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Create and execute continuing, cooperative and comprehensive regional long-range planning efforts that pro-actively drive transportation decisions to improve safety, connectivity, economic development and quality of life in the Wilmington region.

**Wilmington Urban Area Metropolitan Planning Organization
Citizen Advisory Committee
Meeting Agenda**

TO: Wilmington Urban Area MPO Citizen Advisory Committee
FROM: Mike Kozlosky, Executive Director
DATE: May 4, 2018
SUBJECT: May 9th meeting

A meeting of the Wilmington Urban Area MPO Citizen Advisory Committee will be held on Wednesday, May 9th at 2 pm. The meeting will be held in the 6th Floor Conference Room located at 320 Chestnut Street in downtown Wilmington.

The following is the agenda for the meeting:

- 1) Call to Order
- 2) Election of Temporary Chair
- 3) Approval of Minutes- March 14, 2018
- 4) Presentation- Emerging Technologies (Public Transportation)
- 5) Cape Fear Moving Forward 2045 Update
- 6) Existing Conditions Analysis
- 7) Socio-economic Data
- 8) Modal Subcommittees
- 9) Next Meeting- June 13, 2018
- 10) Adjourn

Attachments:

- Meeting Minutes- March 14, 2018
- Brochures in English and Spanish
- Existing Conditions Maps

Wilmington Urban Area Metropolitan Planning Organization

City of Wilmington • Town of Carolina Beach • Town of Kure Beach • Town of Wrightsville Beach
County of New Hanover • Town of Belville • Town of Leland • Town of Navassa • County of Brunswick
County of Pender • Cape Fear Public Transportation Authority • North Carolina Department of Transportation



WILMINGTON URBAN AREA
METROPOLITAN PLANNING ORGANIZATION

Citizens Advisory Committee
6th Floor Conference Room, 320 Chestnut
Street Wednesday, March 14, 2018
Meeting Minutes

Members Present:

Laura Padgett, Chair, City of Wilmington
David Hollis, Brunswick County
Sallie Rochelle, Pender County
Web Bostic, New Hanover County
Jason Windham, City of Wilmington
Harold King, Town of Wrightsville Beach
Stuart Smith, Town of Belville
Brayton Willis, Town of Leland
Valorie Hatten, Town of Navassa
Vanessa Lacer, Cape Fear Public
Transportation Authority

Others Present:

Mike Kozlosky, Executive Director, WMPO
Michael Madsen, GIS Analyst, WMPO
Abigail Lorenzo, Associate Planner, WMPO
Jason O'Brien, Associate Planner, WMPO
Fred Royal, Project Engineer, WMPO

1. Call to Order

Ms. Padgett called the meeting to order at 2:04 p.m. She introduced Mr. Brayton Willis representing the Town of Leland. Mr. Willis expressed appreciation and shared some background information about himself.

2. Approval of Minutes – February 14, 2018

Mr. King made a motion to approve the minutes of February 14, 2018, seconded by Mr. Bostic, and the motion carried unanimously.

3. Presentation – Emerging Technologies (Aerial Drones)

Mr. O'Brien gave the second presentation in the series of emerging technologies on aerial drones. He reminded members about the expected rapid transformation of transportation through emerging technologies, and commented that many transportation agencies are unprepared for it. He noted that autonomous vehicles are not apparent yet due to the incomplete nature of the technology; whereas drones are ready but banned by federal regulations, which prohibit drone flights over populated areas in the United States. He displayed videos on the drone delivery services of Amazon, Walmart and UPS.

Mr. O'Brien stated that 2,000 new drones are registered by the Federal Aviation Authority (FAA) daily, not including toys. He noted that there are currently twice as many registered drones as manned aircraft. He added that the FAA expected 1.3 million licensed drone pilots by 2020. He noted that drone development includes swarms, in-air refueling and repair, nested systems with larger drones deploying smaller ones such as Amazon's unmanned airship, and beaming 5G.

Mr. O'Brien stated that drone technology is advancing and is expected to surpass truck delivery especially for lighter packages over short distances in rural areas, and the first and last mile gaps where truck delivery is inefficient. He noted that the public is excited about the future prospect of rapid delivery, delivery anywhere, and emergency management and humanitarian applications. Concerns are mainly about safety related to malfunctions.

Mr. O'Brien gave an overview of current regulations and noted that exemptions are granted on a case-by-case basis. He explained that air space is divided vertically to restrict unmanned aircraft up to an altitude of 400 feet; 100 feet below fixed wing, manned aircraft. He noted that the laws

are determined by case law. He pointed out that the high cost of flight will not help curb drone use. He displayed a couple of videos of passenger drones in Dubai.

Mr. O'Brien stated that drones are more cost effective and less complicated to operate than autonomous vehicles. He noted that they are expected to outpace and perhaps overtake autonomous vehicles. He pointed out that with the rapid development of drones, their emergence will be dependent on the evolution of regulations and gave a rough timeline for their emergence. He recommended developing a vision, engaging in policymaking and long-range planning, re-evaluating long-term investments in truck freight, incorporating drones into emergency management plans and long-term traffic projections in rural area, and vigilance regarding advancements by other countries in drone use over populated areas.

