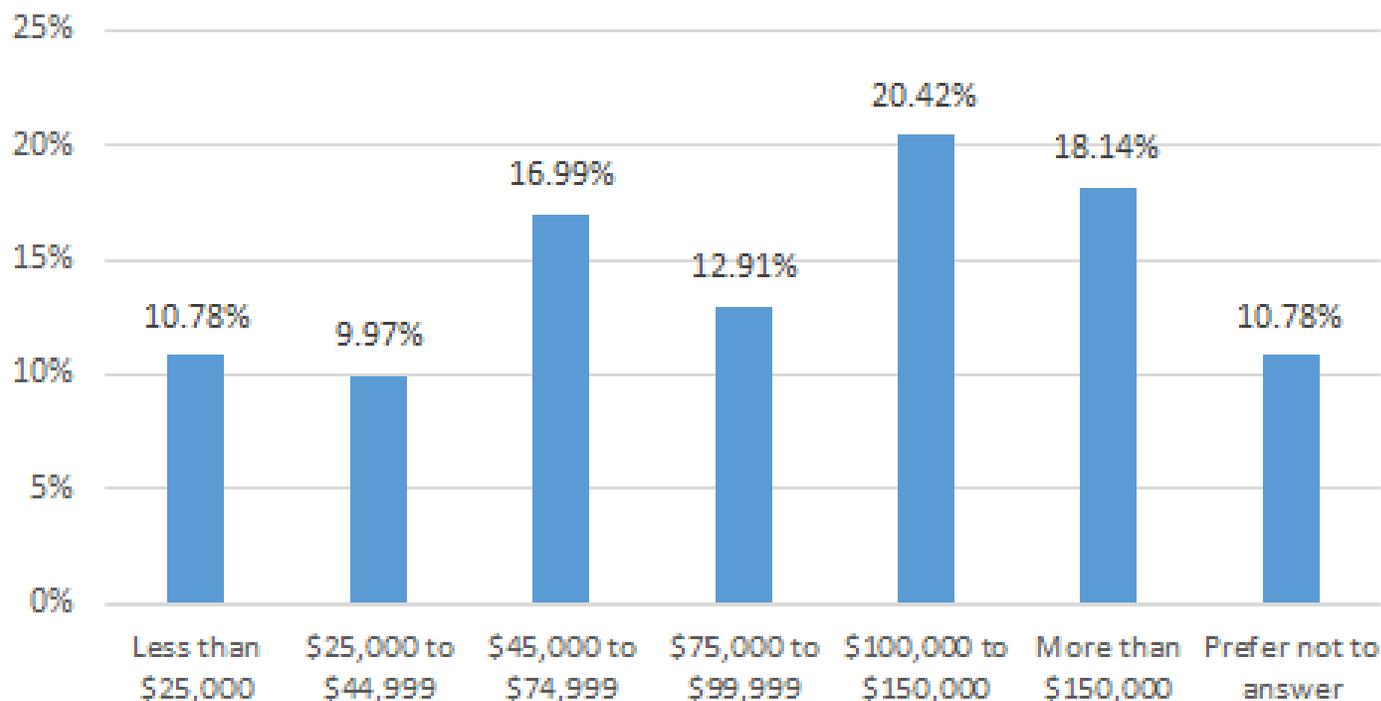
Para involucrarte, visita: <https://engagedurham.com/>

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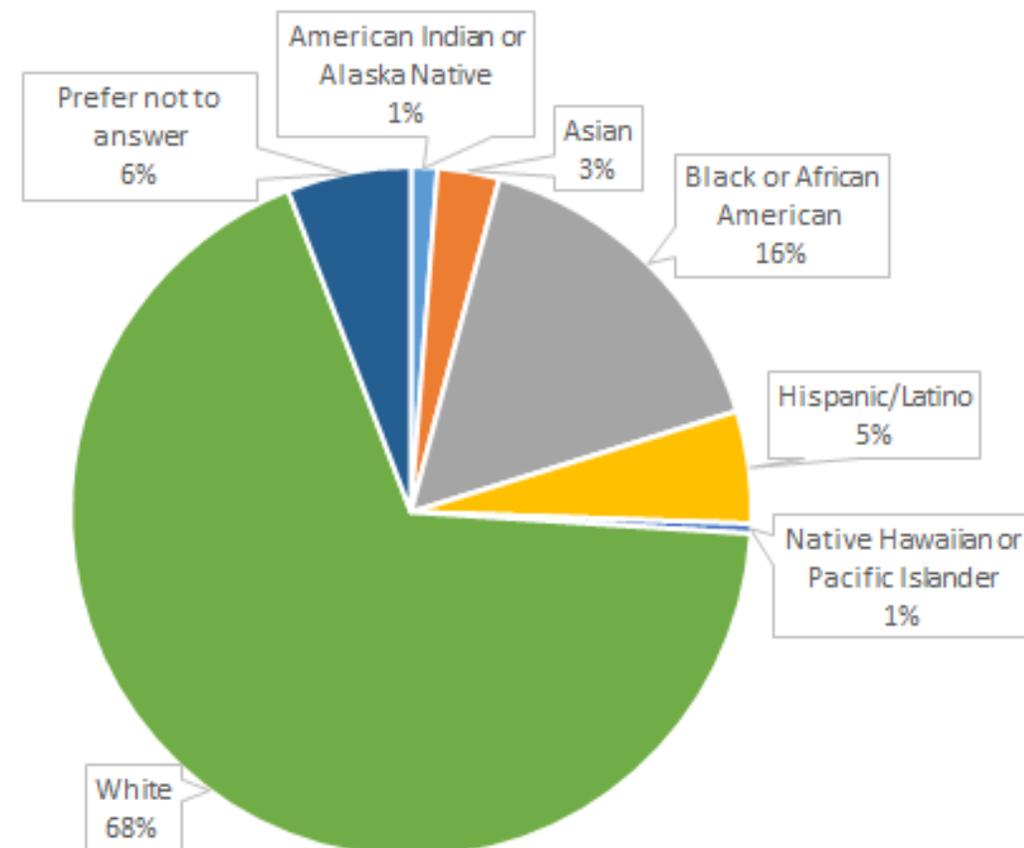
Online Survey Summary

