

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)



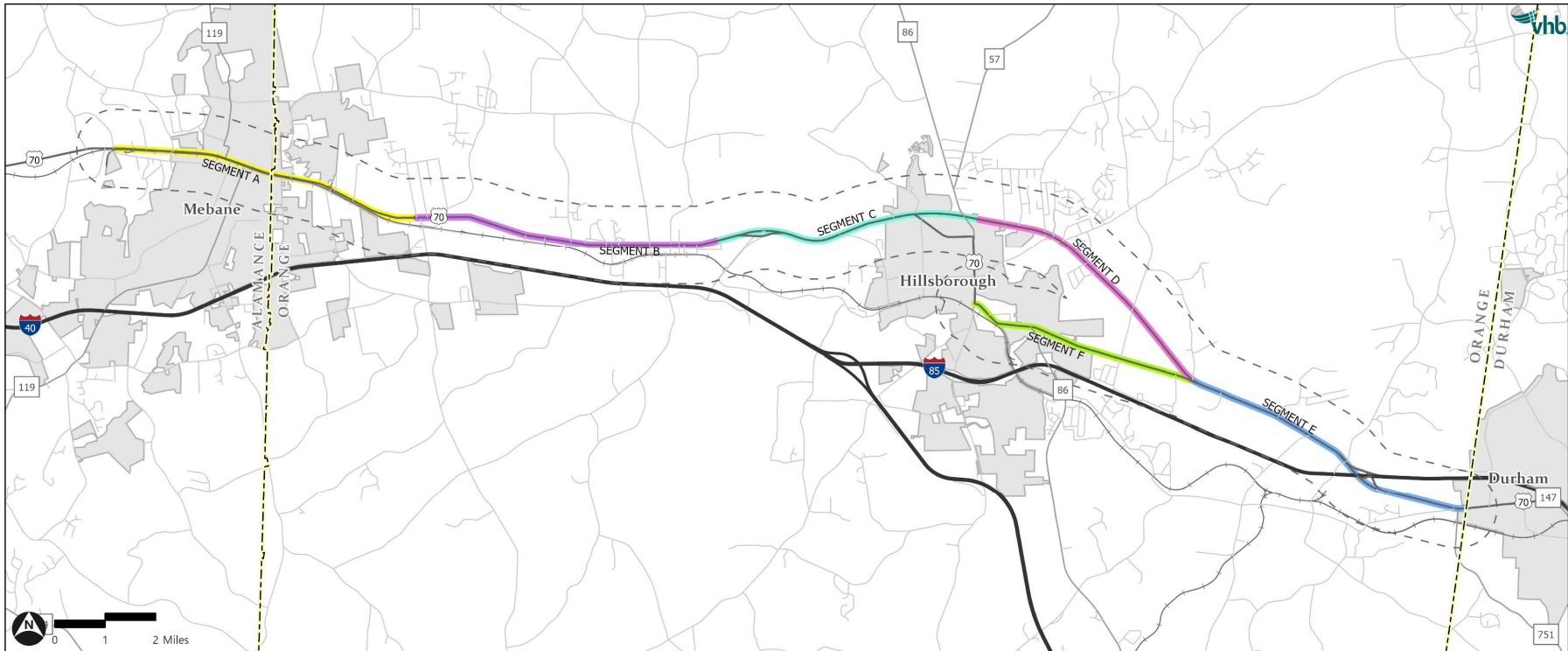
US 70 Multimodal Corridor Study

US 70 Study 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

- | | | | |
|---|--|---|---|
| █ Segment A | █ Segment D | US 70 Corridor Study Buffer | — Railroad Track |
| █ Segment B | █ Segment E | County Boundary | Municipal Boundary |
| █ Segment C | █ 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.