Ms. Padgett pointed out that this is the first Committee to consider such technologies and their impact. She suggested that members research Masdar City to get a better idea regarding the gap between intention and the current limited reality of autonomous vehicles.

Mr. Kozlosky reminded members that these presentations are merely food for thought.

A question/answer and discussion period was held.

4. Modal Subcommittee Update

Ms. Kozlosky stated that based on requests from members at the last meeting, MPO staff members have been removed from the Bicycle and Pedestrian Subcommittee, and a Chamber of Commerce representative has been added to the subcommittees. He distributed lists of final subcommittees.

Mr. Willis offered to take Mr. Obrock's place on the Roadway Subcommittee.

Mr. Kozlosky stated that the next step would be to reach out to the various entities for them to identify individuals for participation. He recommended that the subcommittees begin meeting in July.

Ms. Padgett pointed out that the subcommittees will determine their own meeting schedules.

Mr. Kozlosky advised that subcommittees met about once a month for the previous plan.

5. Public Involvement Update

Ms. Lorenzo gave a brief update on public outreach. She noted that the kickoff meeting is scheduled for April 3rd from 4:00 p.m. to 6:00 p.m. in the Oleander Room at the Northeast Branch of the New Hanover County Library on Military Cutoff Road (near Mayfaire). She noted that it will be conducted similar to an open house and will also feature some speakers. She added that staff is working on a press release and advertising to get the word out.

Ms. Lorenzo stated that the event will be followed by brief, five-minute presentations at board meetings of the member jurisdictions. She noted that respective staffs have been contacted and a schedule has been developed. She added that in May, five additional open houses will be held throughout the MPO region to give the public the opportunity to provide input through surveys and participate in the process. She noted that sample promotional materials from the consultant and the finalized MTP survey have been included in the agenda packet.

Mr. Kozlosky pointed out that the survey is available in Spanish as well as in English.

Mr. Madsen stated that the 2045 Plan logo has been updated with the tagline. He noted that it would be featured on all promotional materials, the website and surveys. He displayed a preview of the website, the surveys, links to social media sites, and the interactive map complete with instructions. He added that www.capefearmovingforward2045.org will go live on March 30th, a few days before the kickoff event.

Ms. Lacer requested that all the promotional materials be revised to refer to the "Cape Fear Region." Mr. Kozlosky responded that this revision would be made.

6. Additional Items

In response to an inquiry by Mr. Bostic, Ms. Lorenzo stated that the Facebook page now has 75 followers, and the Twitter feed has 52. She noted that members of the Board have been asked to encourage their jurisdictions to participate.

In response to an inquiry by Mr. Bostic, Mr. Kozlosky stated that attendance will be driven by various mechanisms such as press releases, social media, and save-the-date emails. He encouraged the Committee to get the word out as well. He noted that the WMPO has a fairly good relationship with the media, and hoped that it would help preview the kickoff event.

Ms. Padgett encouraged members to make use of the social media resources of their jurisdictions. She requested that members receive something that can be forwarded by e-mail.

Ms. Lacer suggested that the consultant compile a package of promotional materials. Mr. Kozlosky stated that this is in the works.

Ms. Lorenzo reminded the Committee that staff has contacted each of the jurisdictions and requested that flyers be posted at town halls and community buildings, and on social media.

Ms. Padgett encouraged Committee members to attend the open houses in May, especially those held in their represented jurisdictions.

Mr. Kozlosky noted that the schedule of open houses would be distributed to members.

Mr. Kozlosky stated that the next meeting of the CAC would be held on April 11th at City Hall in the Lord Spencer Compton Conference Room, 102 N. 3rd Street, since the expected renovations have been delayed.

Mr. Kozlosky introduced the WMPO's new Project Engineer, Fred Royal. Mr. Royal expressed appreciation and gave a brief overview of his professional background.

7. Adjournment

With no further business, the meeting was adjourned at 3:48 p.m.

Respectfully submitted,

Mike Kozlosky
Executive Director
Wilmington Urban Area Metropolitan Planning Organization

**THE ABOVE MINUTES ARE NOT A VERBATIM RECORD OF THE PROCEEDINGS.
THE ENTIRE PROCEEDINGS ARE RECORDED ON A COMPACT DISC AS PART OF THIS RECORD.**

What is the Wilmington Urban Area MPO?

The Wilmington Urban Area MPO (WMPO) is the Metropolitan Planning Organization for our region. MPO's are federally-funded organizations charged with coordinating and planning transportation projects in urbanized areas with more than 50,000 residents. Nationwide there are more than 340 MPO's. The WMPO is one of 17 MPO's in North Carolina.

About Cape Fear Moving Forward 2045:

Cape Fear Moving Forward 2045 is a federally mandated assessment of the current and future transportation needs of people and goods within the Wilmington MPO area. Cape Fear Moving Forward 2045 will create a long range transportation plan with recommendations for how those needs should be addressed over the next 25 years. The plan will establish the goals and objectives for the improvement of mobility within the WMPO planning area and make specific recommendations for transportation projects and funding sources. The plan will consider all modes of transportation which include roadway, public transport, aviation, bicycle and pedestrian, ferry, and freight.