- 673 Respondents
- 50% are current public transit users

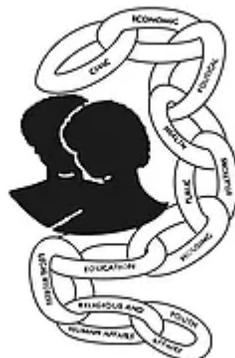
What is your household income?



What is your race and/or ethnicity?



Stakeholder Meetings



Durham Committee on the Affairs of Black People



Durham Congregations In Action



Stakeholder Interview Summary

- Invest in full access to the system
- Focus on access to jobs, commercial areas, schools, grocery stores
- Paratransit - on time performance and wait times
- Prioritize BIPOC communities
- More frequent service and longer service hours
- More regional connections
- Direct & crosstown routes to major destinations outside of downtown
- Safety at stops and on the bus
- Improvement of service & customer information and application
- Better on-bus logistics - strollers and bicycles, e.g.

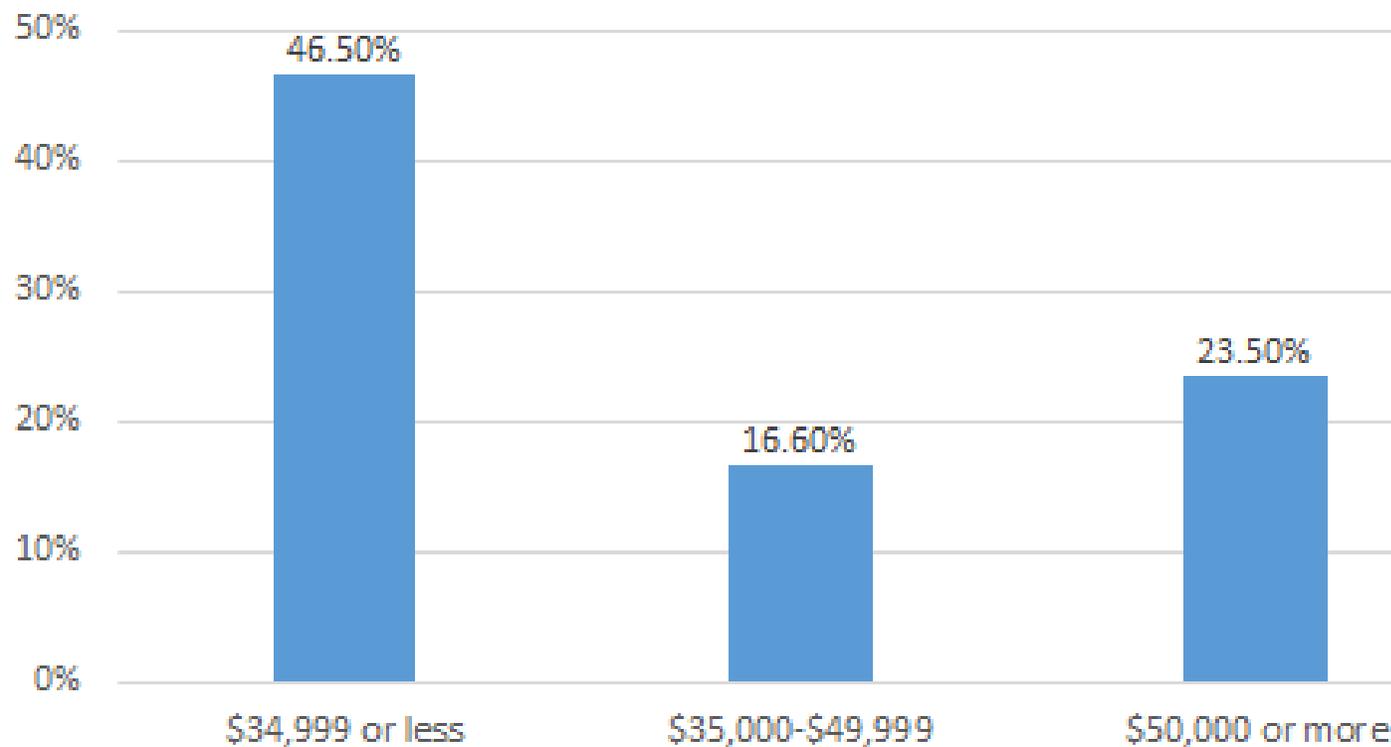
Engagement Ambassadors

- Direct engagement with under-represented communities
 - Communities of color
 - Spanish-speakers
 - Youth
 - Lower-income
 - Unincorporated areas
- Compensated ambassadors
- More than half of comments expected to come from ambassadors