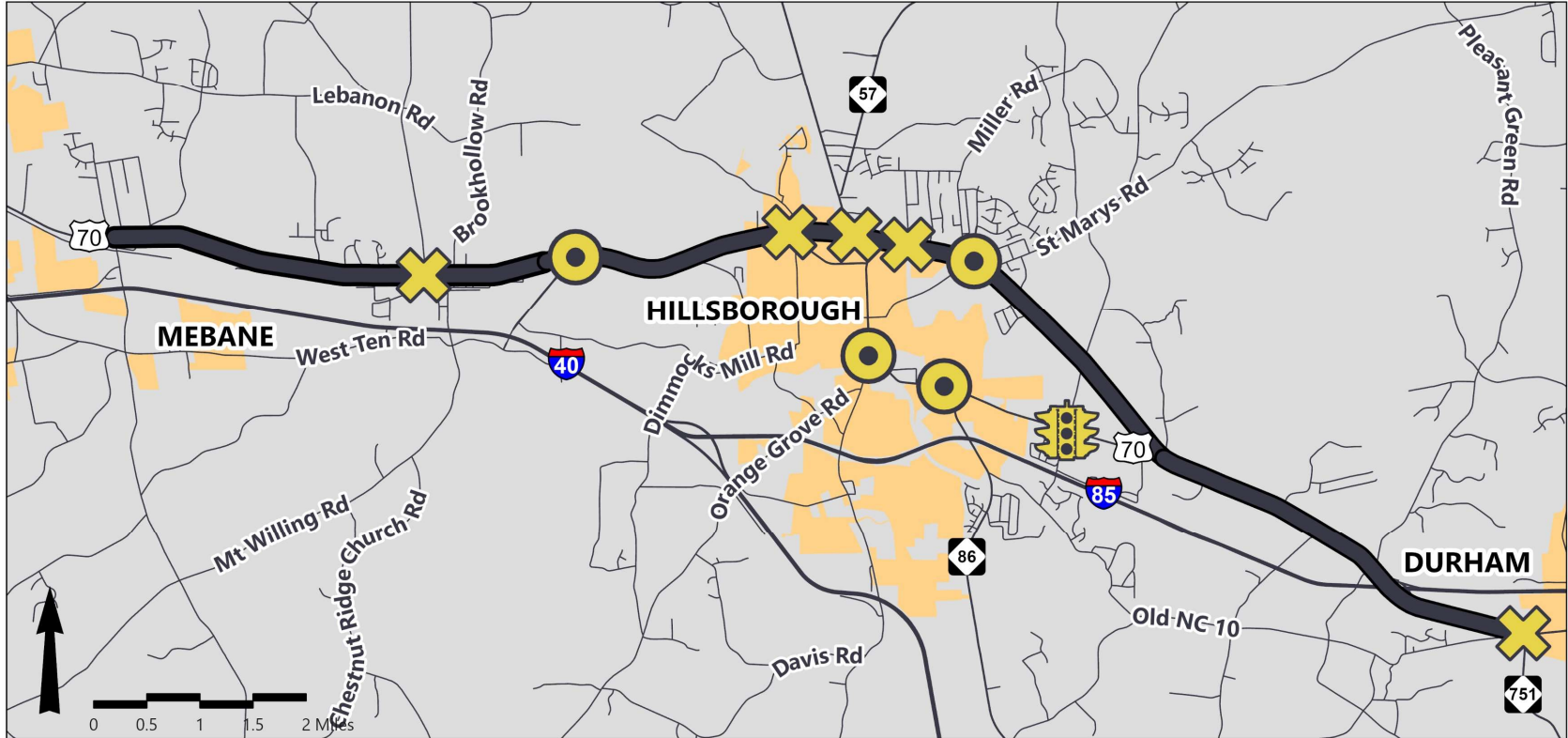
Recommendations

Mobility Strategy

- Improve multimodal transportation infrastructure to address future traffic demand through the corridor.
- Improve transit and vehicular access between US 70 and I-40/I-85.
- Expand park and ride services.
- Expand Piedmont Authority for Regional Transportation (PART) services to job centers in the corridor.
- Establish alternative east-west bicycle routes for US 70 between Mebane and Durham.
- Implement NCDOT Complete Street policy for multimobility on all road improvement projects


