

Winter 2023



# Public Workshops: Round #2

# Agenda

- Project Background
- Plan Goals
- Key Recommendations by Strategy
- Feedback

# US 70 Study Overview

- In-depth review of US 70 Corridor
  - NC 119 in Mebane to Orange/Durham County line (NC 751)
  - US 70 Business from NC 86 (Churton Street) to US 70
- Develop long-term vision for:
  - US 70 roadway itself
  - Surrounding communities and natural areas
- Project Study Team
  - City of Mebane & Town of Hillsborough
  - BGMPO & DCHC MPO
  - Alamance and Orange Counties
  - NCDOT
  - Consultant Team (VHB and Rose & Associates)



**US 70 Multimodal Corridor Study**

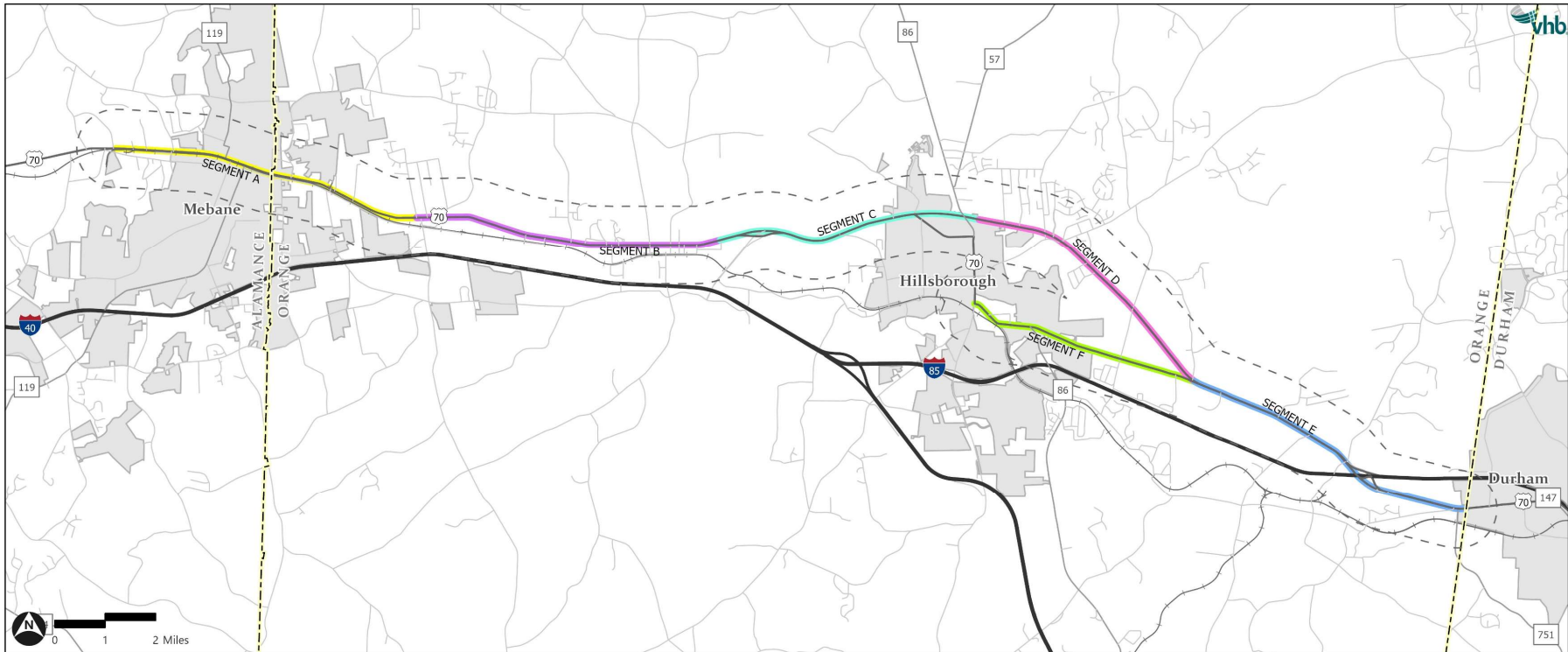
# US 70 Corridor Background

- US 70 Corridor
  - ~19 miles: US 70 (minor arterial)
    - 3 miles: US 70 Bus (major collector/other arterial)
  - Links Durham, Hillsborough & Mebane
    - I-85 and I-40 handle bulk of traffic
    - Alternate route during I-85 incidents
  - Crucial northern access via NC 86 & NC 57
- Land Use Context
  - Significant natural & cultural constraints
  - Rural/Suburban/Urban: Varies by segment
  - Economic potential





# Corridor Segments



## Legend

- |   |  |  |   |
|---|--|--|---|
| <span style="color: yellow;">—</span> Segment A | <span style="color: magenta;">—</span> Segment D   | <span style="border-bottom: 1px dashed black;">  </span> US 70 Corridor Study Buffer | <span style="color: black;">—</span> Railroad Track   |
| <span style="color: purple;">—</span> Segment B | <span style="color: blue;">—</span> Segment E      | <span style="border-bottom: 1px dashed yellow;">  </span> County Boundary            | <span style="background-color: lightgrey; width: 20px; height: 10px; display: inline-block;"></span> Municipal Boundary |
| <span style="color: cyan;">—</span> Segment C   | <span style="color: limegreen;">—</span> Segment F |  |   |

Segment A - US 70 from NC 119 to Mace Road

Segment B - US 70 from Mace Road to Lloyds Dairy Road

Segment C - US 70 from Lloyds Dairy Road to east of NC 86 (Churton Street)

Segment D - US 70 from east of NC 86 (Churton Street) to US 70 Business

Segment E - US 70 from US 70 Business to the Orange / Durham County Line

Segment F - US 70 Business from NC 86 (Churton Street) to US 70



# Plan Goals

## Mobility

- Manage increasing vehicular traffic and congestion, including freight, EMS, and auto.
- Prioritize bicycle and pedestrian connectivity through the corridor.
- Improve transit accessibility throughout the corridor.

## Placemaking

- Guide transportation investment to protect community character.
- Prioritize pedestrian, bicycle and transit connectivity within urban areas.

## Safety

- Increase the comfort of non-automobile roadway users.
- Strive towards Vision Zero (0 fatalities, 0 serious injuries)
- Reduce pedestrian-automobile conflicts.

## Job Access

- Improve multimodal access to jobs within the corridor.
- Improve multimodal access to jobs outside the corridor.

## Natural Environment

- Improve multimodal access to parks throughout the corridor.
- Reduce wildlife-automobile conflicts.