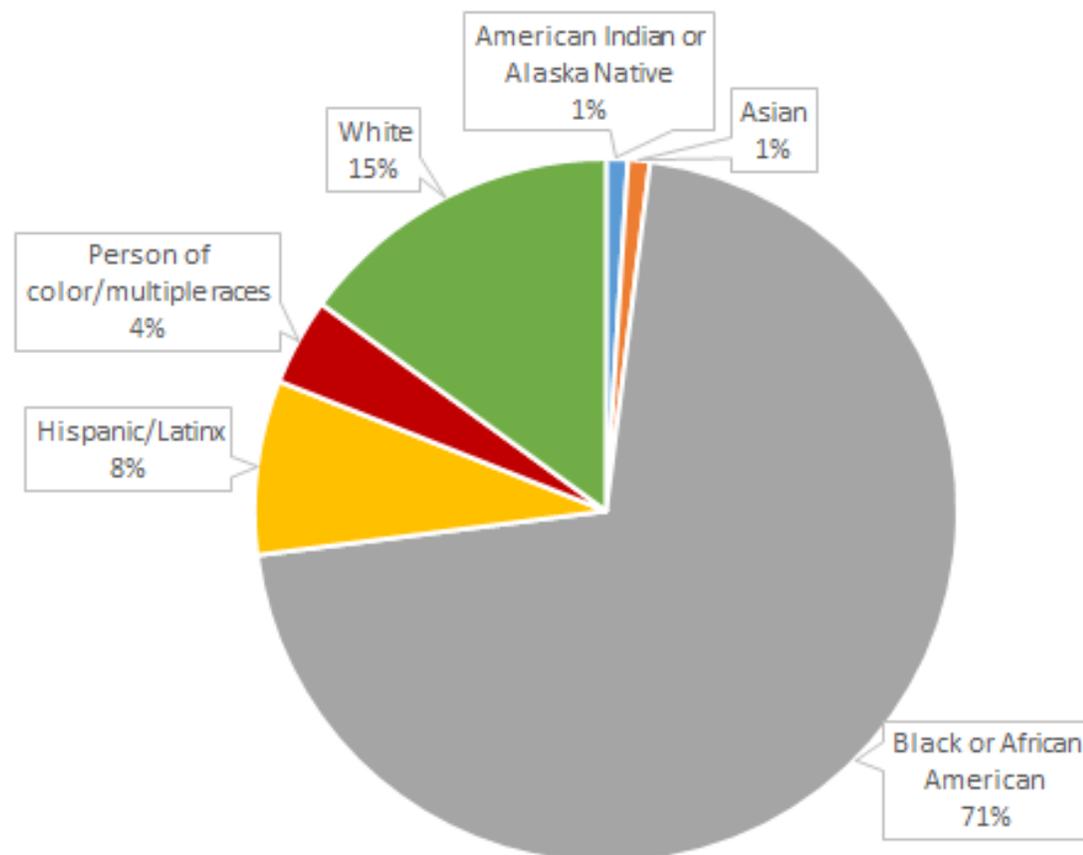
Engagement Ambassador Summary

- 174 total responses
- 70% are current public transit users

What is your household income?



What is your race and/or ethnicity?



Key Highlights

- **Paratransit** is the top choice for transportation projects along with commuter rail and local bus service
- More **sidewalks/crosswalks** near bus stops, more **comfortable bus stops** with benches, shelters, etc., and better **stroller and wheelchair access** were top transit improvement priorities



Outreach Key Highlights

- Across all methods of outreach, there was universal interest in the following transit improvements:
 - More 15-minute service
 - Improved bus stops
 - Increased sidewalk access
 - Crosstown service
 - More transit access to jobs
- Engagement Ambassador Session responses that differed from online survey responses:
 - Investments in paratransit service prioritized over commuter rail
 - Street maintenance/road quality was mentioned as a high-priority for investment
 - Wheelchair and stroller access at bus stops and onto buses prioritized more heavily
 - Service running later at night was cited as a higher priority during Engagement Ambassador sessions than in the online survey

Answers to open-response questions and general comments related to “how to improve transit the transit experience in Durham County” summarized into themes

Outreach Methods MPO Board 04/14/2021 Item 14

Online Survey	Engagement Ambassadors	Stakeholders
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Themes	More Frequency	X	X	X
	More Hours		X	X
	More Stops	X	X	
	More Routes (Local and Regional)	X	X	X
	Crosstown Service	X		X
	High-Capacity/Direct Regional Connections	X		X
	Street Maintenance		X	
	Sidewalks	X	X	X
	Cleanliness	X	X	
	Safety	X	X	X
	Improved Stops	X	X	X
	Affordability	X	X	

Phase II Outreach

- Tentative Release – May 17
- Same four methods as Phase I
 - Engagement Ambassadors
 - Stakeholder Interviews
 - Online Survey
 - In-person tabling at major transit sites
- Outreach will conclude mid-to-late June

Scenarios

Note: Transit Terms and Icons subject to review and change before being released to public

Transit Terms



Crosstown Service



Regional Service



Bus Transit Corridors – *Formally “Transit Emphasis Corridor (TECs)”*



Transit Signal Priority Corridors – *Formally “Bus Priority Corridors”*

Note: Transit Terms and Icons subject to review
and change before being released to public

