

DURHAM • CHAPEL HILL • CARRBORO

**DCHC**

METROPOLITAN PLANNING ORGANIZATION

PLANNING TOMORROW'S TRANSPORTATION

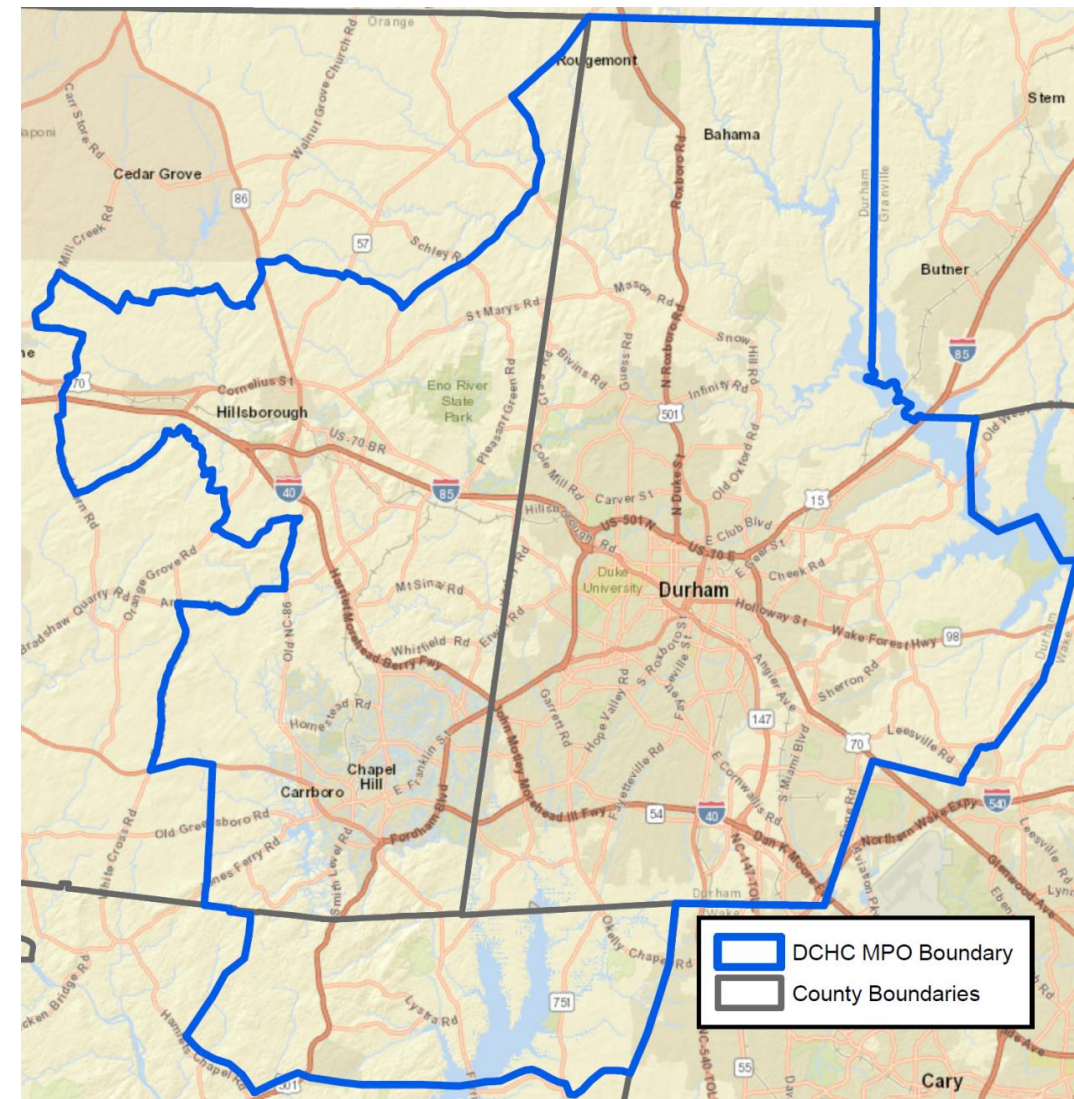
# **2050 Metropolitan Transportation Plan (MTP)** **(DCHC MPO Board and N.C. General Assembly delegation)**

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# What is the DCHC MPO?