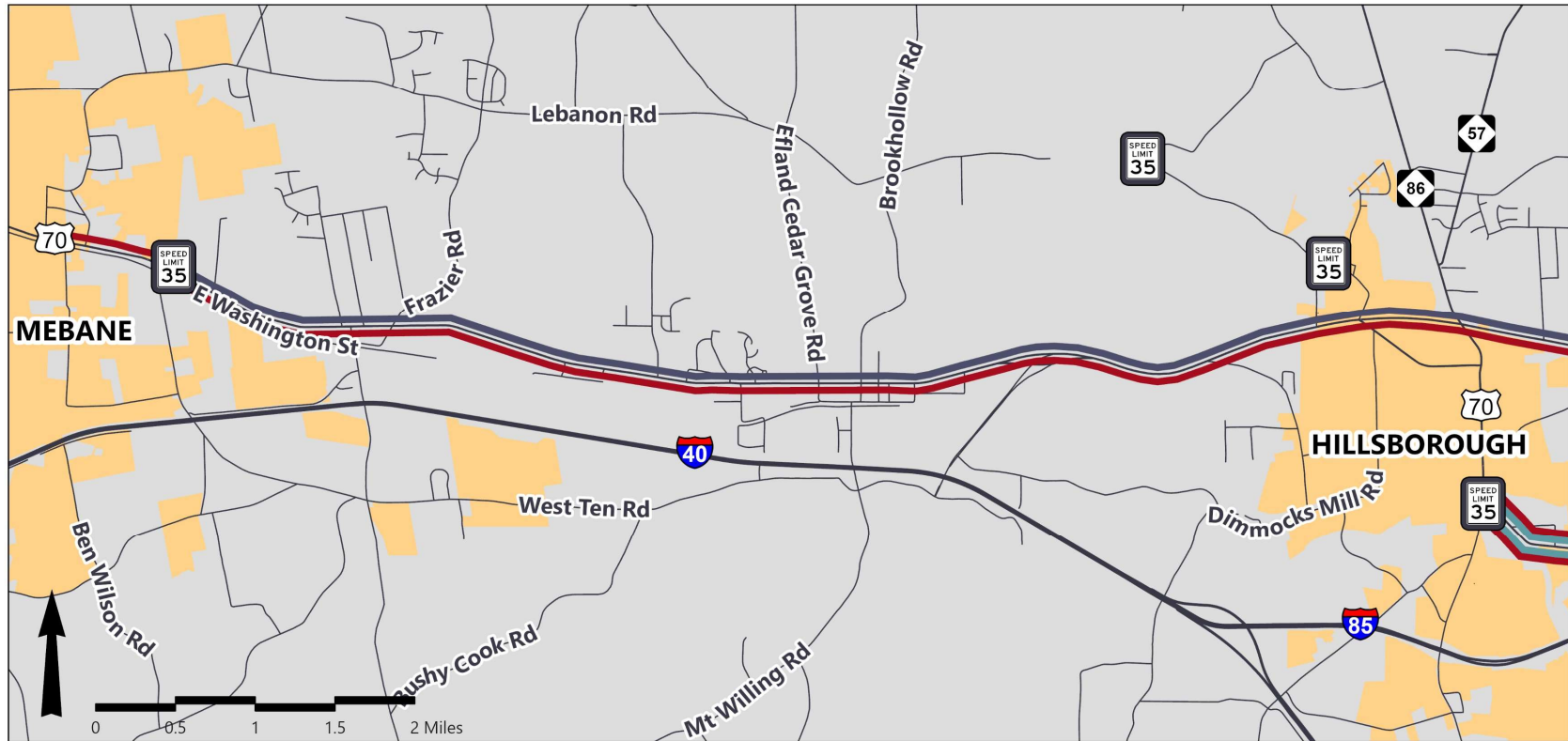



# Recommendations



## Multimodal Safety Recommendations (West Corridor)

US 70 Multimodal Corridor Study



 Decrease speed limit to 35mph

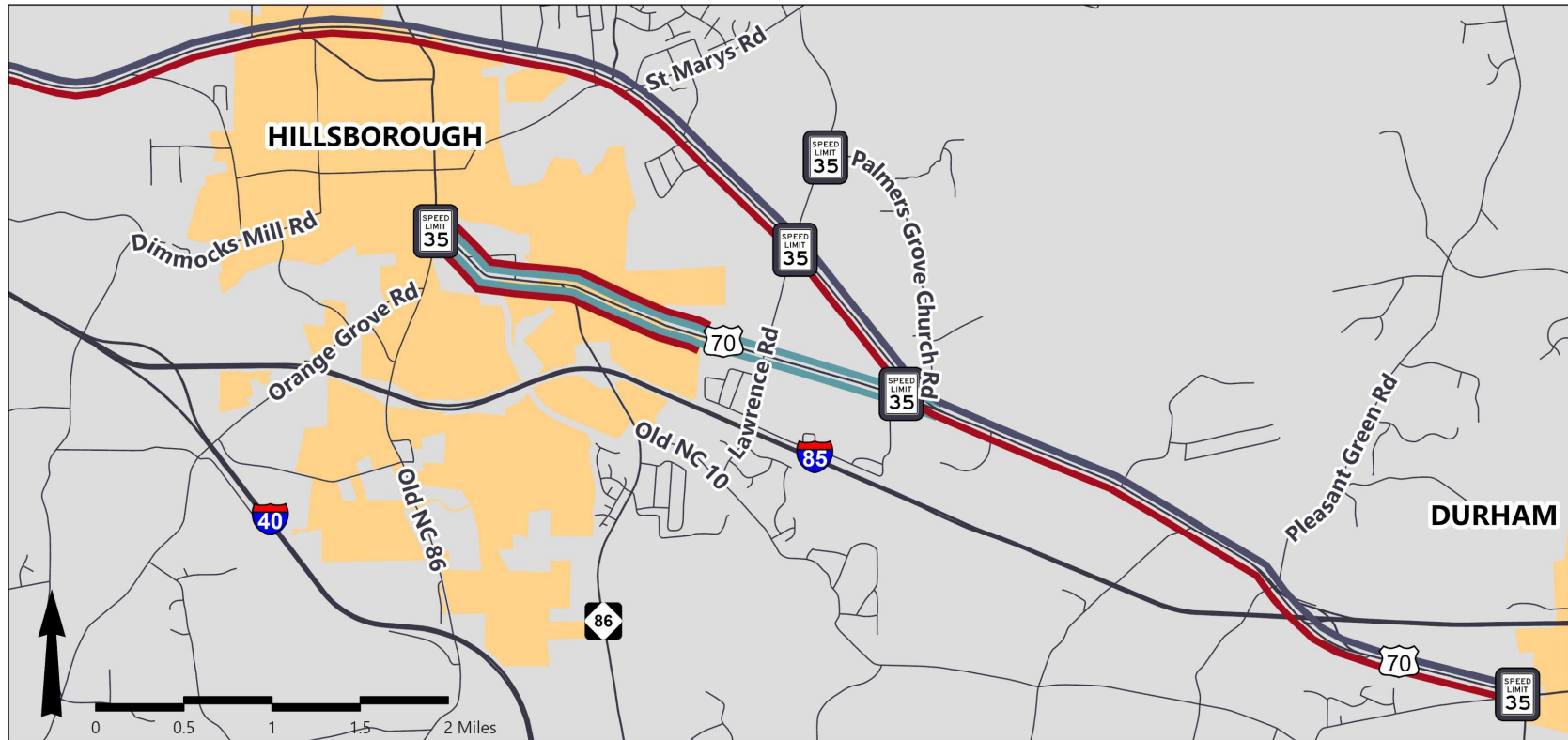
 Sidewalk on north side

 Protected bike lane and sidewalk on both sides

 Shared-use path on north side; sidewalk on south side

## Multimodal Safety Recommendations (East Corridor)

US 70 Multimodal Corridor Study



Decrease speed limit to 35mph

Protected bike lane and sidewalk on both sides

Shared-use path on north side; sidewalk on south side

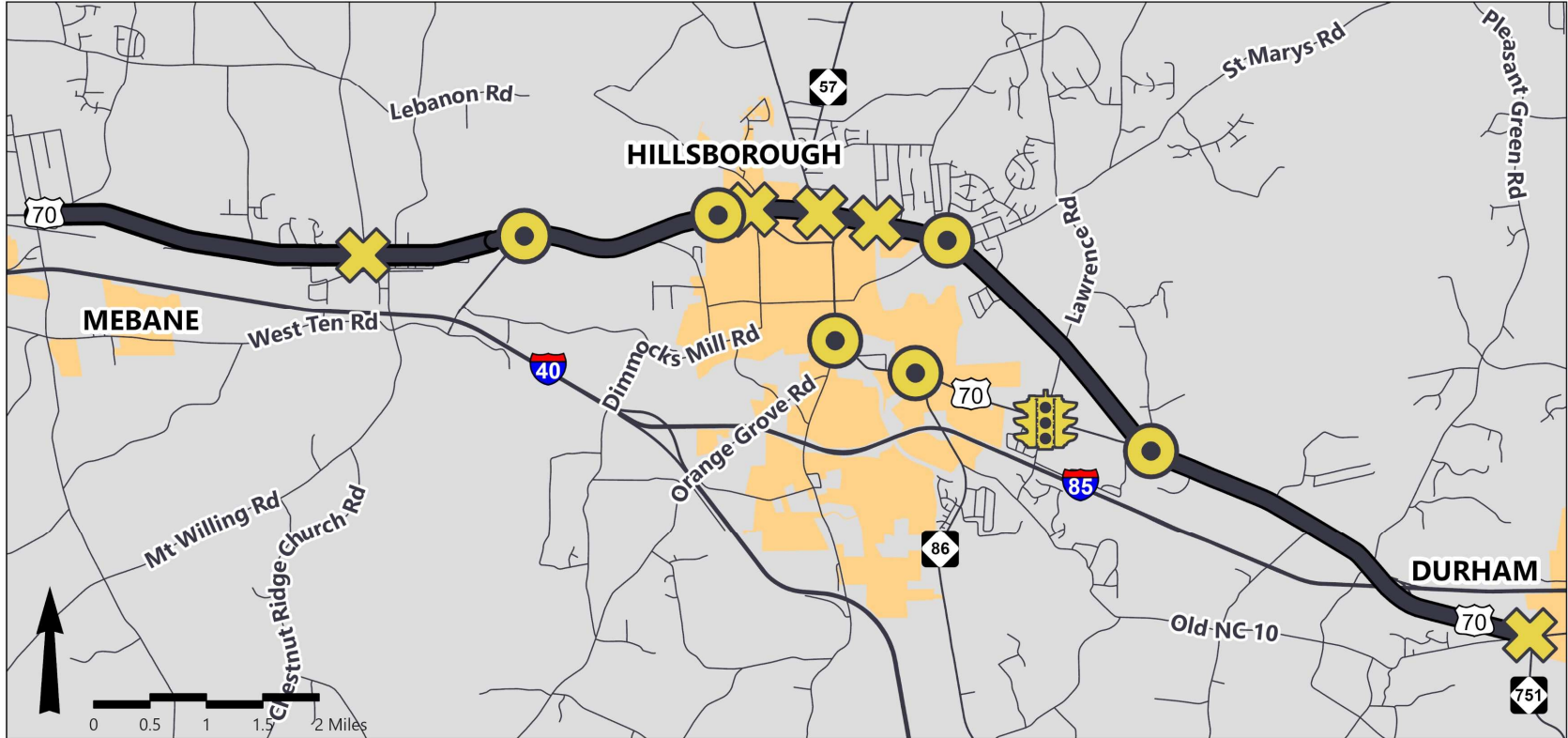
Protected bike lanes on both sides

# Mobility Strategy – Hillsborough

- Manage travel demand resulting from trips to and from schools.
- Construct accessible bus shelters that serve Hillsborough's employment centers and residential communities.
- Increase bus frequency and lengthen service hours.
- Improve accessibility of existing bus stops.
- Construct paired bus stops across US 70 from existing facilities.
- Establish alternative east-west bicycle routes for US 70 between Mebane and Durham.