Roadway Improvement Recommendations


US 70 Multimodal Corridor Study



 Roundabout

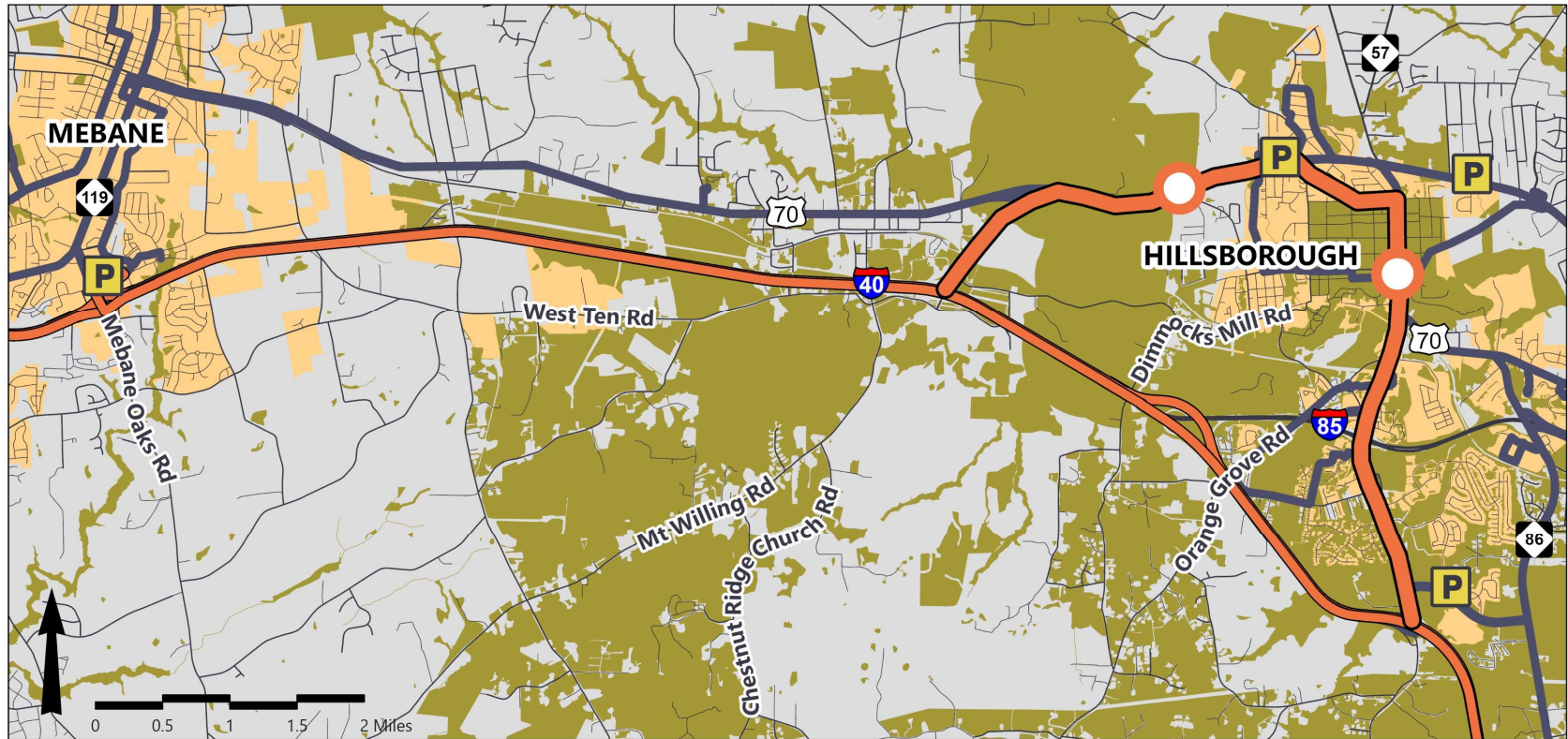
 Traffic Signal

 Turn lane addition/extension

 Four-lane median divided highway

Additional Congestion Management Recommendations

US 70 Multimodal Corridor Study



 PART Route 4 Extension, Existing Stop

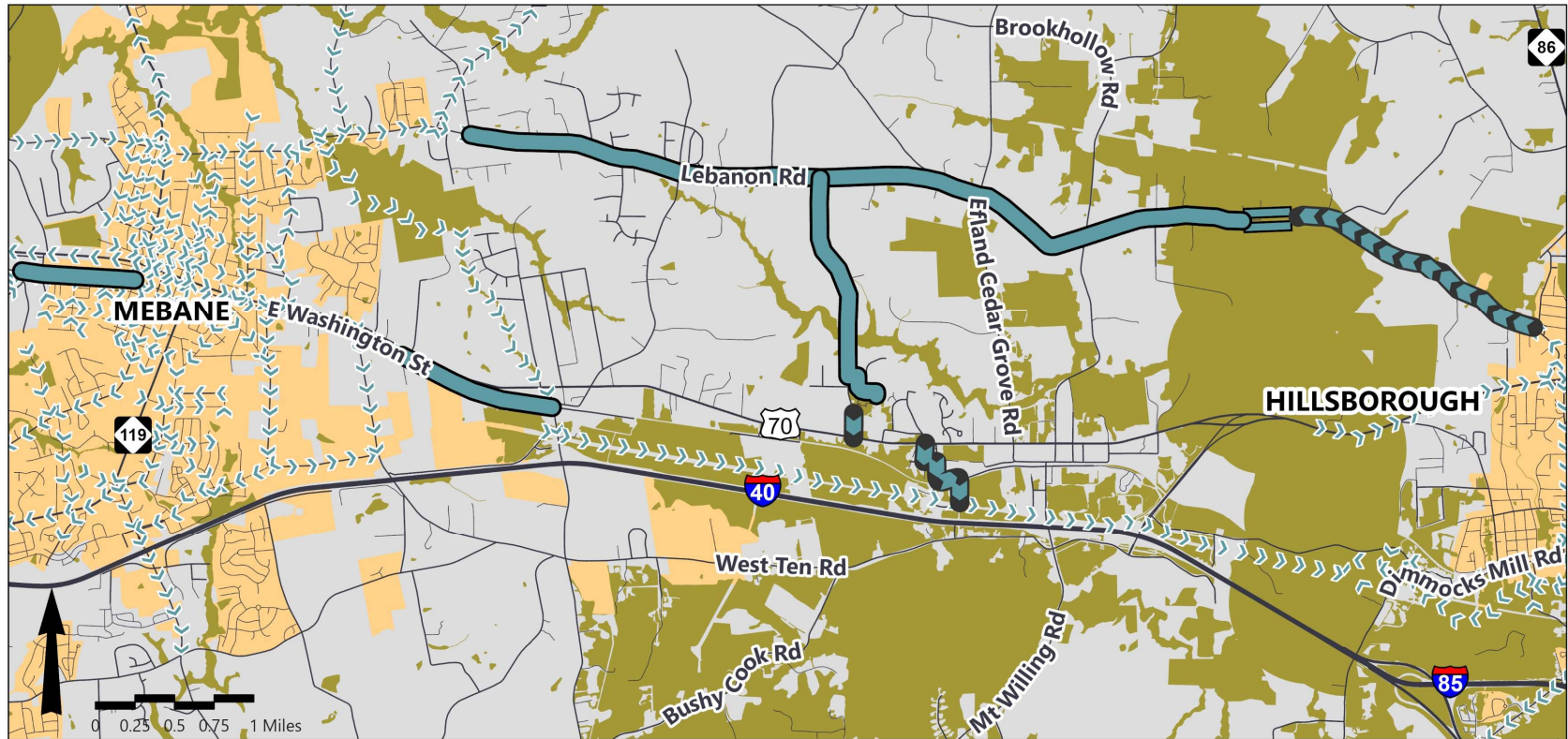