## Durham-Chapel Hill Carrboro Metropolitan Planning Organization

- ▶ Responsible for long range transportation planning in
  - Durham City and County, and
  - Chapel Hill, Carrboro and Hillsborough
  - Parts of Orange County and Chatham County.
- ▶ Federal mandate – MPO must plan and approve use of federal transportation funding
- ▶ Policy Board – Composed of local elected officials from member jurisdictions and counties, and of key agencies





# The Metropolitan Transportation Plan (MTP)

## What is 2050 MTP?

- Multimodal. Lists highways and major transit projects, and investments in transit, bicycle and pedestrian for next 30 years.
- Financial Plan. Balances expected costs and revenues.

See 2050 MTP web page:  
[www.bit.ly/2050MTP-DCHCMPO](http://www.bit.ly/2050MTP-DCHCMPO)

## Why is MTP important?

- Required for receiving federal transportation funding.
- Project must be in MTP to advance to Transportation Improvement Program (TIP).
- Can use MTP to reserve right-of-way for future

# Public Engagement & Growth

## Extensive Public Engagement

### Key themes:

- Minimize climate change
- Support low-income & minority populations
- Ensure access to bicycle, pedestrian and transit
- Reduce personal vehicle dependence
- Coordinate land use and transportation

★ MPO board directs staff to create MTP that abides by MPO Vision, based on goals and public comments.

## Growth

### Continued fast growth

Population				
County	2020	2050	2016-2050	% change
Chatham*	52,213	104,480	52,267	100%
Durham	324,784	463,368	138,584	43%
Orange	148,880	193,747	44,867	30%
<i>Total</i>	<i>525,877</i>	<i>761,595</i>	<i>235,718</i>	<i>45%</i>
Employment				
County	2020	2050	2016-2050	% change
Chatham*	12,272	24,426	12,154	99%
Durham	235,002	401,168	166,166	71%
Orange	74,721	116,769	42,048	56%
<i>Total</i>	<i>321,995</i>	<i>542,363</i>	<i>220,368</i>	<i>68%</i>

\* Only includes portion of Chatham County in modeling area.

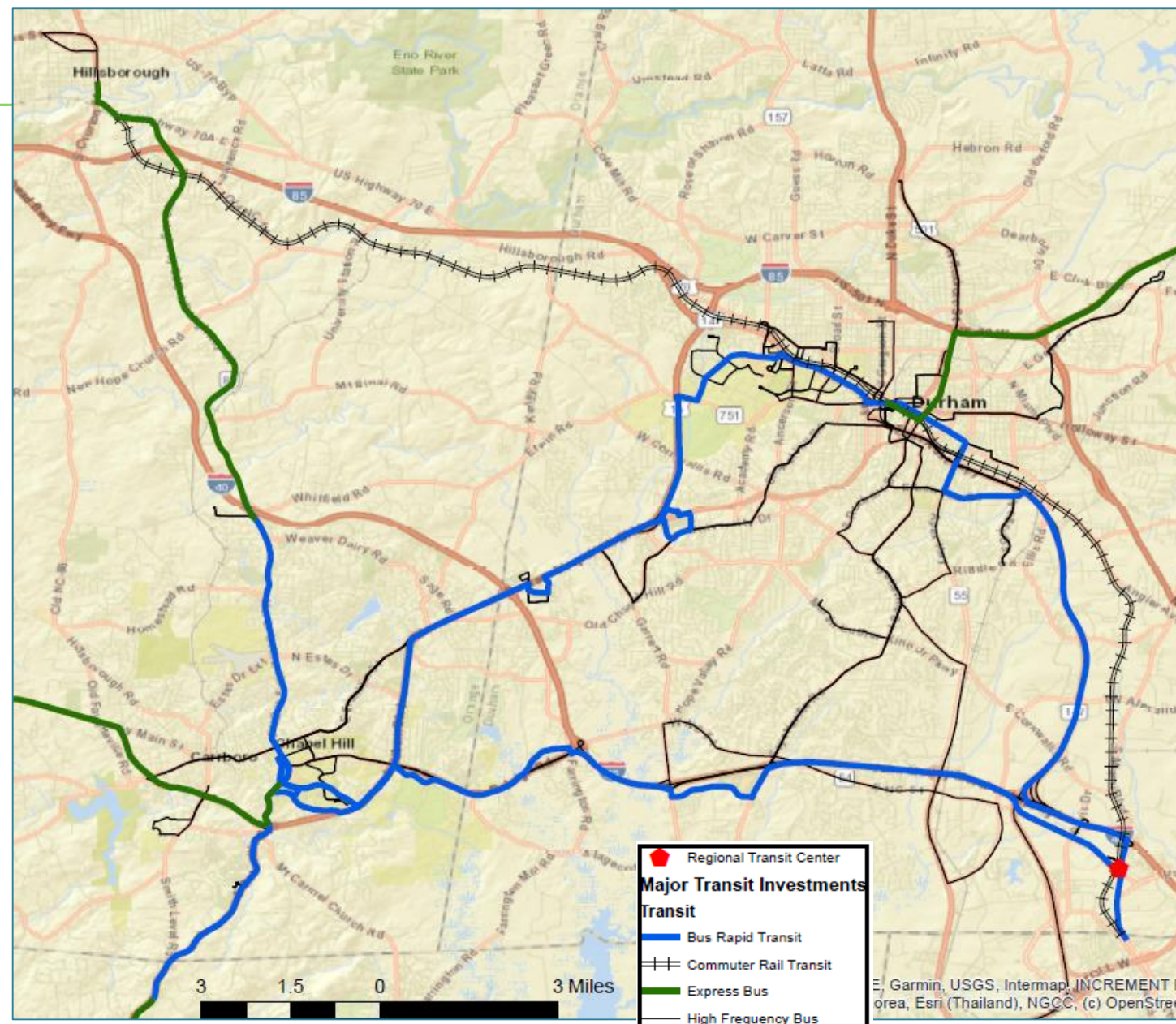
See Goals web page:

[www.bit.ly/2050MTP-DCHCMPO](http://www.bit.ly/2050MTP-DCHCMPO)

# Vision – Public Transportation

## Increase transit investments...

- Extend commuter rail to Hillsborough; increase service frequency
- Add four BRT projects (CH north-south, US 15-501, NC 147, NC 54)
- Support bus service improvements (e.g., all GoDurham at 15-min., All CHT and OCPT priorities)
- Fund bus stops, access, demand-responsive
- Move implementation timelines forward



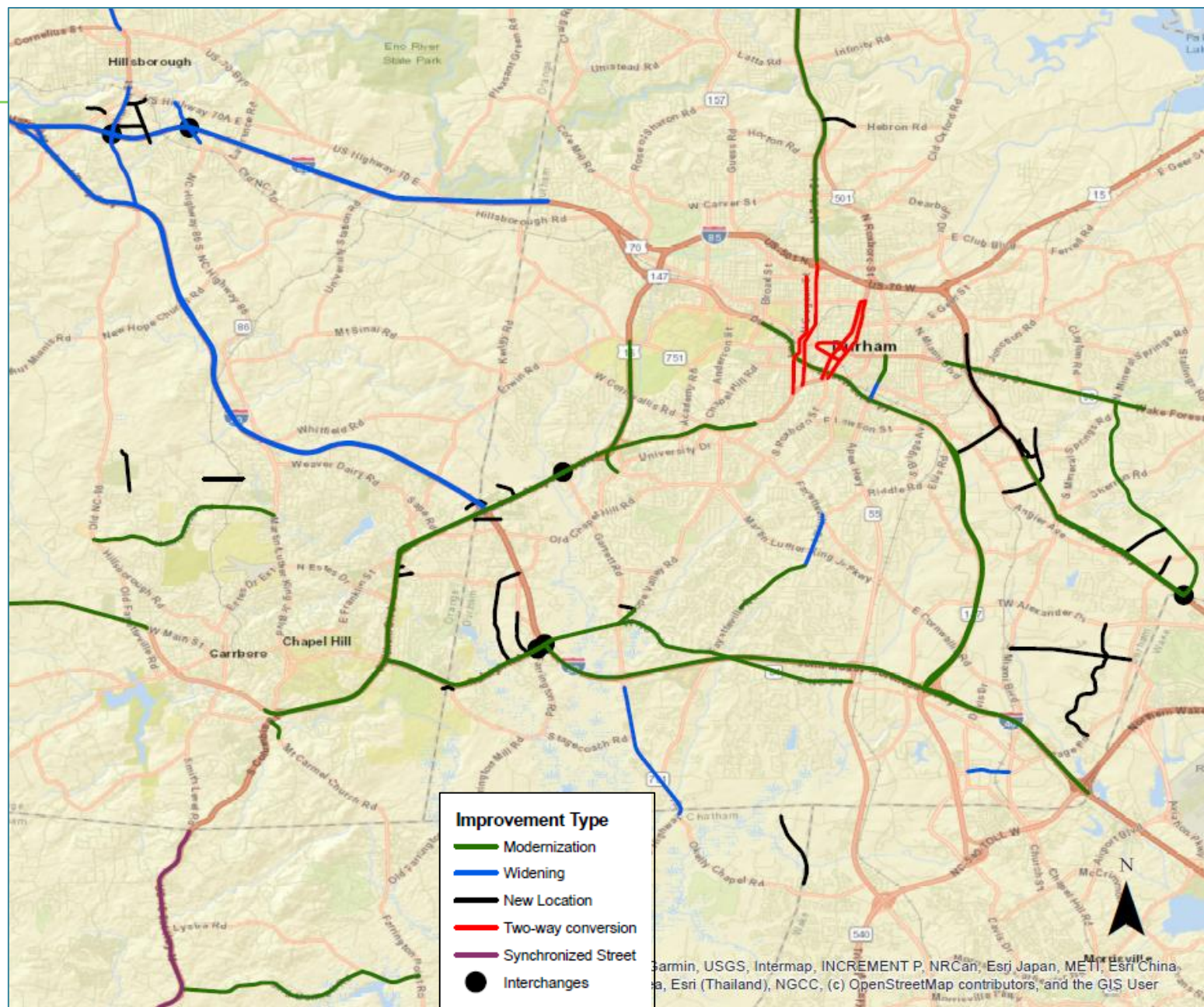