Transit Terms



Bus Rapid Transit



Commuter Rail



On-Demand Zones



Transfer Center



Park and Ride

Outreach Key Highlights



Addressed at the same level in every scenario



Addressed at varying levels in each scenario



More frequent service (expanded 30-minute)



Improve bus stops



Service later at night



More routes going more places



More transit access to jobs



More sidewalk access to bus stops



Faster, more reliable service



Commuter Rail



Paratransit Service Improvements

Committed Projects – Operating

GoDurham	GoTriangle
Route 1 Improvements	Route 400 Improvements
Route 2 Improvements	Route 405 Improvements
Route 4 Improvements	Route 700 Improvements
Route 5 Improvements	Route 800 Improvements
Route 8 Improvements	Route ODX
Route 10 Improvements	Route DRX (additional trips)
Route 12 Improvements	Paratransit expansion
Route 20 Improvements	Customer Surveys (GoTriangle and GoDurham)
Expanded Sunday Service (to 9pm)	Tax District Staff
Expanded NYE Service	Transit Plan Staff
Youth GoPass	Youth GoPass
Food Access for Seniors	

Committed Projects – Capital

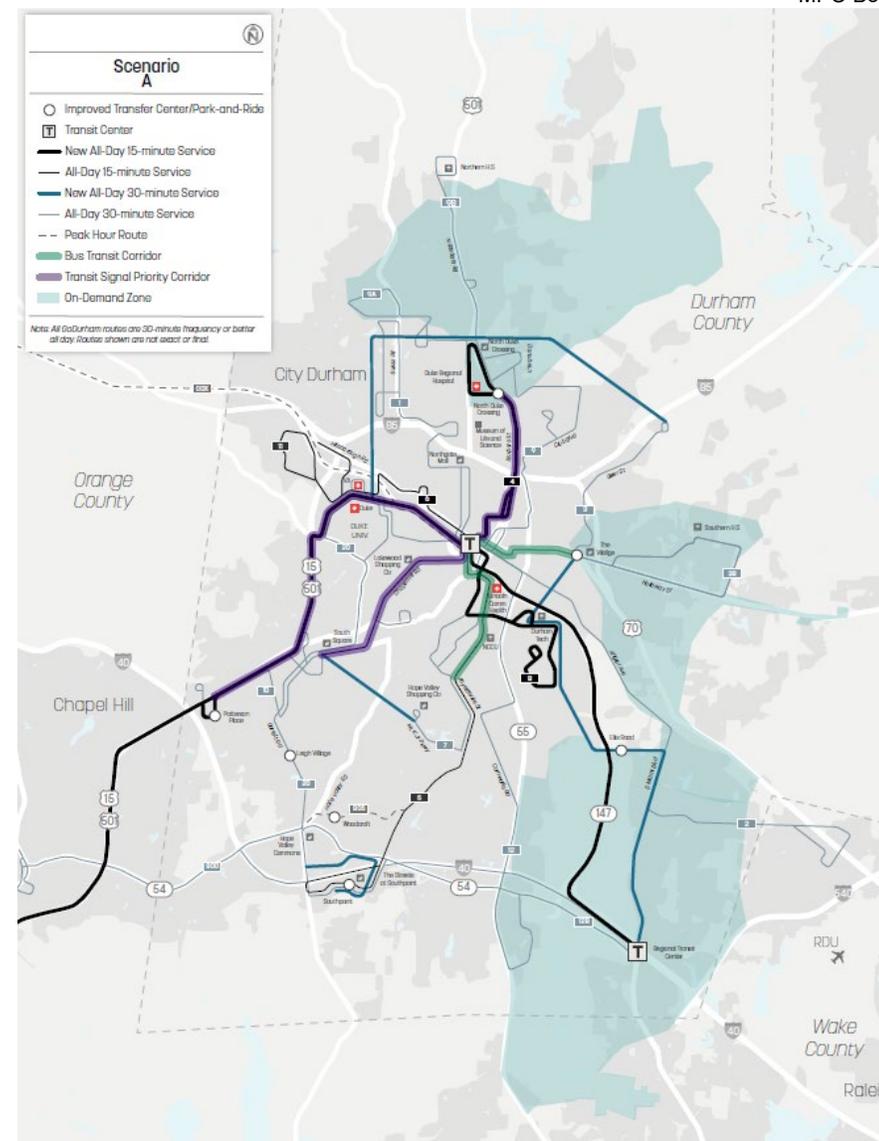
GoDurham	GoTriangle
Holloway Street Bus Transit Corridor	Patterson Place Improvements
Fayetteville Street Bus Transit Corridor	Bus Stop Improvements (Durham County)
Village Transit Center	Tactical Transit Amenities
Bus Stop Improvements	Southpoint Transit Center
Renewal Bus Purchases	Renewal Bus Purchases

Asserted Projects

GoDurham	GoTriangle
GoDurham Bus Maintenance Facility	Regional Transit Center Relocation
Microtransit/On-Demand Service	GoTriangle Bus Maintenance Facility
Durham Station Passenger Facility Improvements	

Scenario A

- Focus on bus operations
 - Reduce headways
 - Extend hours
 - Relieve crowding
- Capital expenditures for bus purchases, Bus Operations and Maintenance Facilities, and transfer centers