# Roadway Improvement Recommendations

US 70 Multimodal Corridor Study



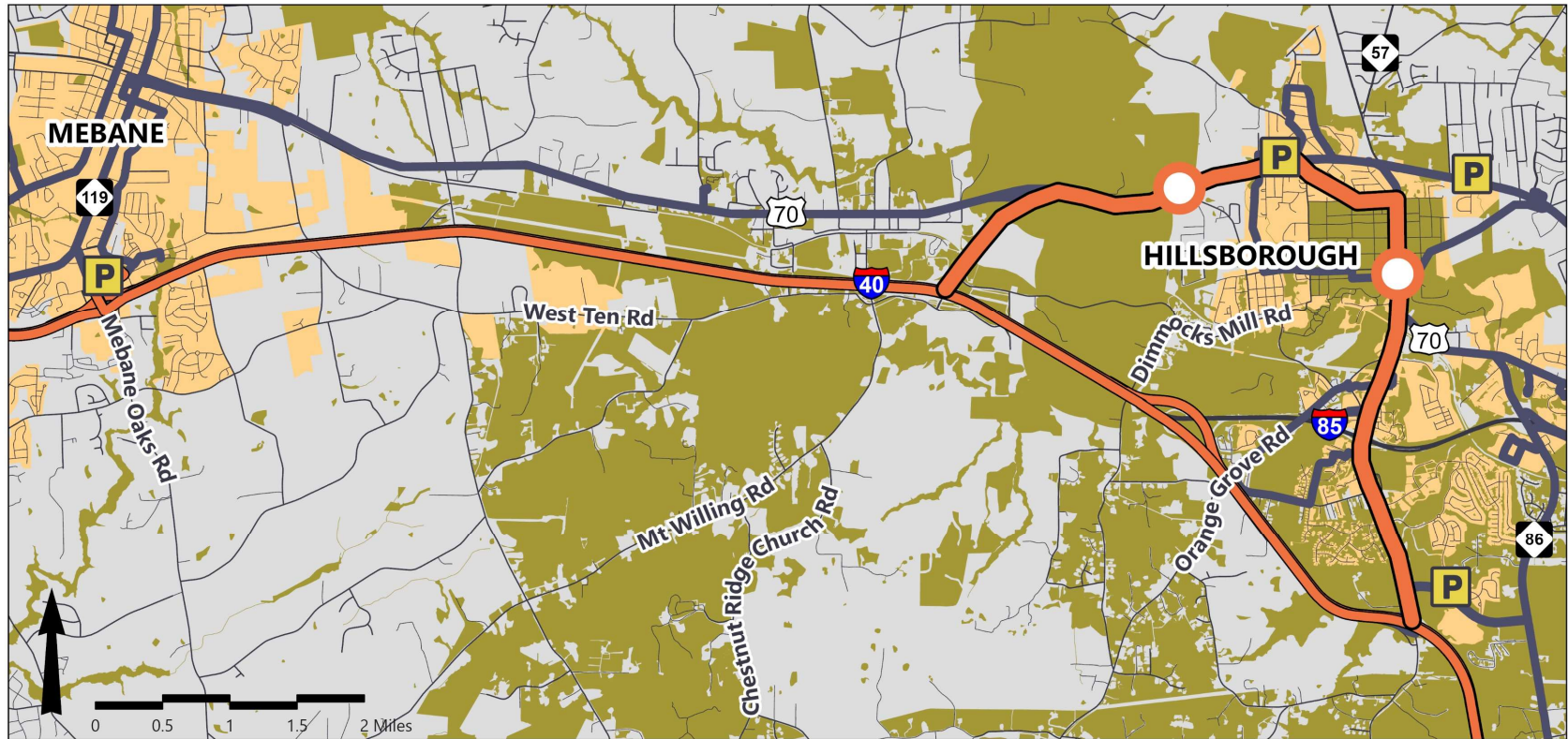
- Roundabout
- Traffic Signal

- Turn lane addition/extension
- Four-lane median divided highway



## Additional Congestion Management Recommendations

US 70 Multimodal Corridor Study



 PART Route 4 Extension, Existing Stop

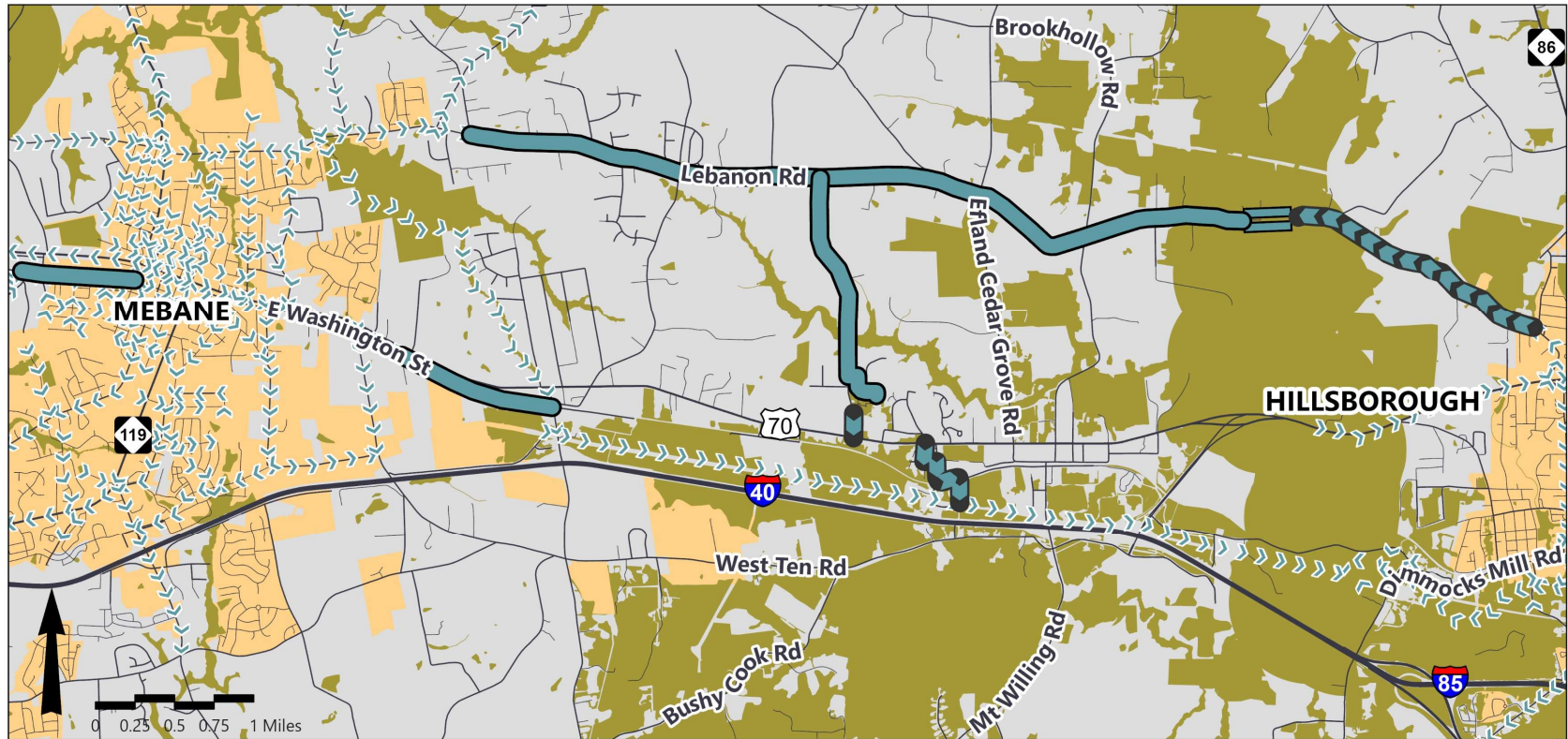
 PART Route 4

 Grow planned/existing park and ride services

 Other Existing Bus Routes

## Alternative East-West Bicycle Route Recommendations

US 70 Multimodal Corridor Study



Construct protected bike lane

Bicycle Bridge

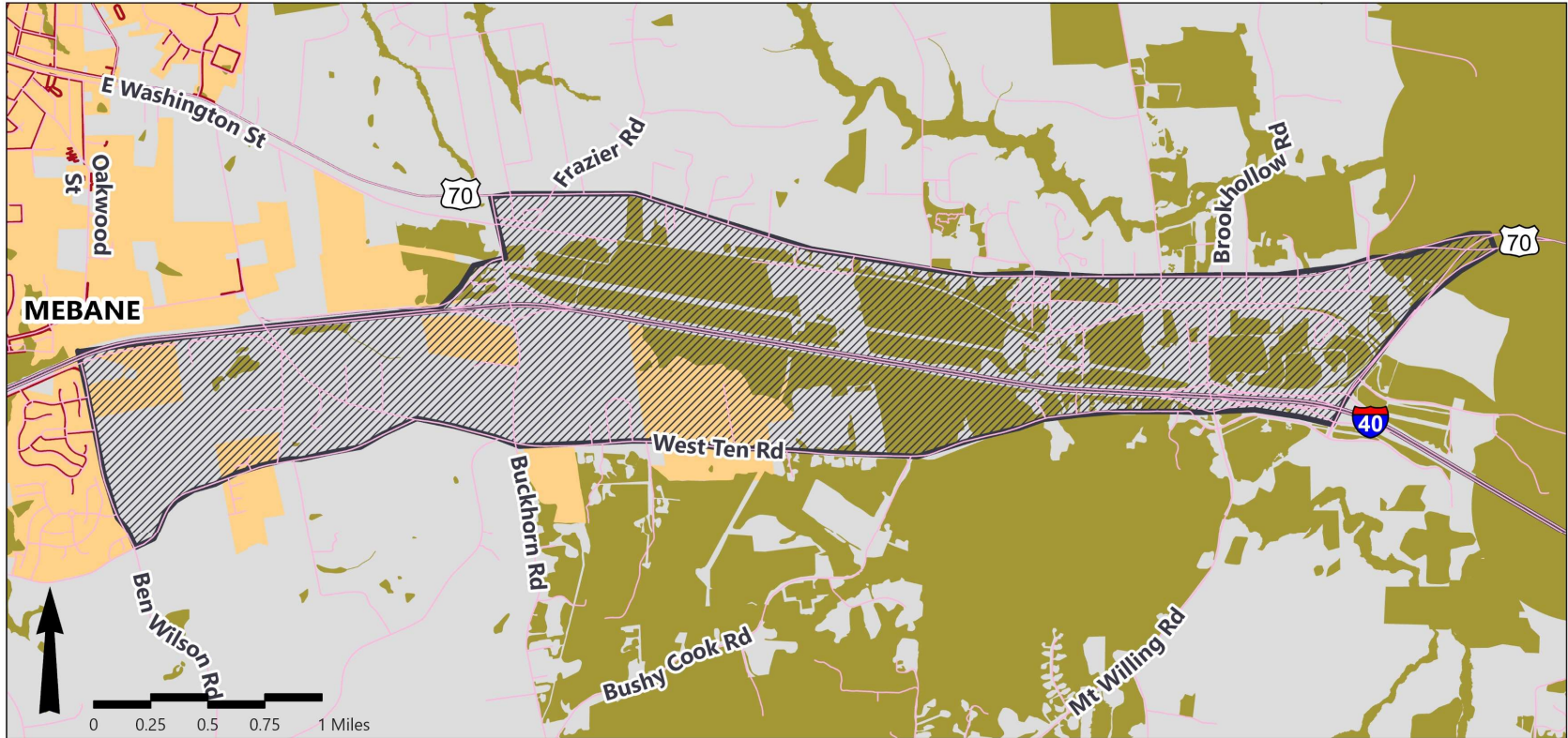
Add sharrows and signage to establish bike route

Existing/Planned Bike Route



## Efland-Buckhorn-Mebane Mobility Recommendations

US 70 Multimodal Corridor Study



 Regularly update access management plan with freight, transit, pedestrian, and bicycle recommendations.