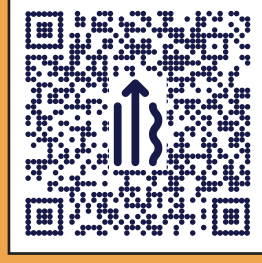
The Cape Fear region is an ever growing and changing area, both demographically and economically. To accommodate these continuing changes in our region and to meet federal requirements, the WMPO will regularly update the plan to maintain its consistency with the area's needs.

Get Involved!



Comment on our map!

goo.gl/ioQY1w



Take our survey!

goo.gl/WuwfTv

Tambien disponible en espanol

Stay Informed!



Visit our website!

www.CapeFearMovingForward2045.org



Follow us!

Twitter - @wilmingtonmpo

Facebook - Wilmington Urban Area MPO

Learn More
About the future
of our region's
transportation
network



Plan Development Schedule

Initial Public Outreach Efforts	April – July 2018
Public Comment Review & Analysis	August – September 2018
Develop Project Lists	October – December 2018
Prioritize Projects and Draft Plan	January – December 2019
Public Hearings and Plan Approval Process	January – November 2020

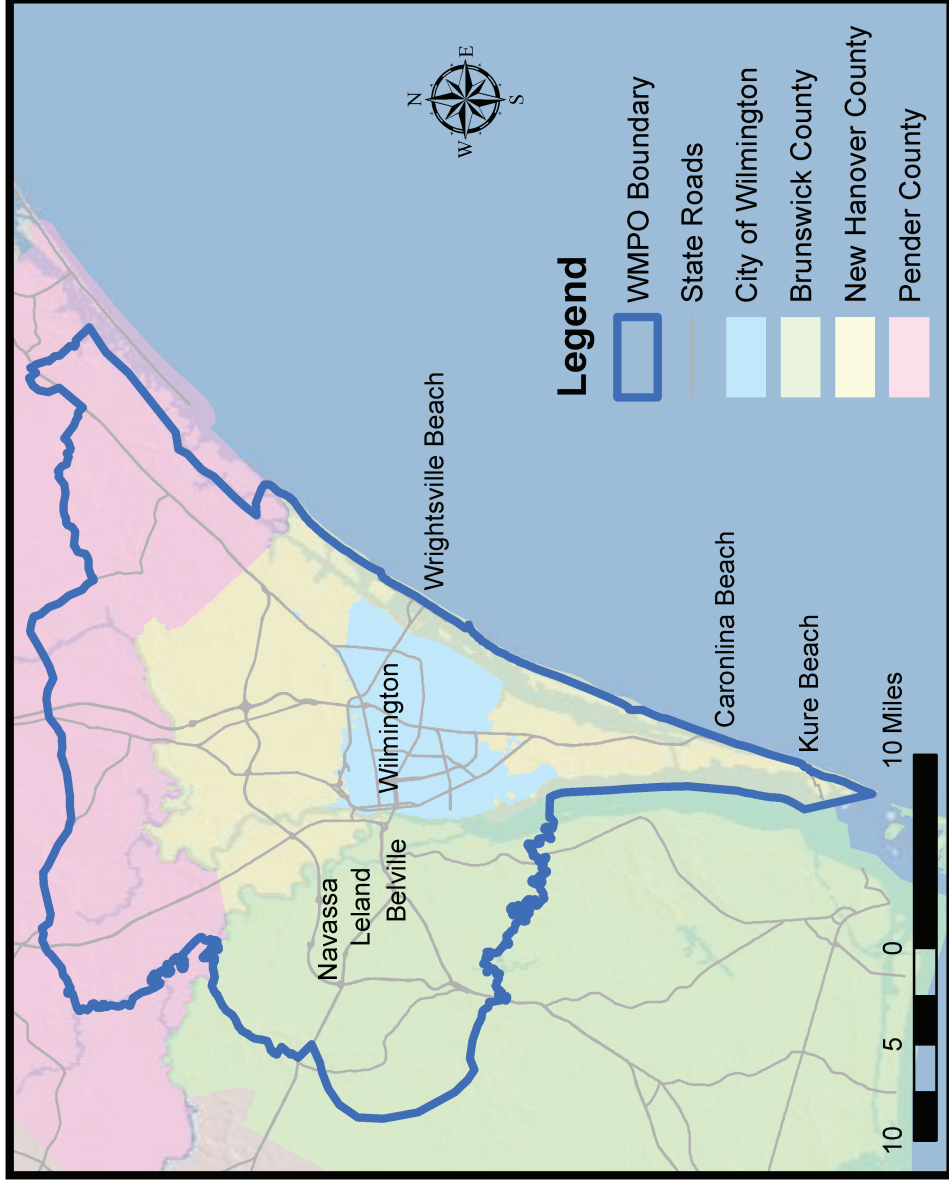
Projects supported by the **current plan, Cape Fear Transportation 2040:**

- The Hampstead Bypass
- US 17 Median projects
- Median projects
- US 74/US 76 Causeway widening
- Island Greenway in Carolina Beach
- Kerr Ave widening and intersection improvements
- Park Avenue Multi-Use Path
- Military Cutoff Road extension

Our Vision:

Cape Fear Moving Forward 2045 will plan a safe, realistic, efficient, and reliable multimodal transportation network that embraces innovation and is environmentally and socially.