Crosstown Routes

Danube/Hebron to Downtown Durham

North Durham to Duke/VA Hospital

East Durham to NCCU

Hebron/Danube to Walmart/Glen View Station

South Durham to South Square

East Durham to RTP

South Durham to Duke/VA Hospital

Park & Rides/ Transfer Centers

Patterson Place

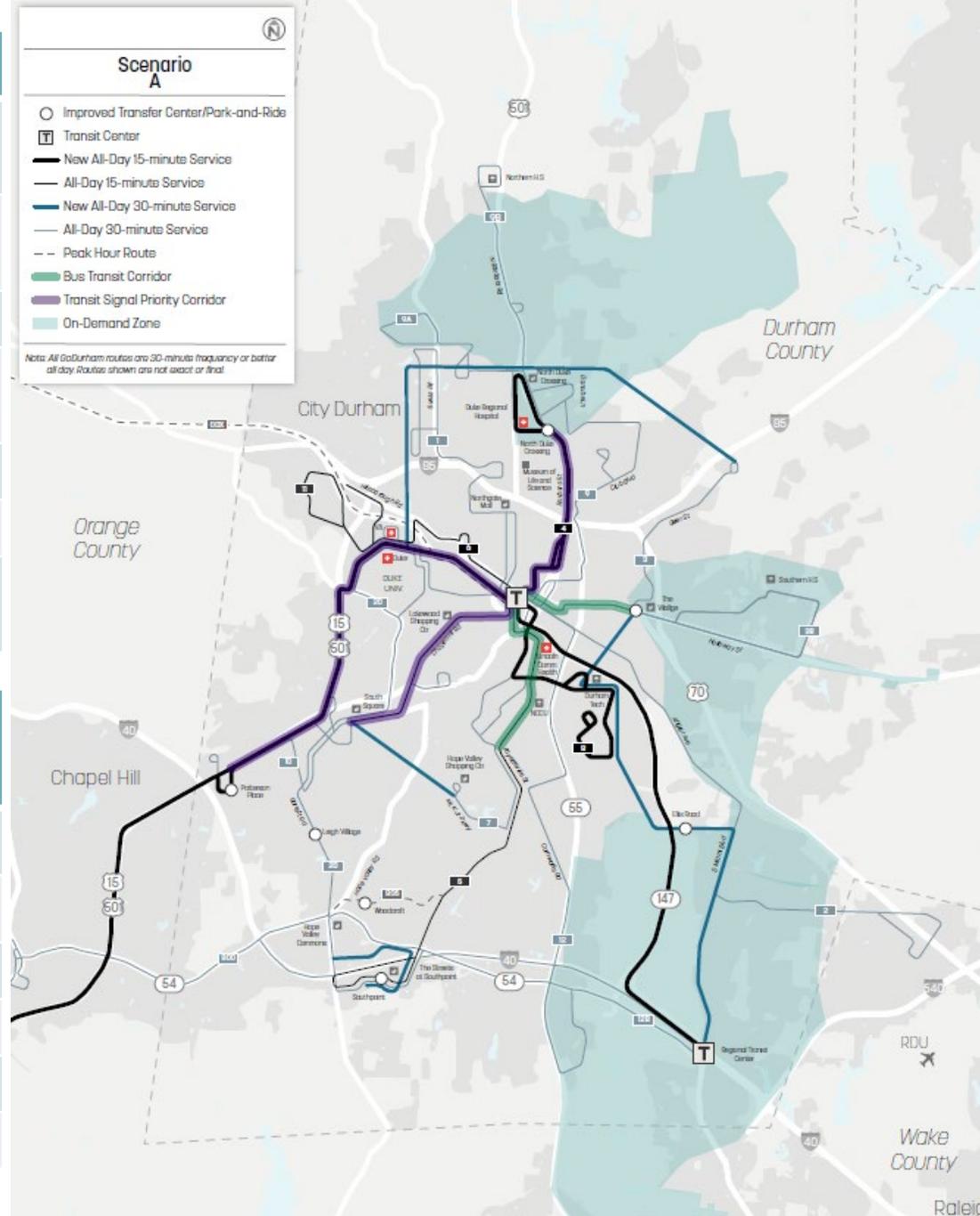
North Duke Crossing

Woodcroft

Ellis Road

Leigh Village

Southpoint



Frequency Improvements

MPO Board 04/14/2021 Item 14

Midday and evening service on Route 405 (includes CHT Route D Extension)