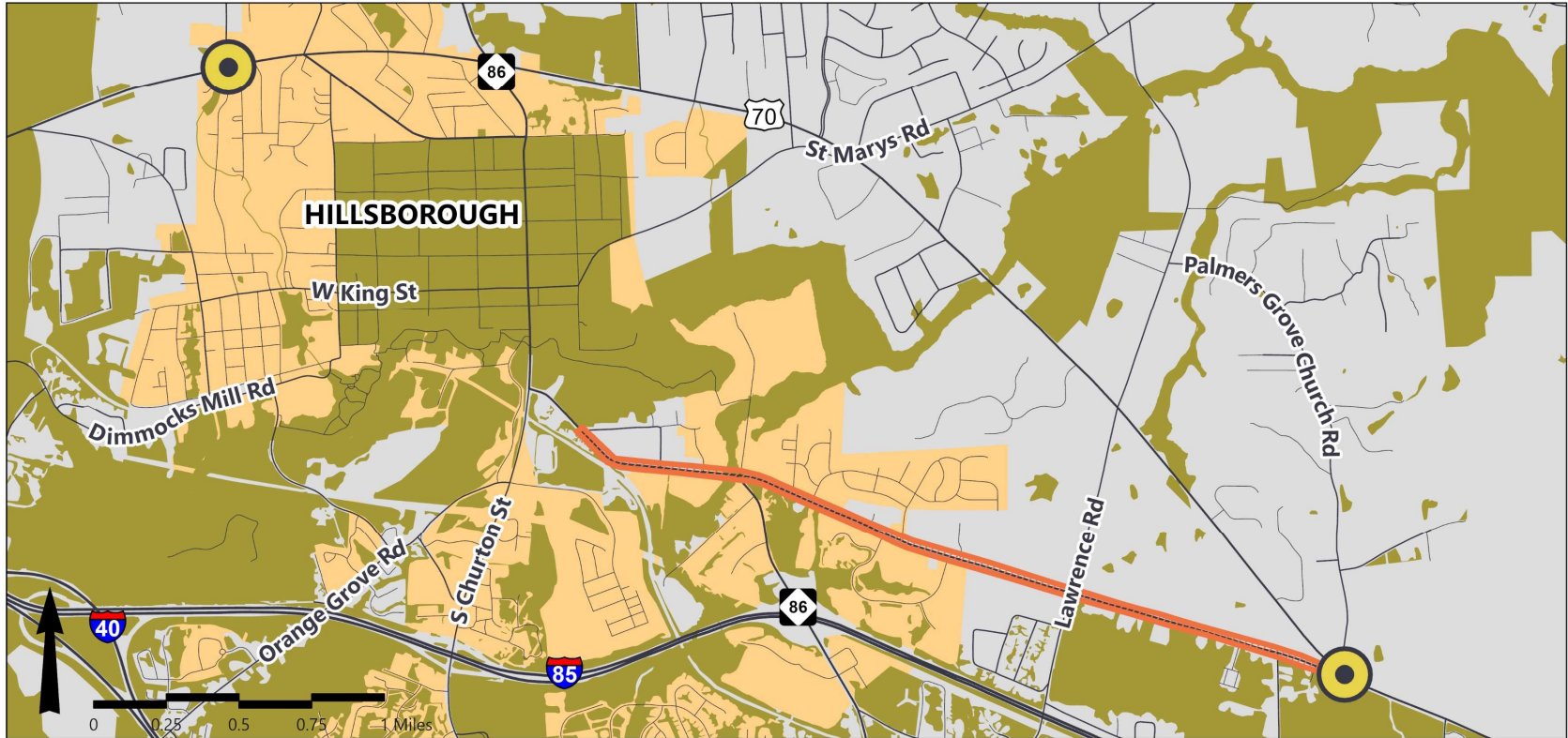
# Placemaking Strategy - Hillsborough

- Establish gateways to Hillsborough.
- Improve the permeability of US 70 as a barrier within Hillsborough.



## Hillsborough Gateway Recommendations

US 70 Multimodal Corridor Study

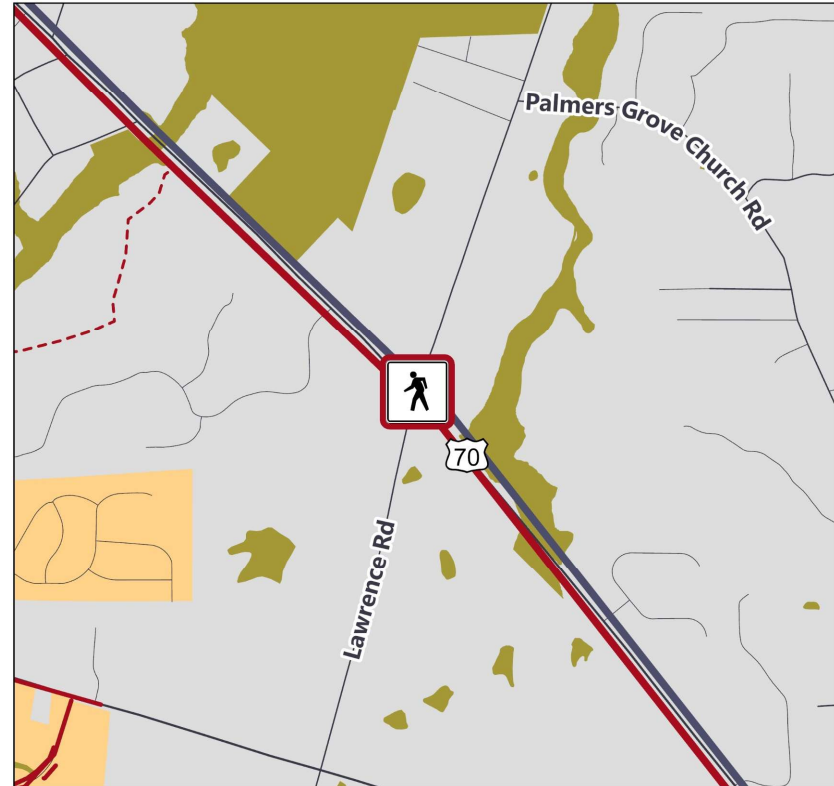
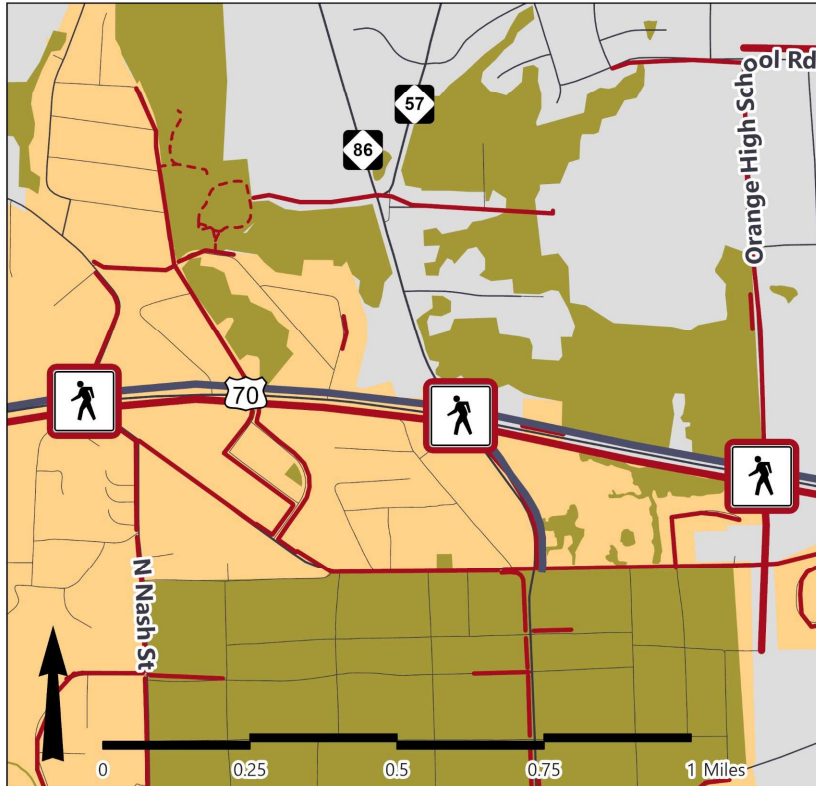