Our Planning Area



The **WMPO** boundary consists of twelve member governmental agencies:

- New Hanover County
- City of Wilmington
- Town of Wrightsville Beach
- Town of Carolina Beach
- Brunswick County
- Cape Fear Public Transportation Authority
- North Carolina Board of Transportation

- Town of Belville
- Town of Leland
- Town of Navassa
- Pender County
- Town of Kure Beach

¿Qué es el MPO del área urbana de Wilmington?

El MPO del Área Urbana de Wilmington (WMPO) es la Organización de Planificación Metropolitana de nuestra región. Las MPO son organizaciones federales y sociales encargadas de coordinar y planificar proyectos de transporte en áreas urbanas con más de 50,000 residentes. En todo el país hay más de 340 MPO. El WMPO es uno de los 17 MPO en Carolina del Norte.

Acerca de Cape Fear Moving Forward 2045:

Cape Fear Moving Forward 2045 es una evaluación federalmente ordenada de las necesidades actuales y futuras de transporte de personas y bienes dentro del área del MPO de Wilmington. CapeFear Moving Forward 2045 creará un plan de transporte a largo plazo con recomendaciones sobre cómo deben abordarse esas necesidades en los próximos 25 años. El plan establecerá las metas y objetivos para la mejora de la movilidad dentro del área de planificación de WMPO y hará recomendaciones específicas para proyectos de transporte y fuentes de financiación. El plan considerará todos los modos de transporte que incluyen vías de ferrocarril, transporte público, aviación, bicicleta y peatones, ferrys y mercancías.

La región de Cape Fear es un área en constante crecimiento y cambio, tanto demográficamente como económicamente. Para acomodar estos cambios continuos en nuestra región y cumplir con los requisitos federales, la WMPO actualizará periódicamente el plan para mantener su consistencia con las necesidades del área.

¡Involúcrese!



¡Comente en nuestro mapa!

goo.gl/ioQY1w



¡Tome nuestra encuesta!

goo.gl/WuWfTv

También disponible en español

¡Manténgase informado!



¡Visite nuestro sitio web!

www.CapeFearMovingForward2045.org



¡Síguenos!

Twitter - @wilmingtonmpo

Facebook - Wilmington Urban Area MPO

**Conozca más
sobre el futuro
de la red de
transporte de
nuestra región**



Plan de desarrollo del plan

Effectos iniciales de alcance público	Abril - julio 2018
Revisión y análisis de comentarios públicos	Agosto - septiembre de 2018
Desarrollar listas de proyectos	Octubre - Diciembre 2018
Proctitar proyectos y borrador del plan	Enero - Diciembre 2019
Audiencias públicas y proceso de aprobación del plan	Enero - Noviembre de 2020

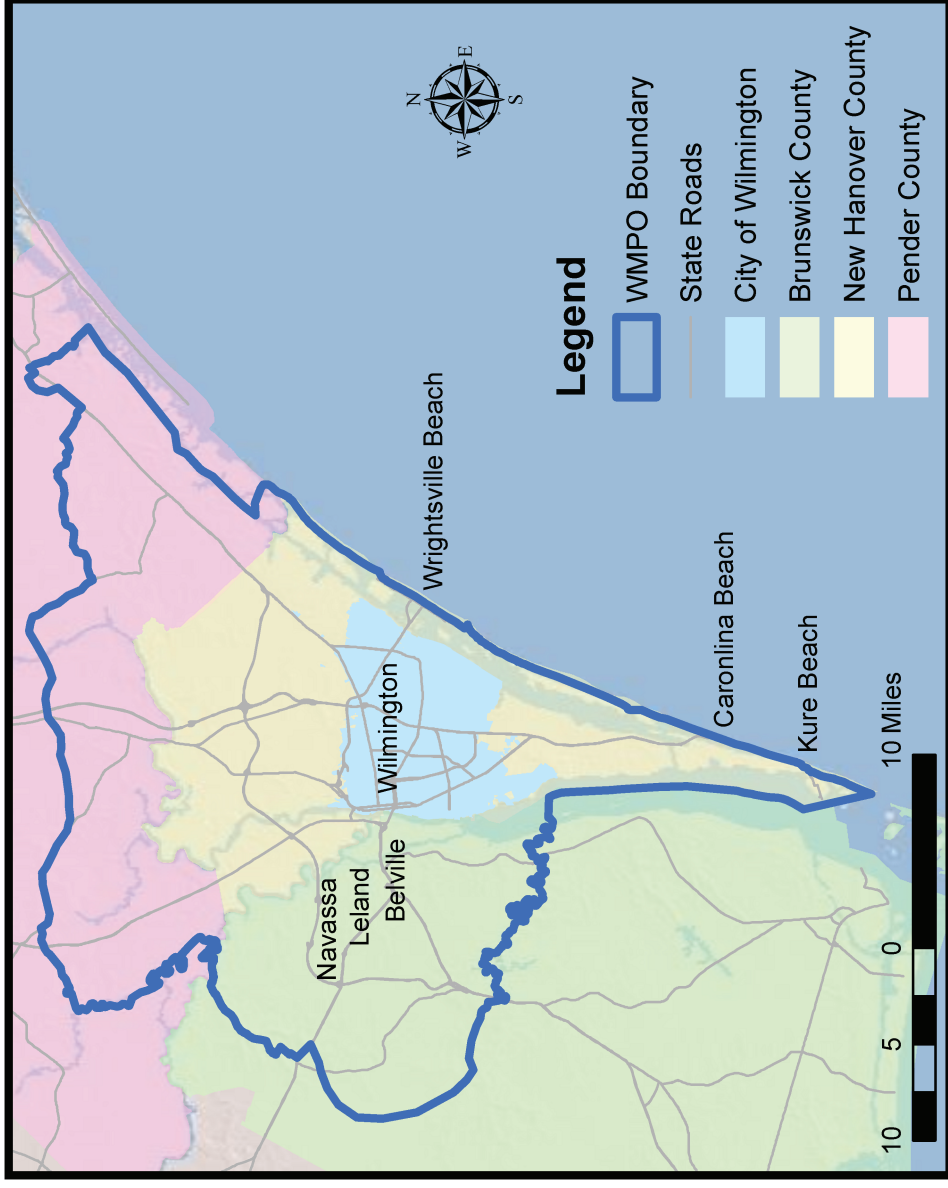
Proyectos apoyados por el plan actual, Cape Fear Transportation 2040:

- The Hampstead Derivación
- US 17 proyectos medianos
- Proyectos medianos
- US 74/US 76 Ampliación de la calzada
- Camino verde de la isla en in Carolina Beach
- Kerr Ave ensanchamiento e intersección mejoras
- Park Ruta de uso múltiple de la avenida
- Military Cutoff Extensión de carretera

Nuestra visión:

Cape Fear Moving Forward
2045 planificará una red de transporte multimodal segura, realista, eficiente y confiable que abraza la innovación y sea ambiental y socialmente responsable.

Nuestro área de planificación



El área WMPO incluye doce agencias gubernamentales miembros:

- New Hanover County
- City of Wilmington
- Town of Wrightsville Beach
- Town of Carolina Beach
- Brunswick County
- Cape Fear Public Transportation Authority
- North Carolina Board of Transportation

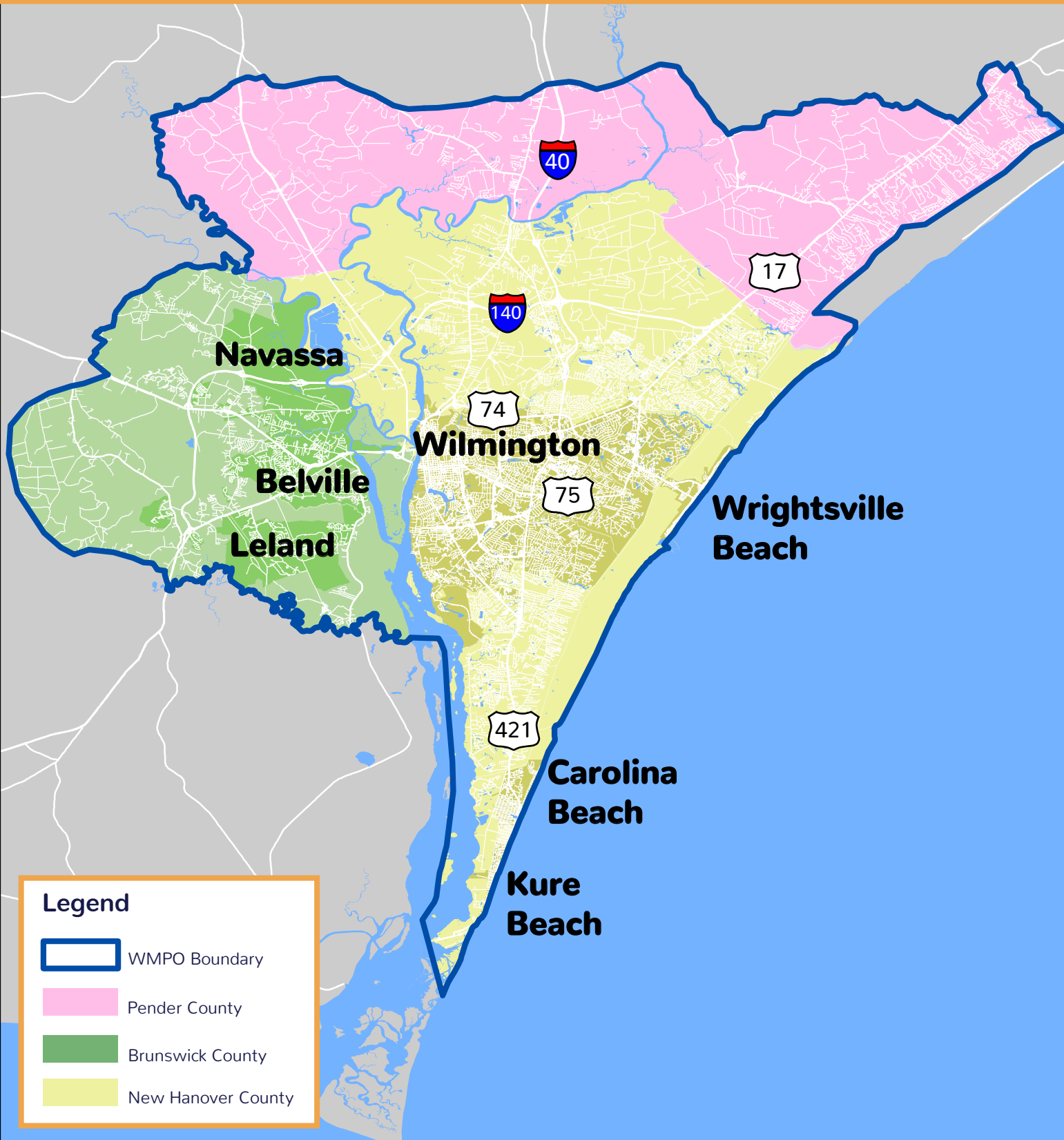
- Town of Belville
- Town of Leland
- Town of Navassa
- Pender County
- Town of Kure Beach