Midday Service on DRX

15-minute Frequency (all day) Route 700

15-minute frequency on Routes 4 & 8

Extend Sunday service to 11pm on Routes 400 & 700

Extend 30-minute service to 12:30am on GoDurham

Extend Sunday service to midnight on GoDurham

Add peak frequency on existing 15-minute GoDurham routes

Transit Signal Priority Corridors

Chapel Hill Rd

West Main/Hillsborough/Fulton

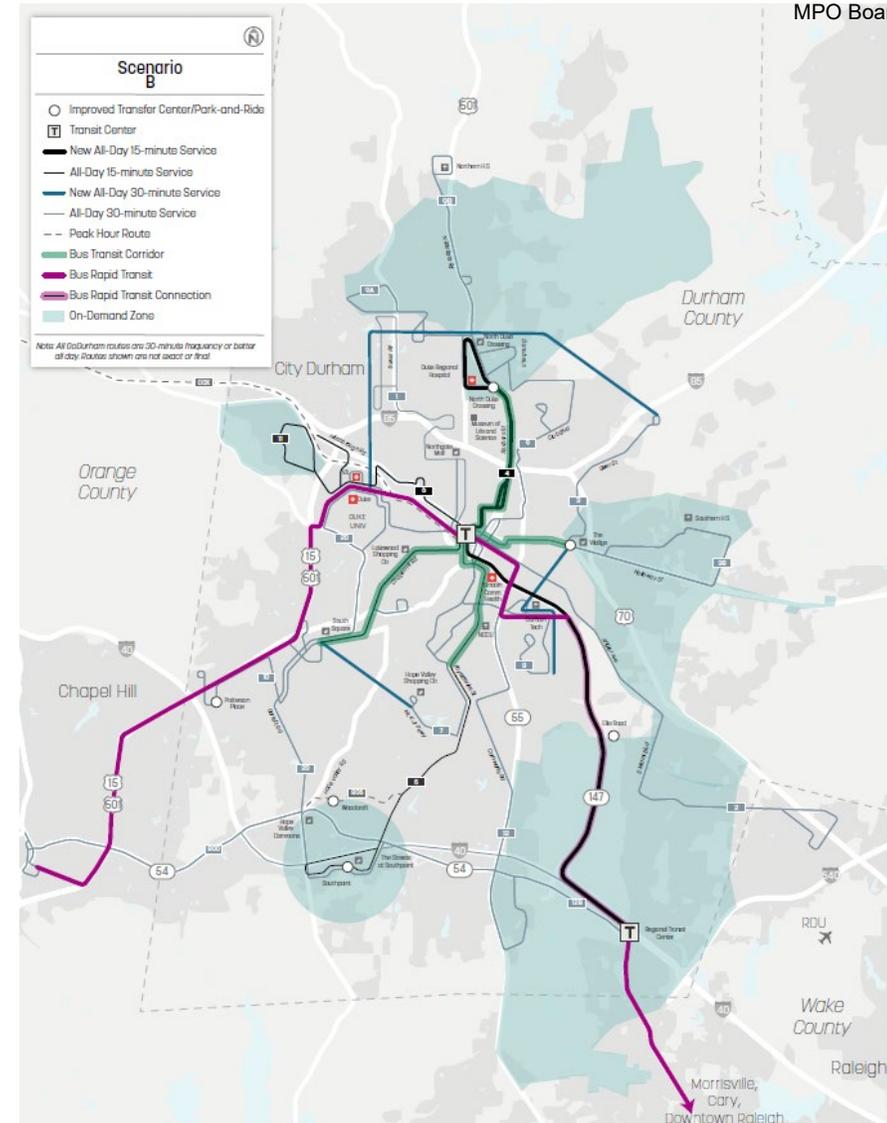
East Main Street

US 15/501

Roxboro Rd

Scenario B

- Focus on bus capital improvements
- Bus Rapid Transit
 - Faster and more efficient service
 - Dedicated lanes
 - Improved regional connections
- Fewer operational improvements and later implementation for improvements than in Scenario A