 Gateway Roundabout

 Invest in streetscaping projects

# Hillsborough US 70 Permeability Recommendations

US 70 Multimodal Corridor Study



 Upgrade Pedestrian Crossing

 Construct Shared-Use Path

 Construct Sidewalk

 Existing/Planned Sidewalk

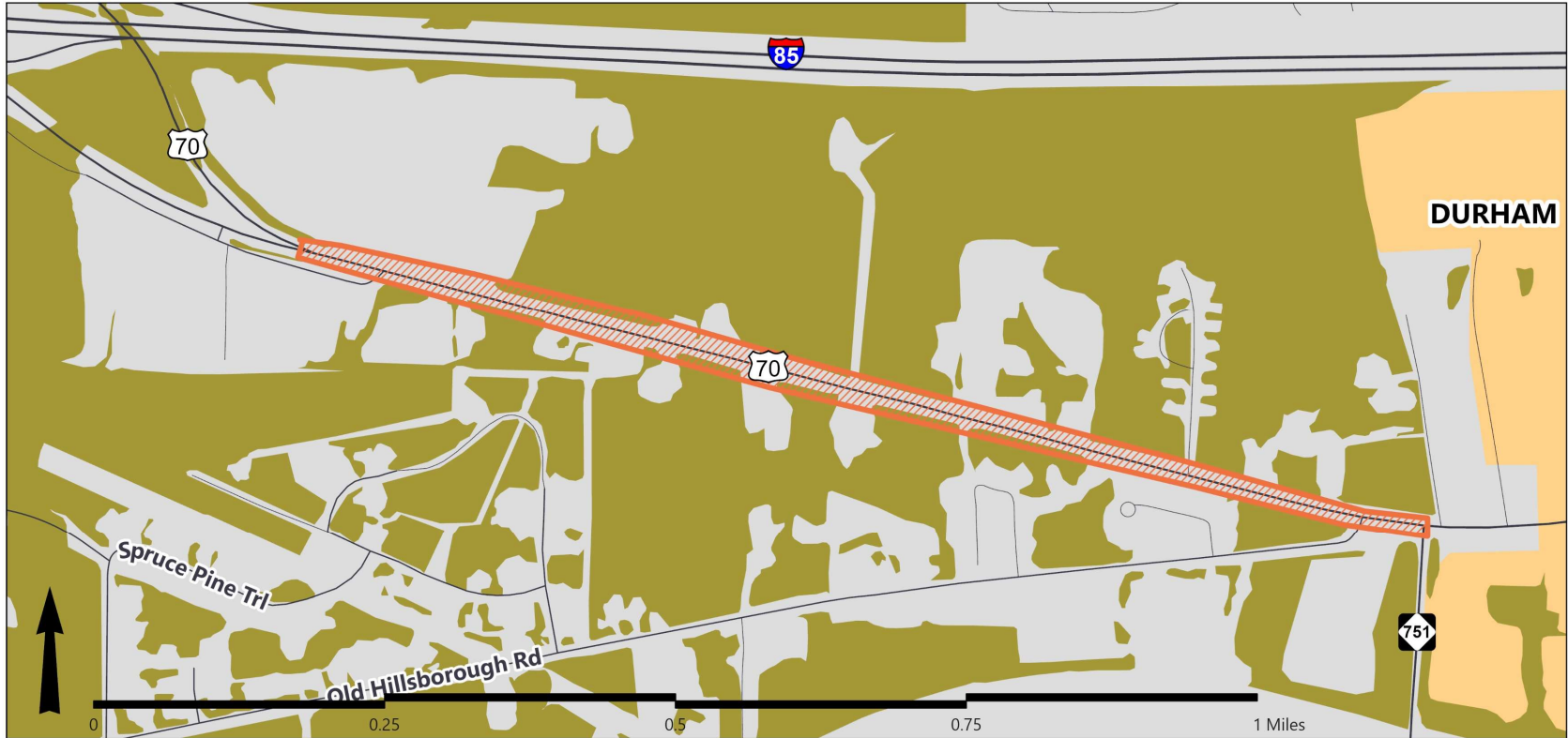
 Existing/Planned Trail

# Placemaking Strategy – East Orange County

- Prepare east Orange County for smart growth.

# East Orange County Placemaking Recommendations

US 70 Multimodal Corridor Study



 Invest in streetscaping projects

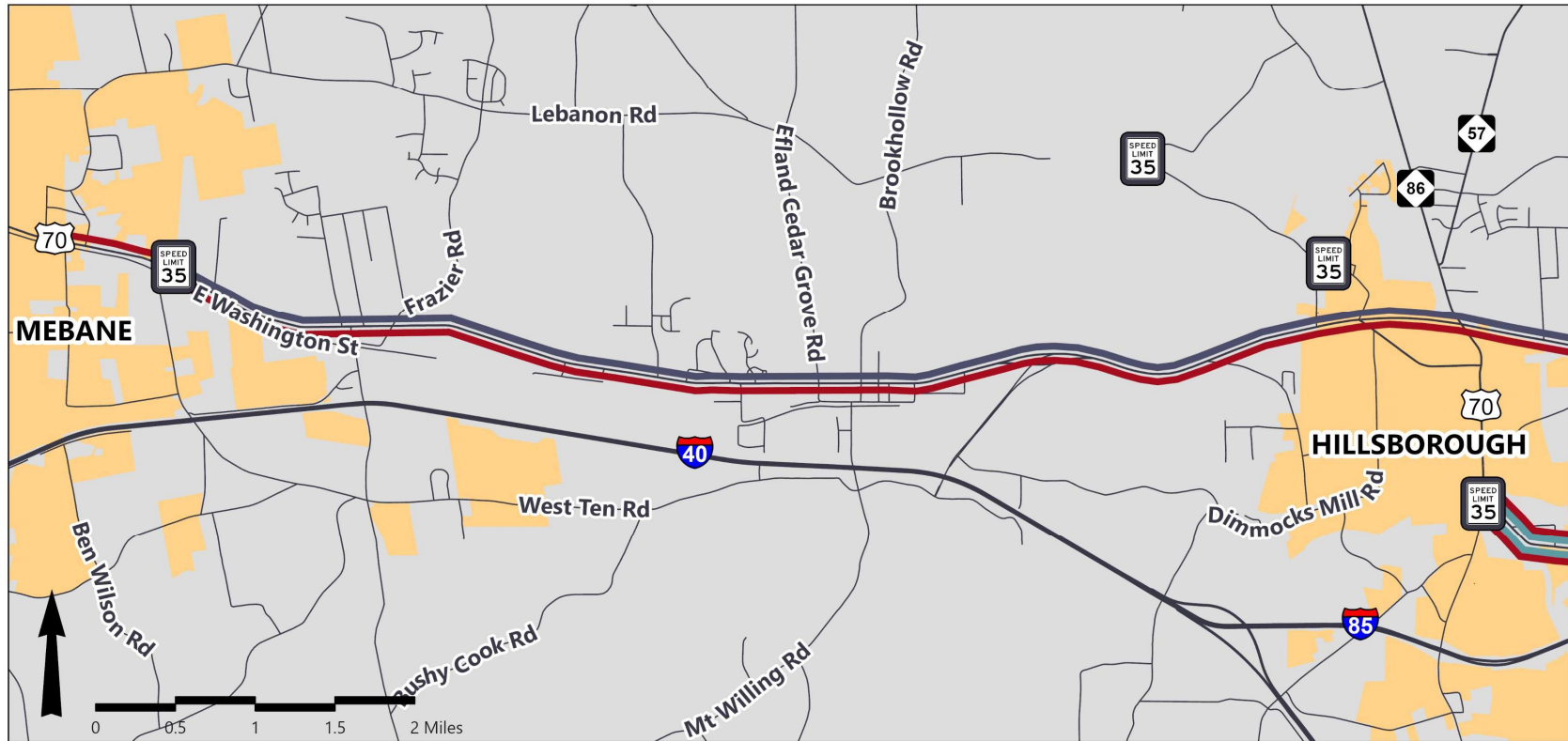



# Safety Strategy

- Accommodate all transportation modes in roadway improvement projects.
- Slow vehicular traffic through the corridor, including freight and auto, while still providing timely emergency services.
- Extend sidewalk and bicycle connectivity to anticipated growth areas.

## Multimodal Safety Recommendations (West Corridor)

US 70 Multimodal Corridor Study



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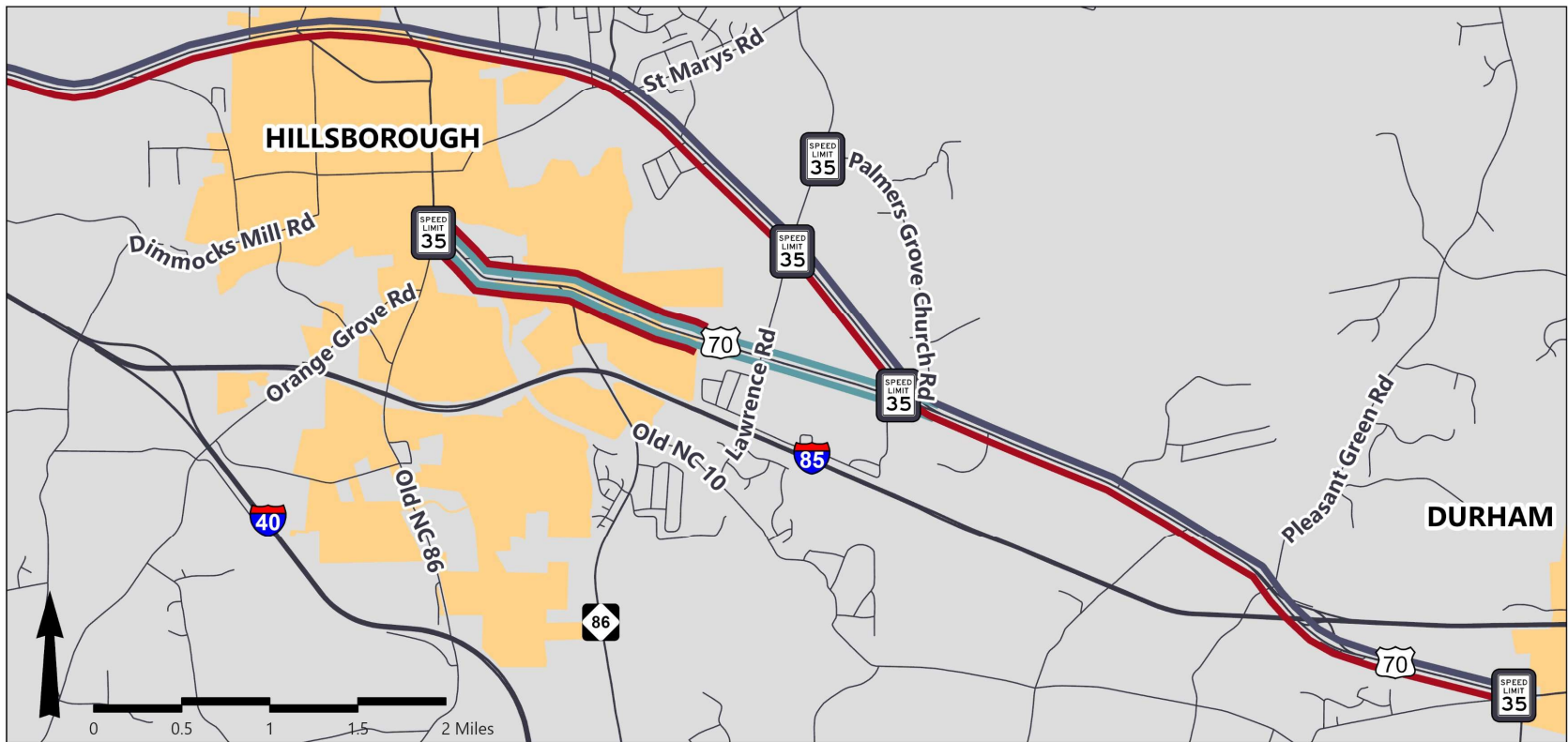
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## Multimodal Safety Recommendations (East Corridor)


US 70 Multimodal Corridor Study



 Decrease speed limit to 35mph

 Protected bike lane and sidewalk on both sides

 Shared-use path on north side; sidewalk on south side

 Protected bike lanes on both sides

# Safety Strategy – Hillsborough

- Improve the safety of pedestrian facilities in the Fairview neighborhood.