Wilmington Urban Area MPO Planning Area Boundary

CAPE FEAR

Moving Forward **2045**

METROPOLITAN TRANSPORTATION PLAN



Legend

WMPO Boundary

Pender County

Brunswick County

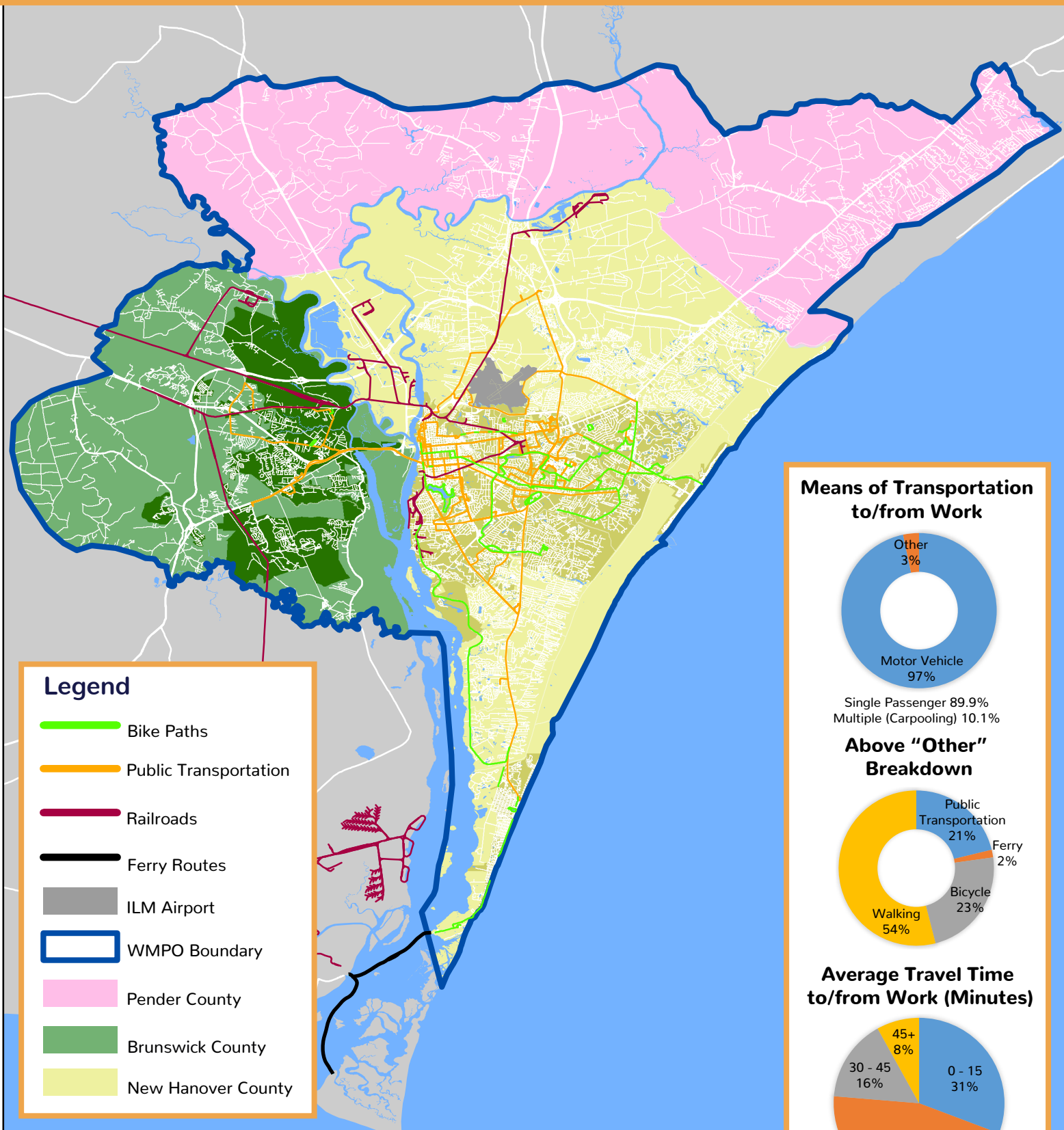
New Hanover County



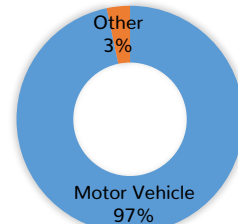
Transportation Infrastructure within the Wilmington Urban Area MPO