# Vision – Roadways

Reduce roadway investments...

Only include:

- Projects funded in first 4 years of State TIP
- Modernizations
- Bus on shoulder (BOSS)
- Managed roadways
- Grids streets



# Vision – Bicycle and Pedestrian

- Fund all the projects in local bicycle and pedestrian plans
- Total bicycle and pedestrian investment is approximately \$2.8 billion

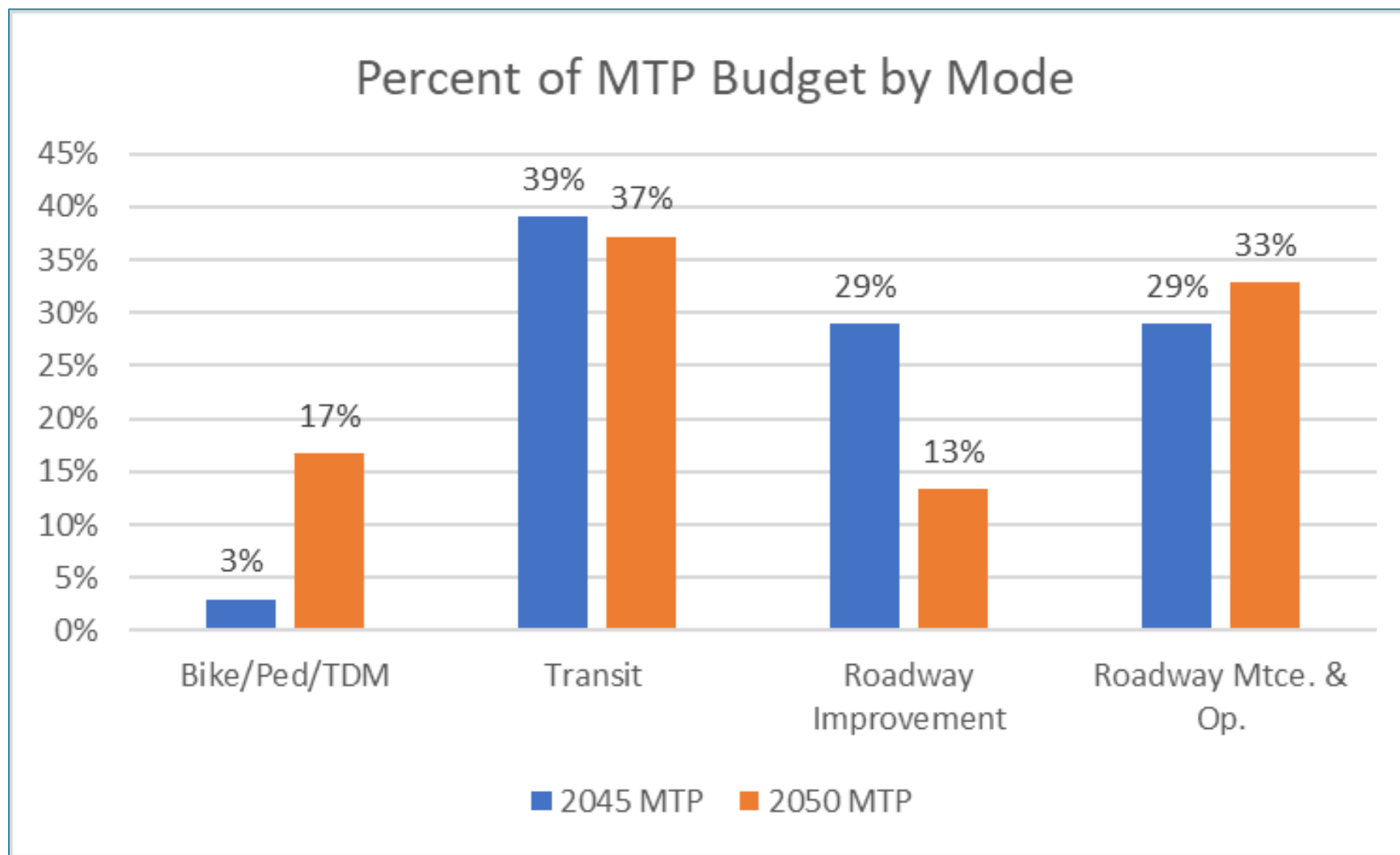
Figure 7.5.1 – Local Plans and Inventories Used for Pedestrian Facility Recommendations