## Fairview Pedestrian Safety Recommendations

US 70 Multimodal Corridor Study



Upgrade pedestrian crossing

Shared-use path on north side; sidewalk on south side

Existing/planned sidewalk

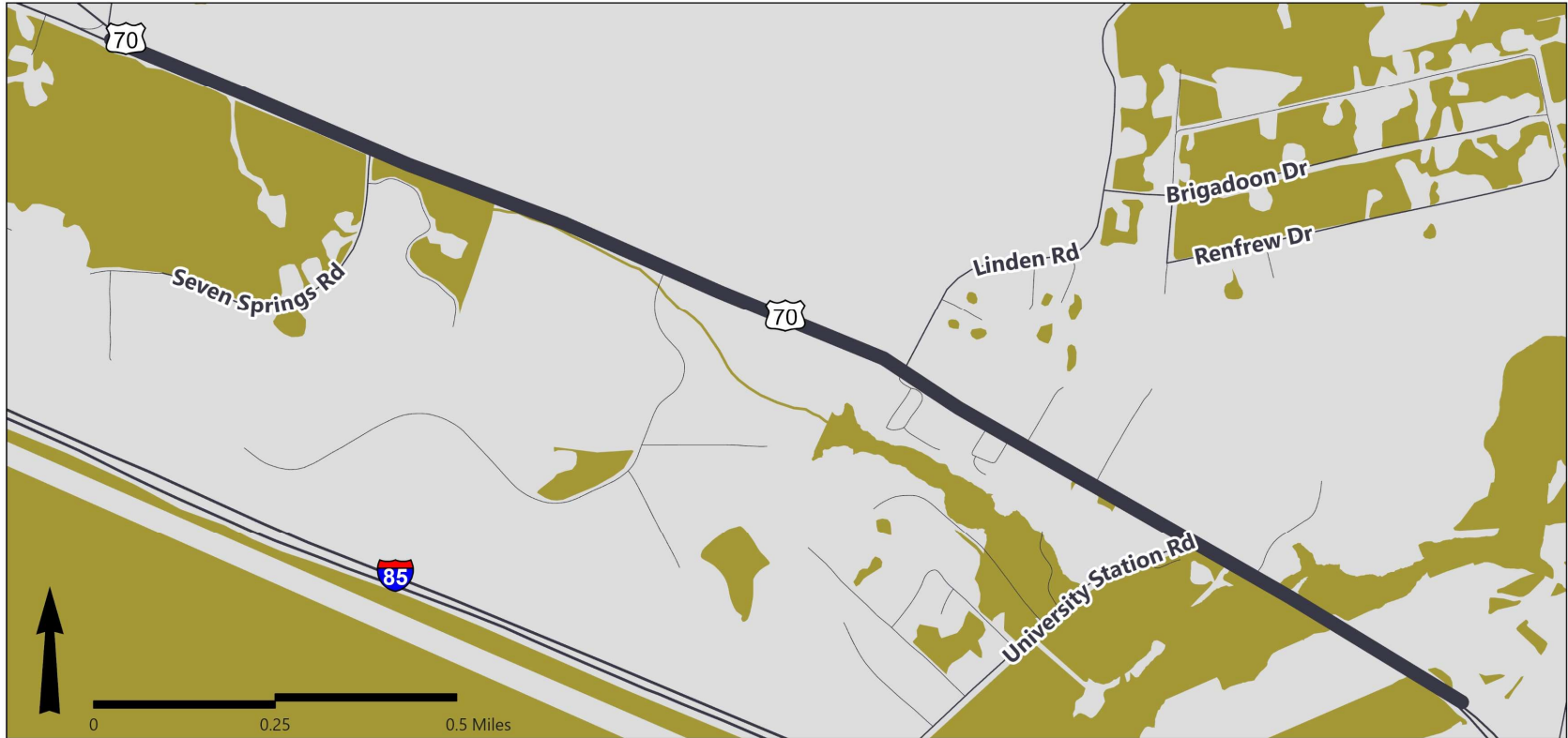
Existing/planned trail

# Safety Strategy – East Orange County

- Simplify traffic movement between US 70 and intersecting roads east of Hillsborough.

## East Orange County Safety Recommendations

US 70 Multimodal Corridor Study



■ Consider implementing Reduced Conflict Intersection (RCI) configurations.

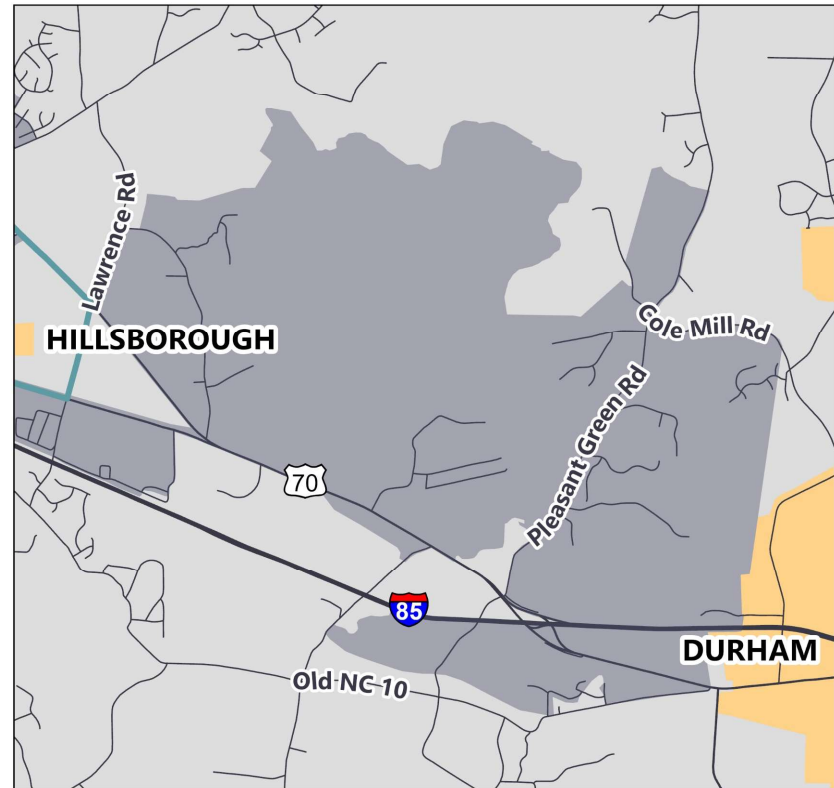
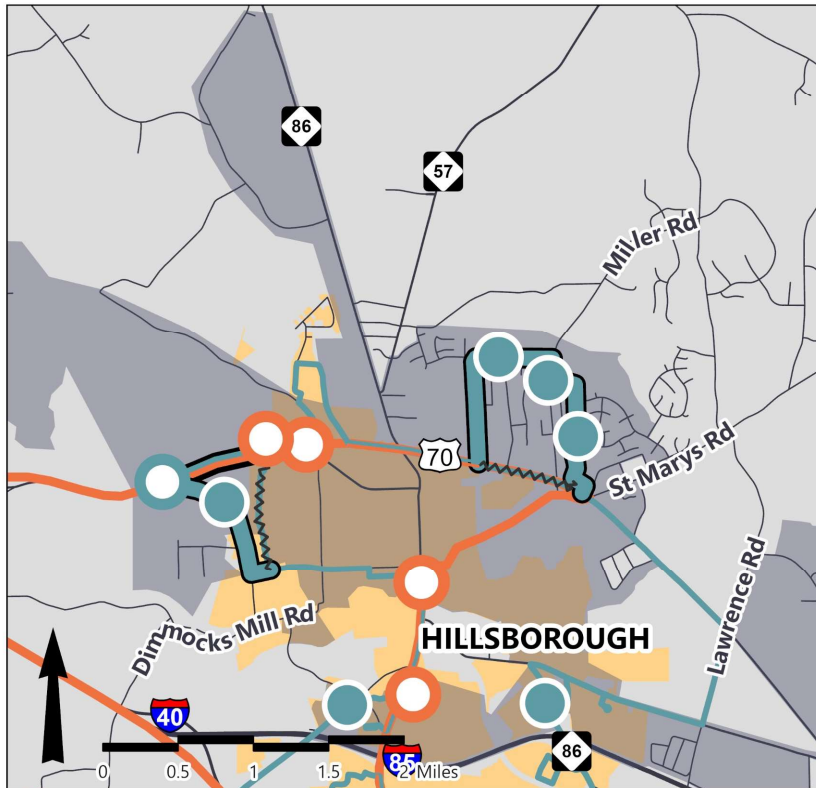
# Job Access Strategy




- Expand Alamance County Transit Authority (ACTA) and Orange County Public Transportation (OCPT) within the corridor.
- Expand GoTriangle services to residential communities and job centers.