Crosstown Routes

Danube/Hebron to Downtown Durham

North Durham to Duke/VA Hospital

East Durham to NCCU

Hebron/Danube to Walmart/Glen View Station

South Durham to South Square

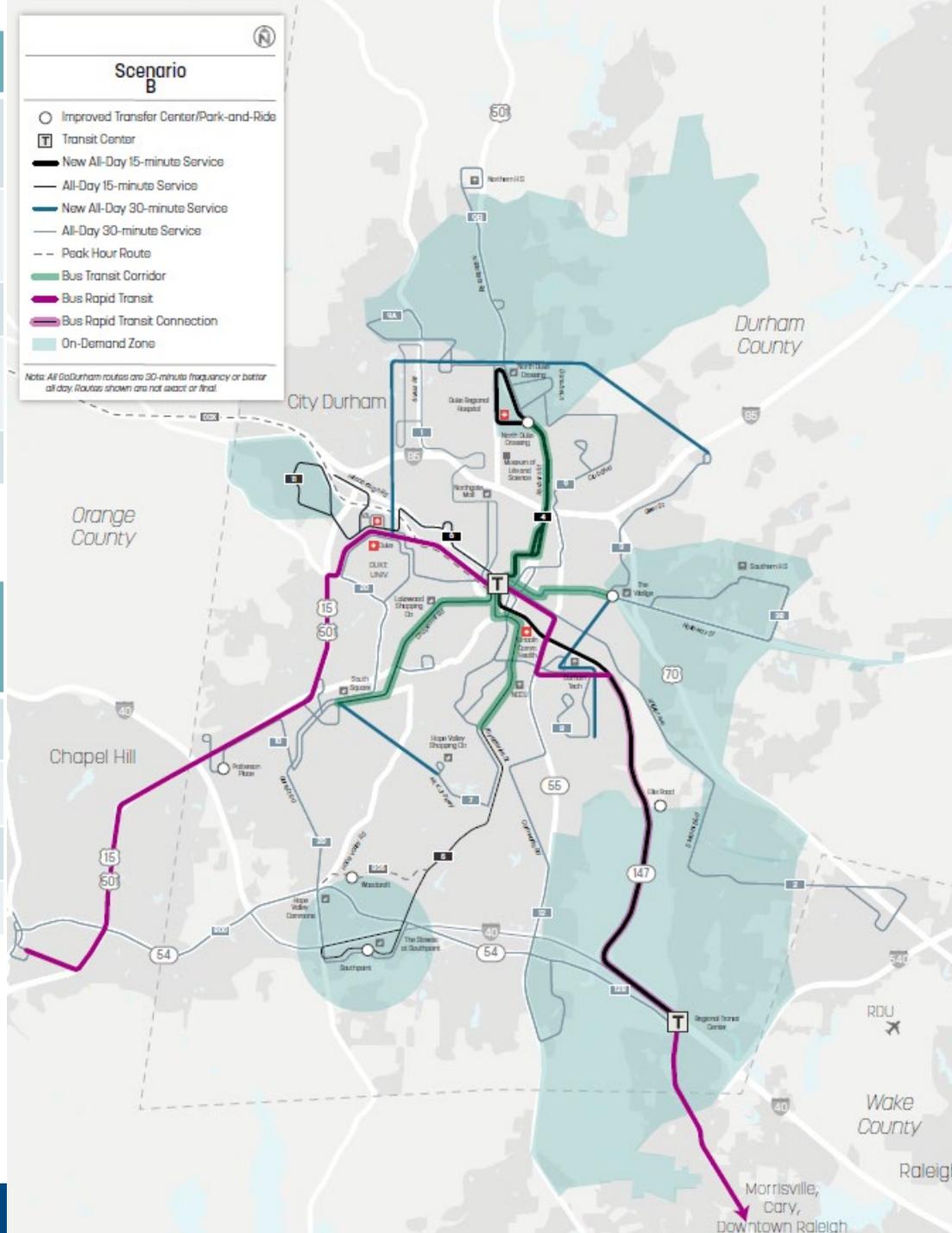
Park & Rides/Transfer Centers

Patterson Place

North Duke Crossing

Woodcroft

Ellis Road



Frequency Improvements

MPO Board 04/14/2021 Item 14

Midday service on Route 405

Midday Service on DRX

15-minute frequency on Route 4

Extend 30-minute service to 12:30am on GoDurham

Extend Sunday service to midnight on GoDurham

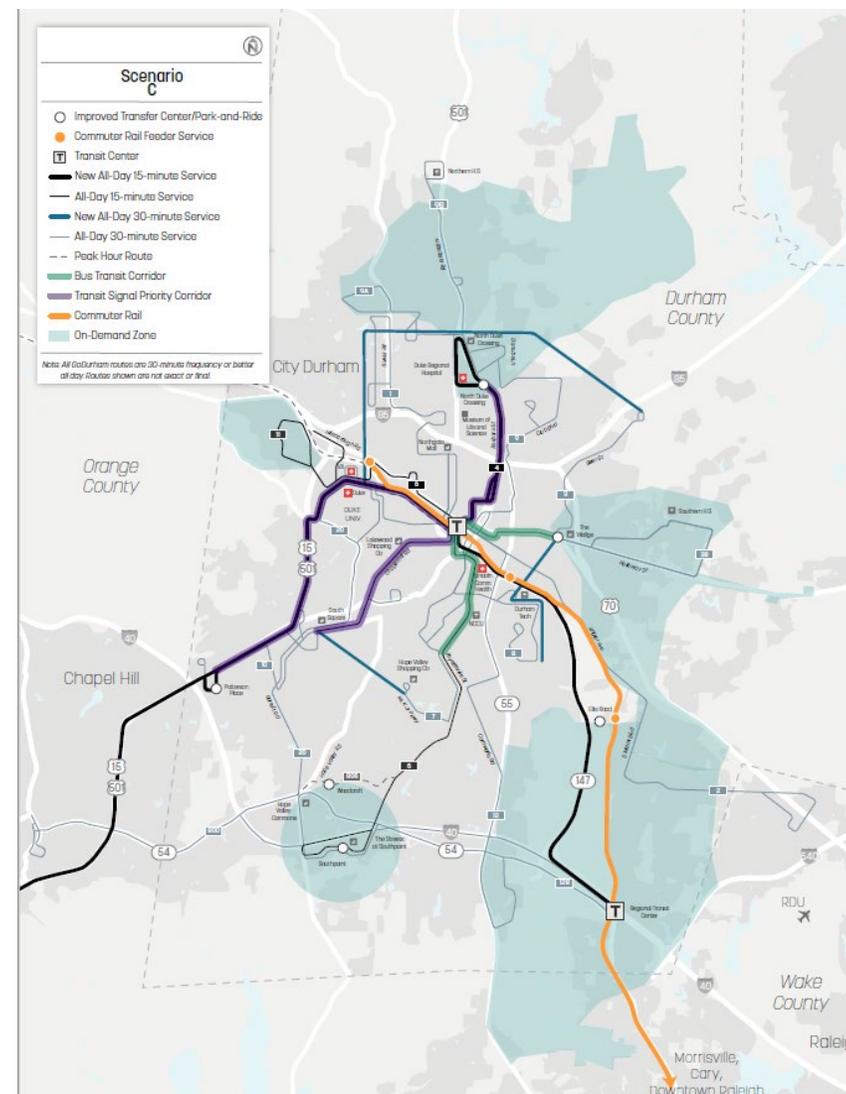
Add peak frequency on existing 15-minute GoDurham routes