CAPE FEAR

Moving Forward **2045** 
METROPOLITAN TRANSPORTATION PLAN

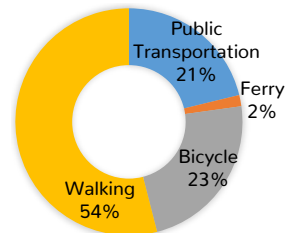


Means of Transportation to/from Work

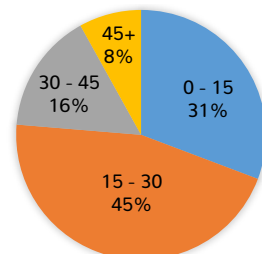


Single Passenger 89.9%
Multiple (Carpooling) 10.1%

Above "Other" Breakdown



Average Travel Time to/from Work (Minutes)

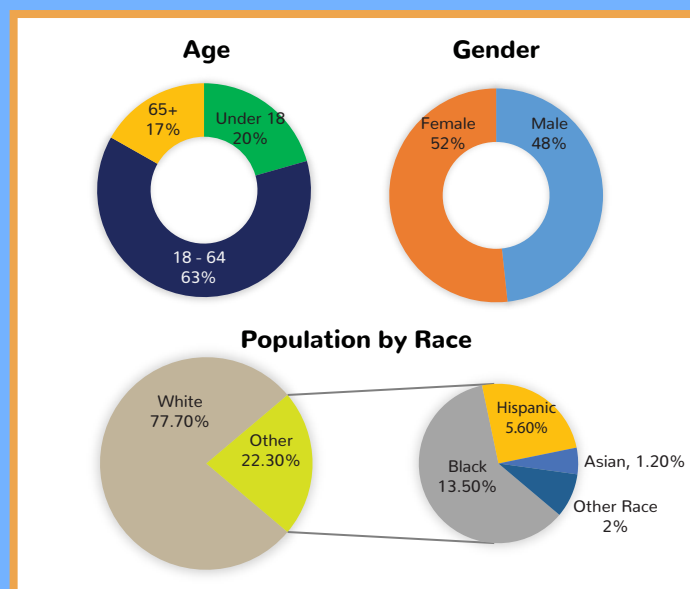
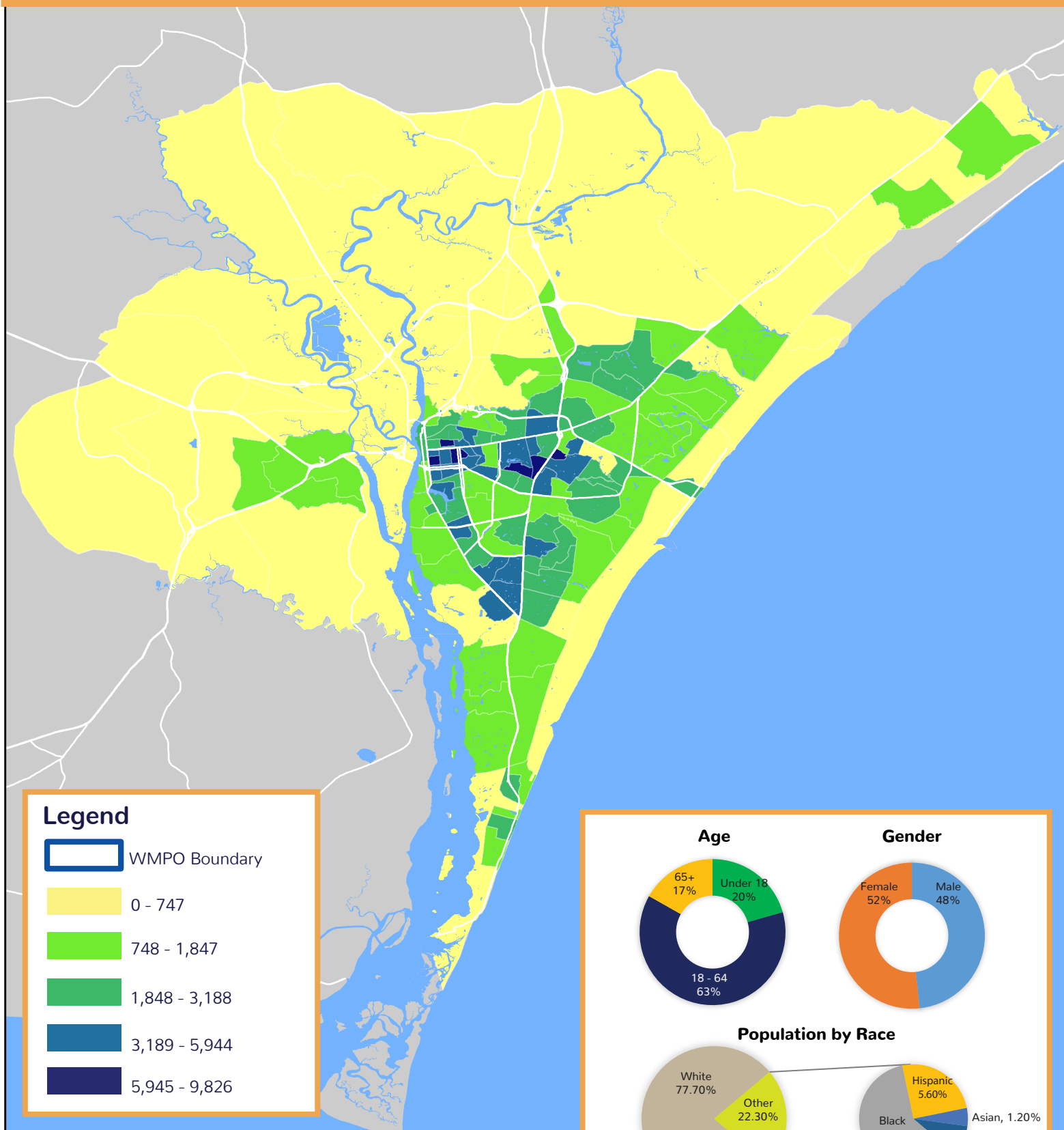