## OCTP Transit Service Expansion Recommendations (East Corridor)

US 70 Multimodal Corridor Study

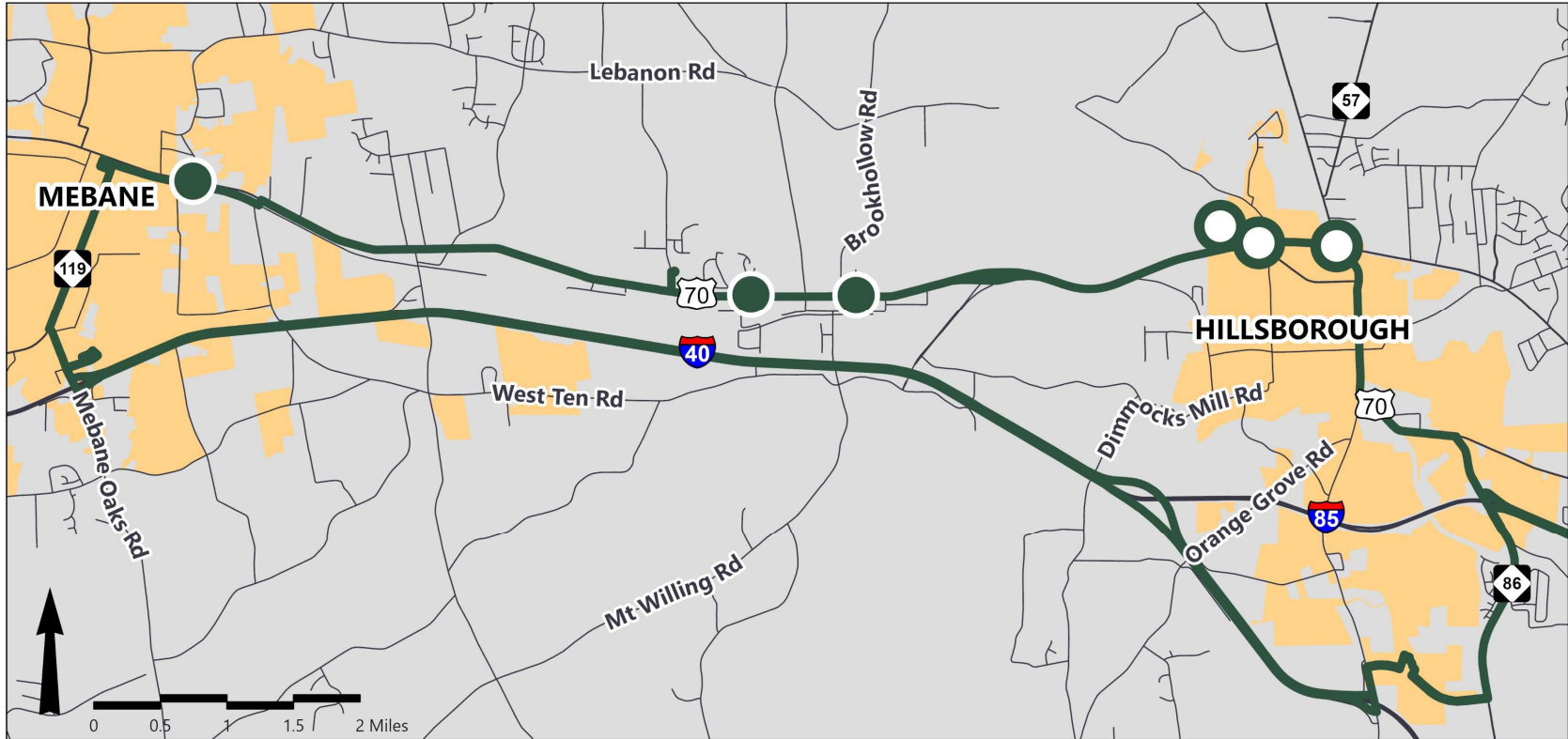


-  Hillsborough Circulator Extension, Existing Stop
-  Hillsborough Circulator Extension, New Stop
-  Orange-Alamance Connector Extension, Existing Stop

-  Realigned Hillsborough Circulator Route
-  Mobility-on-Demand Service Area

# GoTriangle Transit Service Expansion Recommendations

US 70 Multimodal Corridor Study



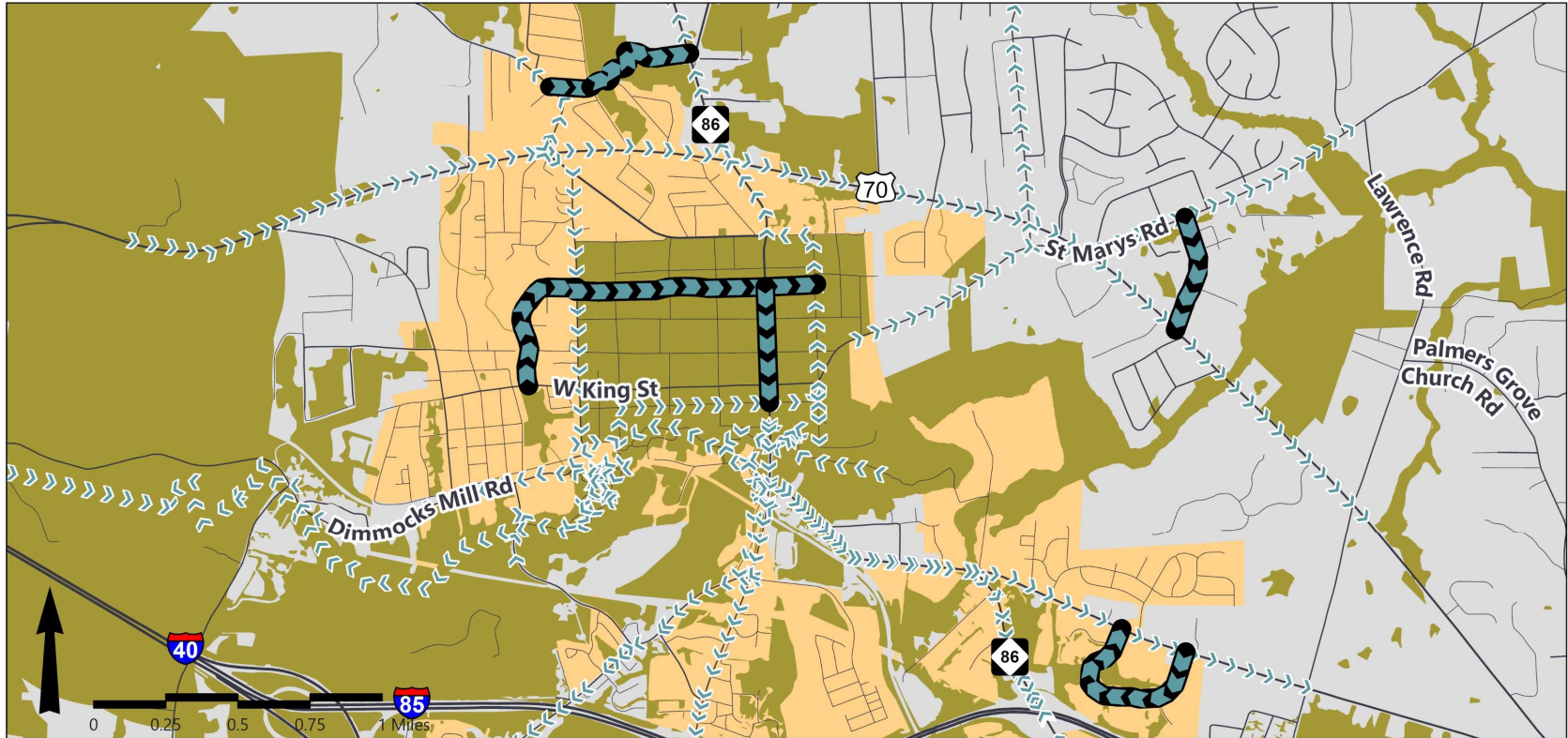
- Orange-Durham Express Extension, Existing Stop
- Orange-Durham Express Extension, New Stop

# Job Access Strategy - Hillsborough


- Improve bicycle connectivity between residential and commercial centers.

## Hillsborough Bicycle Connectivity Recommendations

US 70 Multimodal Corridor Study



 Add sharrows and signage to establish bike route

 Existing/Planned Bike Route

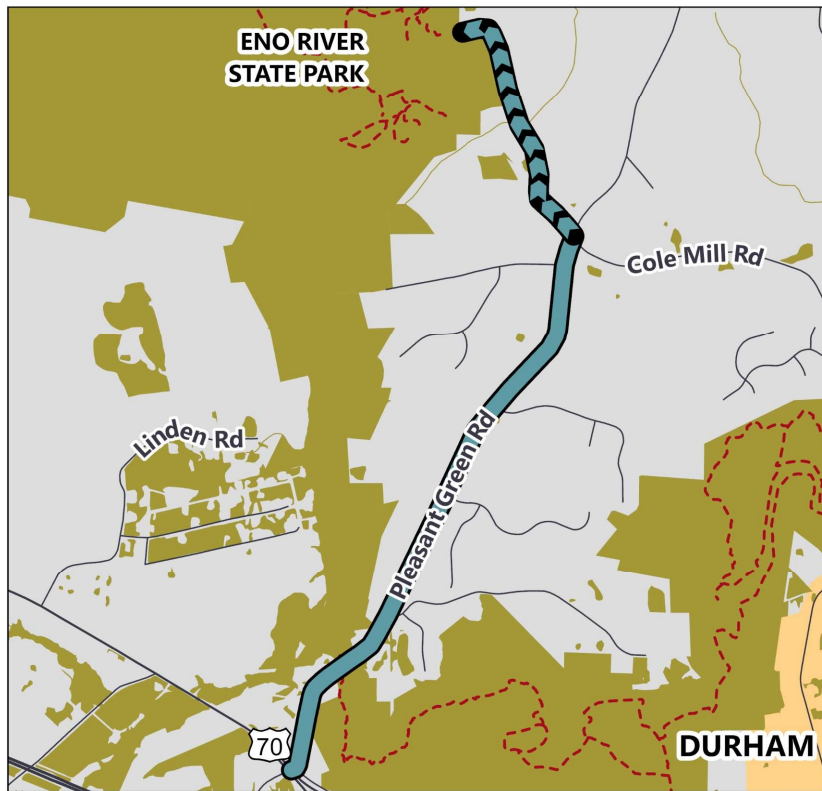
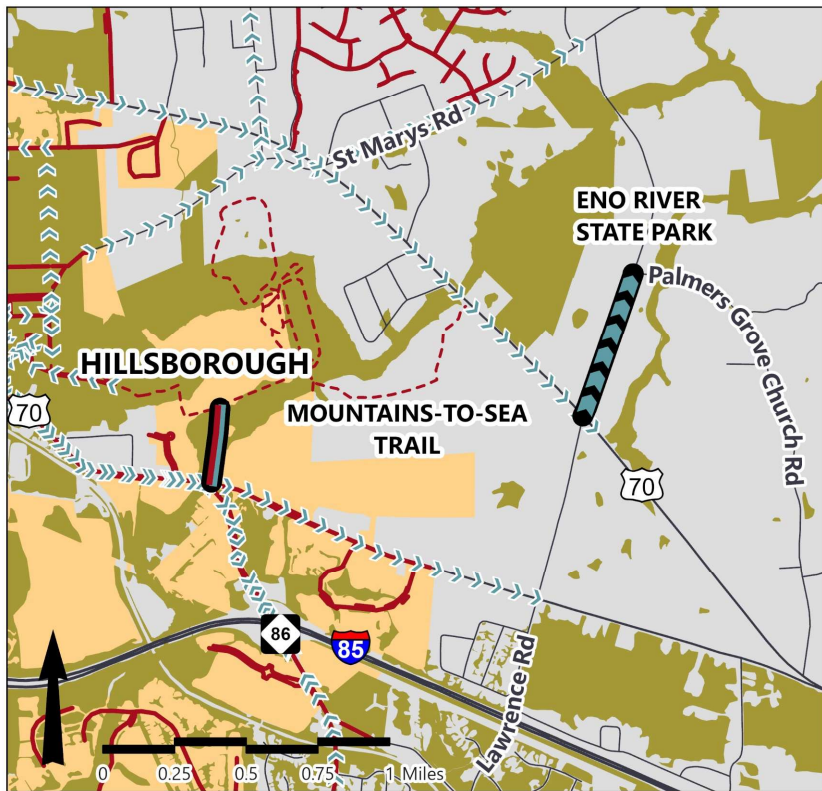








# Natural Environment Strategy

- Connect Eno River State Park to US 70 via bicycle infrastructure.
- Further connect trail system to urban active transportation network.
- Designate wildlife crossings where animal strikes are high.