Bus Transit Corridors

Corridor	Improvement
Chapel Hill Road	TSP, queue jumps, sidewalks, bus stops
Roxboro Road	TSP, queue jumps, sidewalks, bus stops
East Main/Alston/Lawson	BRT Corridor
West Main/Erwin	BRT Corridor
US 15-501	BRT Corridor

Scenario C

- Inclusion of Commuter Rail
 - Rapid, dependable service to Wake (and possibly Johnston) County
 - Serves major Durham destinations
- Fewer bus operational and capital improvements and later implementation for improvements than in Scenarios A & B



Crosstown Routes

North Durham to Duke/VA Hospital

East Durham to NCCU

Danube to Walmart

South Durham to South Square

Park & Rides/ Transfer Centers

Patterson Place

North Duke Crossing

Woodcroft

Ellis Road

Transit Signal Priority Corridors

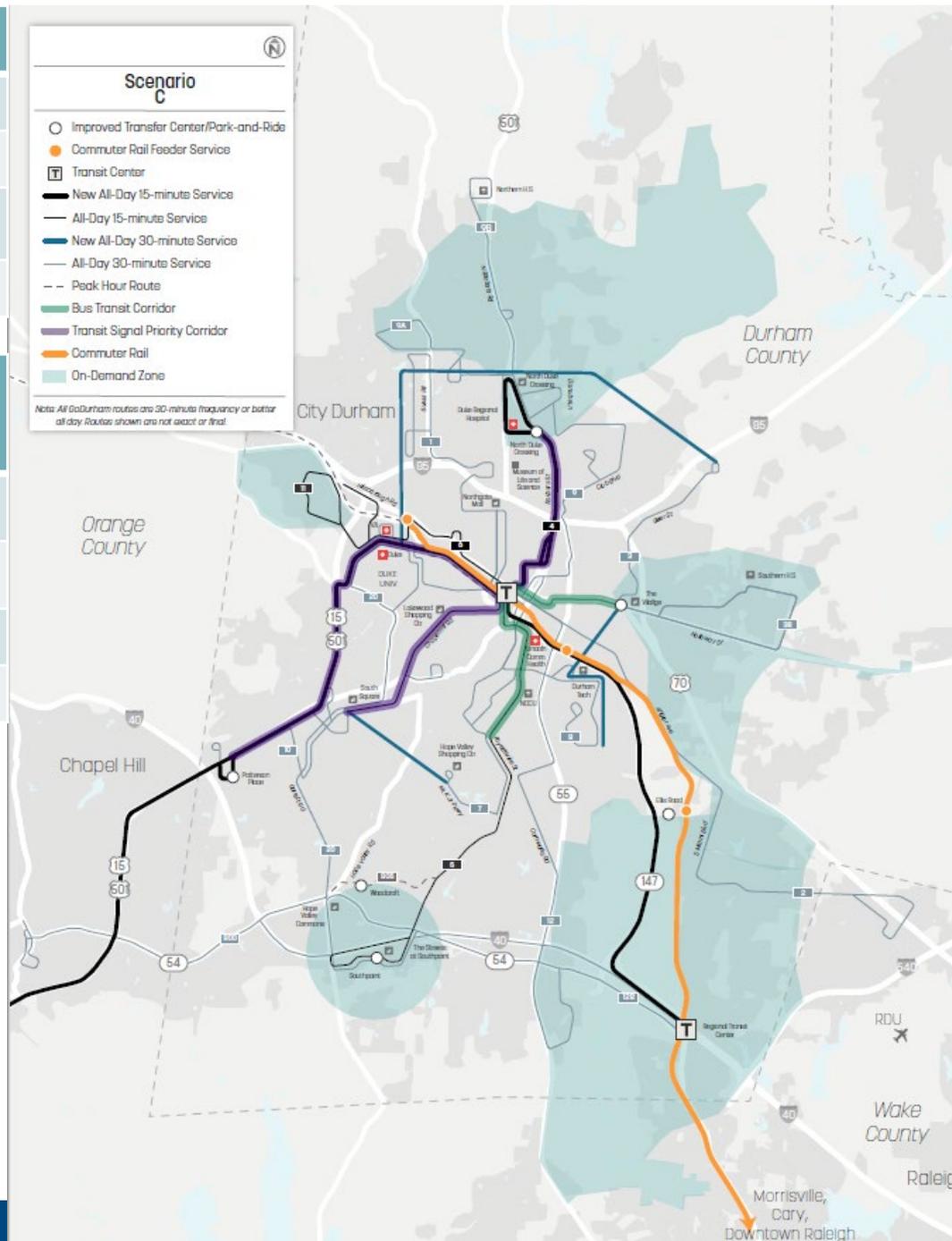
Chapel Hill Rd

West Main/Hillsborough/Fulton

East Main Street

US 15/501

Roxboro Rd



Frequency Improvements

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Midday and evening service on Route 405 (includes CHT Route D extension)

15-minute frequency on Route 4

15-minute frequency on Route 700

Extend 30-minute service to 12:30am on GoDurham

Extend Sunday service to midnight on GoDurham

Add peak frequency on existing 15-minute GoDurham routes

Commuter Rail

West Durham to Garner or Clayton

8-2-8-2 service

Next Steps



Durham Transit Plan – Project Timeline



Durham Transit Plan Next Steps

- Phase II Outreach – Mid-May to Late June
- Construction of Preferred Scenario – July
- Update Elected Boards – August
- Begin Phase III Outreach – Late August or Early September