Population Density within the Wilmington Urban Area MPO (Persons per Square Mile)

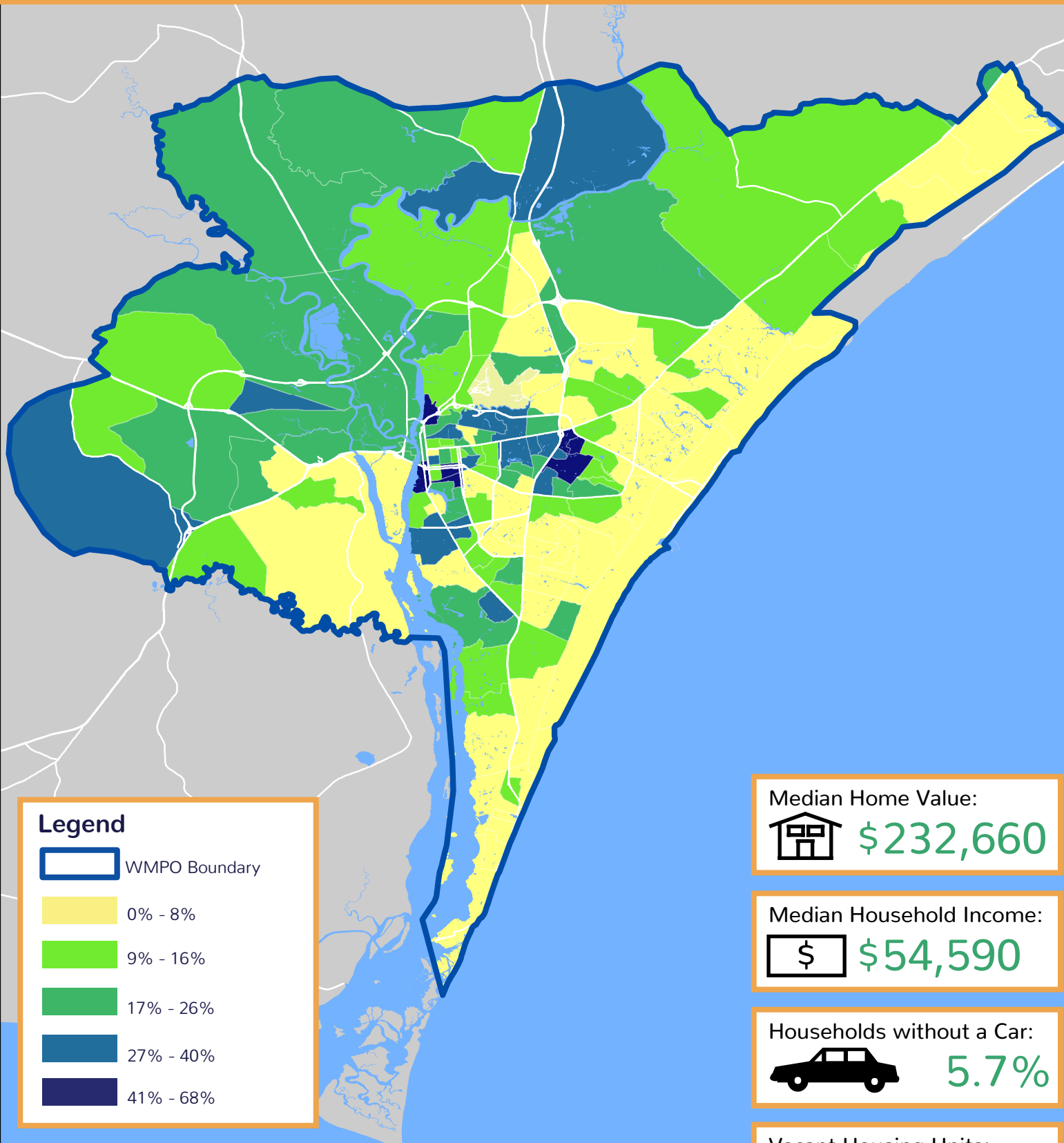
CAPE FEAR

Moving Forward **2045**

METROPOLITAN TRANSPORTATION PLAN



Economic Conditions: Households in Poverty



Legend

- WMPO Boundary
- 0% - 8%
- 9% - 16%
- 17% - 26%
- 27% - 40%
- 41% - 68%

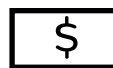


Median Home Value:



\$232,660

Median Household Income:



\$54,590

Households without a Car:



5.7%

Vacant Housing Units:



15.5%