 PART Route 4

 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

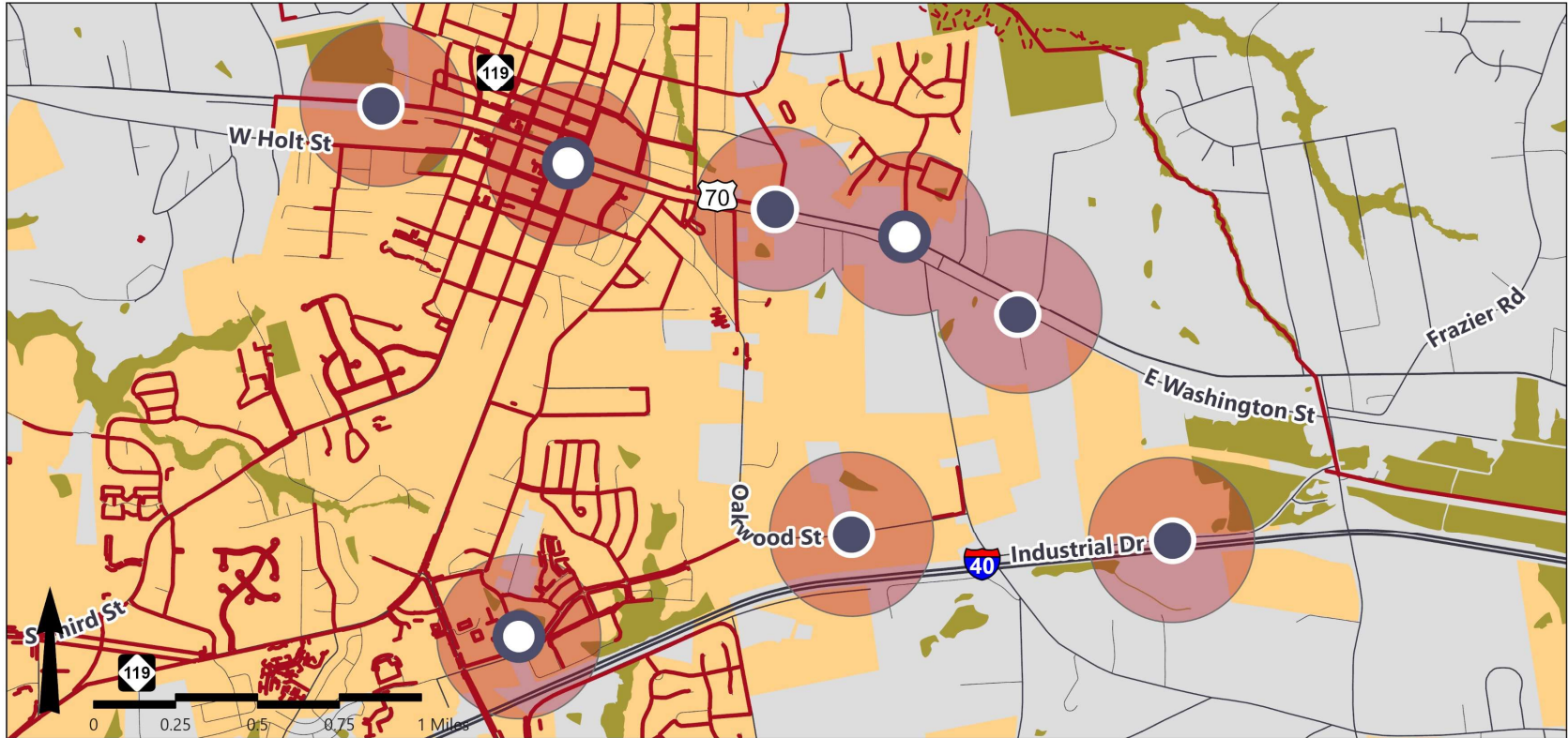
Existing/Planned Bike Route

Mobility Strategy – Mebane




- Construct accessible bus stops and shelters that serve Mebane’s employment centers, recreational destinations, 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.

Mebane Bus Stop Accessibility Recommendations

US 70 Multimodal Corridor Study



-  Existing Stop
-  New Stop

-  Existing/Planned Sidewalk
-  Existing/Planned Trail
-  Pedestrian Accessibility Priority Area

Mobility Strategy – Efland-Buckhorn-Mebane Economic Development Area

- Manage travel demand for future development in the Efland-Buckhorn-Mebane economic development area.