## Multimodal Park Access Recommendations

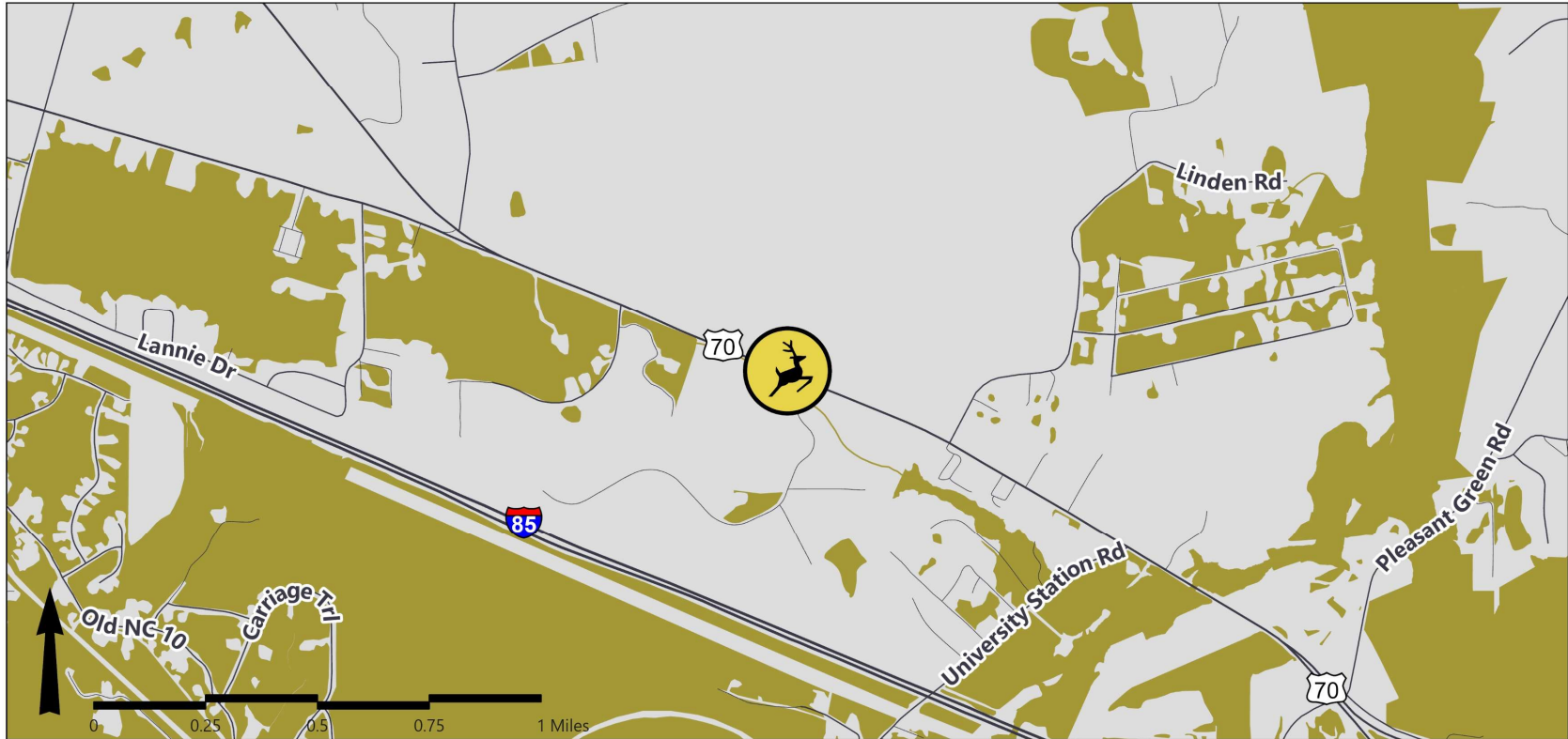
US 70 Multimodal Corridor Study



-  Construct shared-use path
-  Construct protected bike lane
-  Add sharrows and signage to establish bike route
-  Existing/Planned Bike Route
-  Existing/Planned Sidewalk
-  Existing/Planned Trail

## Wildlife Crossing Recommendations

US 70 Multimodal Corridor Study



Develop location for a designated wildlife crossing of US 70 between Seven Springs Road and Linden Road.

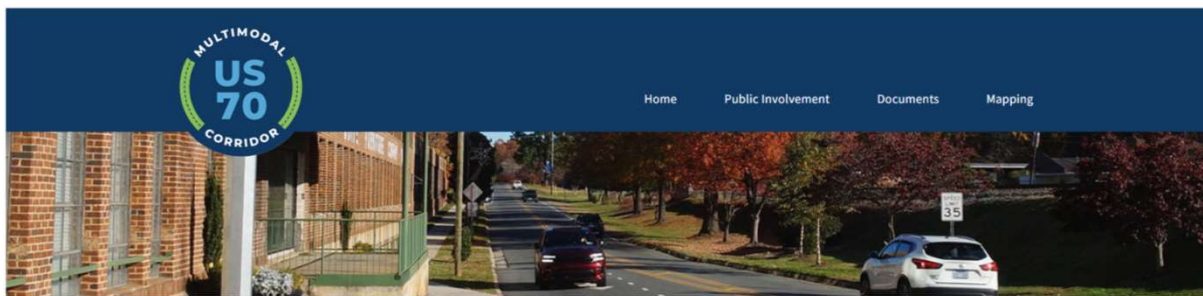


# Project Schedule





# Project Website – www.us70west.com



## Get Involved

The project team will be out in your community and would love to hear from you! Check back in on this site for updates to community events.

### Upcoming Events

#### Public Meetings **NEW!**

A series of three Community meetings to share improvement recommendations and get feedback on priorities will be held in the locations listed below. Light refreshments and a Playzone for kids will be provided at each meeting. All meetings will have an associated Zoom link for virtual attendance.

[Round 2 Workshop Flyer](#) (PDF, 0.8MB) **NEW**

#### Sign up for Project Information

Use this form to sign-up to receive project updates regarding the US 70 Multimodal Study.

Name \*

First Name

Last Name

E-mail \*

## We want to hear from you!

[Policy Recommendations Document](#) (PDF, 0.XMB) **NEW**

[Recommendations Survey](#) **NEW**

## Interactive Map - Add your comments!

Please utilize the online comment form and map to review the proposed recommendations and share your input.

[Launch the Online Comment Form and Map](#) **NEW**

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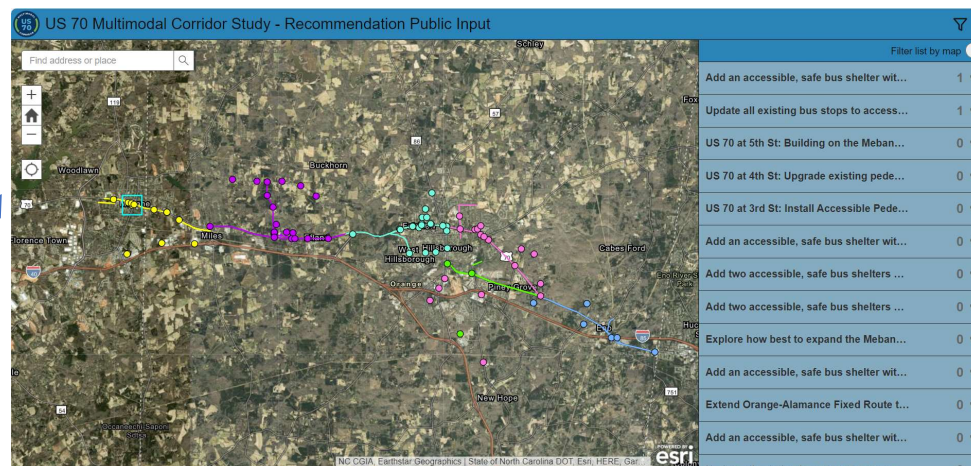
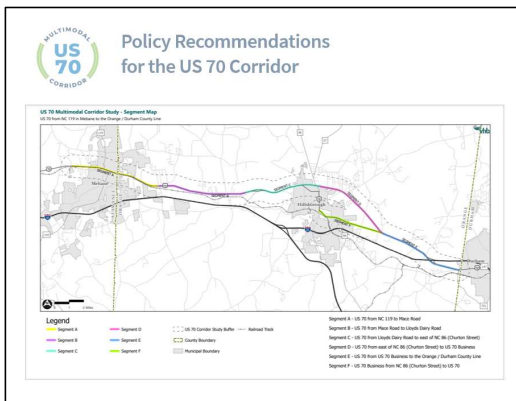
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 [Recommendations Survey](#) **NEW**

**Interactive Map - Add your comments!**

Please utilize the online comment form and map to review the proposed recommendations and share your input.

 [Launch the Online Comment Form and Map](#) **NEW**



# Next Steps

- Review recommendations and make revisions after community feedback
- Develop implementation strategy
- Finalize Report
- Present study and findings to Town Boards and County





**Thank You!**