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|--|---|
| <ul style="list-style-type: none"> <li>• <a href="#">Chapel Hill Mobility and Connectivity Plan (2020)</a></li> <li>• <a href="#">DurhamWalks! Pedestrian Plan (2006)</a></li> </ul> | <ul style="list-style-type: none"> <li>• <a href="#">Durham Bike+Walk Implementation Plan (2017)</a></li> <li>• <a href="#">Hillsborough Community Connectivity Plan (2009, revised 2014 &amp; 2017)</a></li> </ul> |
|--|---|

Figure 7.5.2 – Local Plans Used for Bicycle Facility and Trail Recommendations

- |  |   |
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| <ul style="list-style-type: none"> <li>• <a href="#">Carrboro Comprehensive Bicycle Transportation Plan (2020)</a></li> <li>• <a href="#">Chapel Hill Mobility and Connectivity Plan (2020)</a></li> <li>• <a href="#">Chapel Hill Mobility and Connectivity Plan (2020)</a></li> <li>• <a href="#">Chatham County Bicycle Plan (2011)</a></li> <li>• <a href="#">Durham Bike+Walk Implementation Plan (2017)</a></li> <li>• <a href="#">Durham City and County Comprehensive Bicycle Plan (2006)</a></li> </ul> | <ul style="list-style-type: none"> <li>• <a href="#">Durham Trails and Greenways Master Plan (2011)</a></li> <li>• <a href="#">Hillsborough Community Connectivity Plan (2009, revised 2014 &amp; 2017)</a></li> <li>• <a href="#">Orange County Comprehensive Plan: Transportation Element (2008)</a></li> <li>• <a href="#">Research Triangle Park Bike/Ped Plan (2017)</a></li> <li>• <a href="#">Research Triangle Park Trails Study (2020)</a></li> <li>• <a href="#">Triangle Bikeway Study (2022)</a></li> </ul> |
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# Shift in Investments



Note -- total plan investment:

- 2045 MTP = \$12.3 billion (2016 dollars)
- 2050 MTP = \$17 billion (2020 dollars)



# Vision – Funding & Land Use

2050 MTP assumes changes...

## Funding

- New State revenues based on NC First Commission recommendation
- New local revenues equivalent to full one-cent sales tax
- New revenues are flexible, i.e., not limited by STI prioritization
- Change STI and NCDOT prioritization rules?

The CAMPO & DCHC MPO *Transportation Policy Priorities* support additional funding and more transit and multimodal investments.

## Land use

- More dense, mixed land use, especially on transit corridors, and at institutions, campuses and activity hubs
- More affordable housing, especially on publicly controlled land

Policy on using Bipartisan Infrastructure Law resources requires FHWA to implement and require recipients to improve condition and safety before adding general purpose travel lanes.