Slide 17

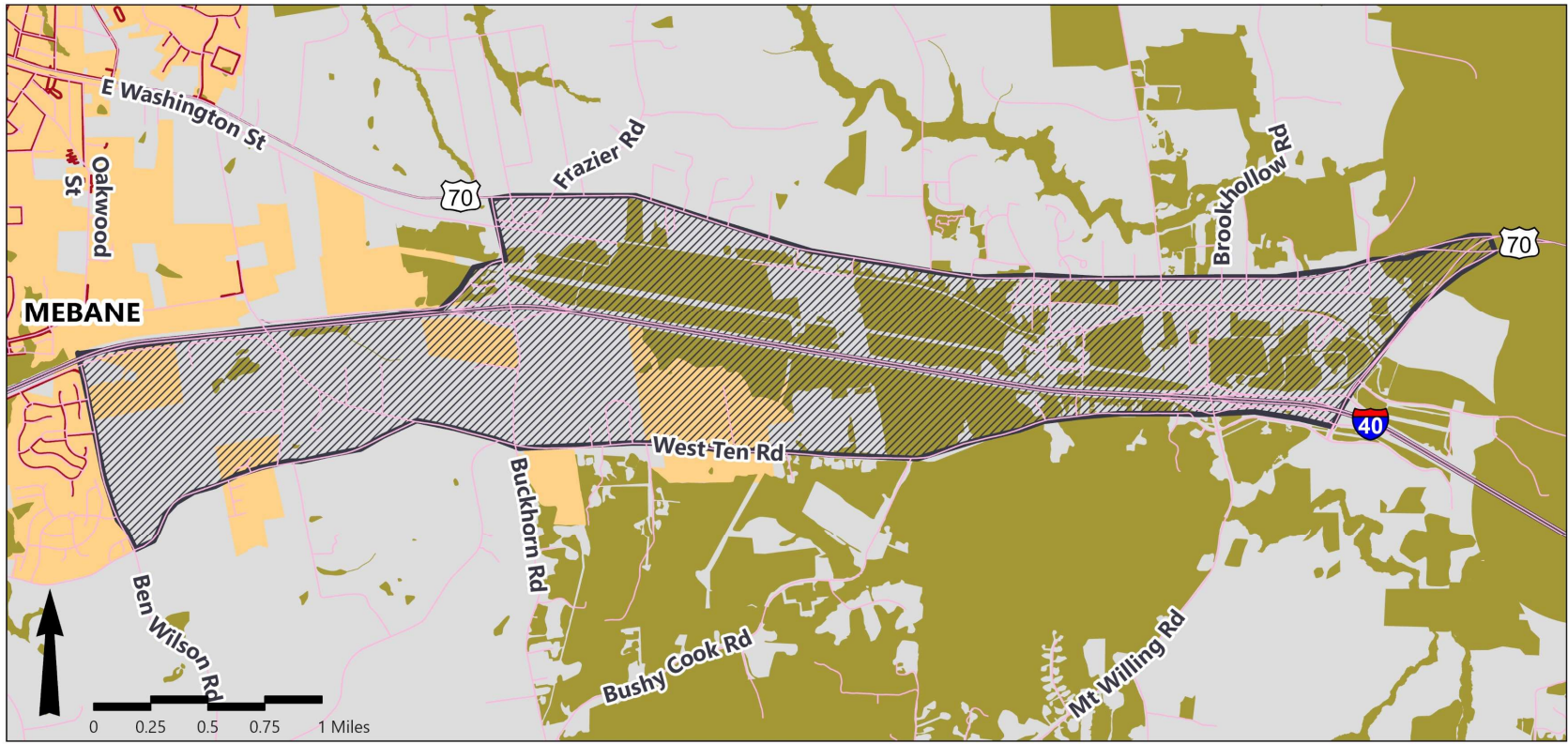
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Efland-Buckhorn-Mebane Mobility Recommendations

US 70 Multimodal Corridor Study



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

Slide 18

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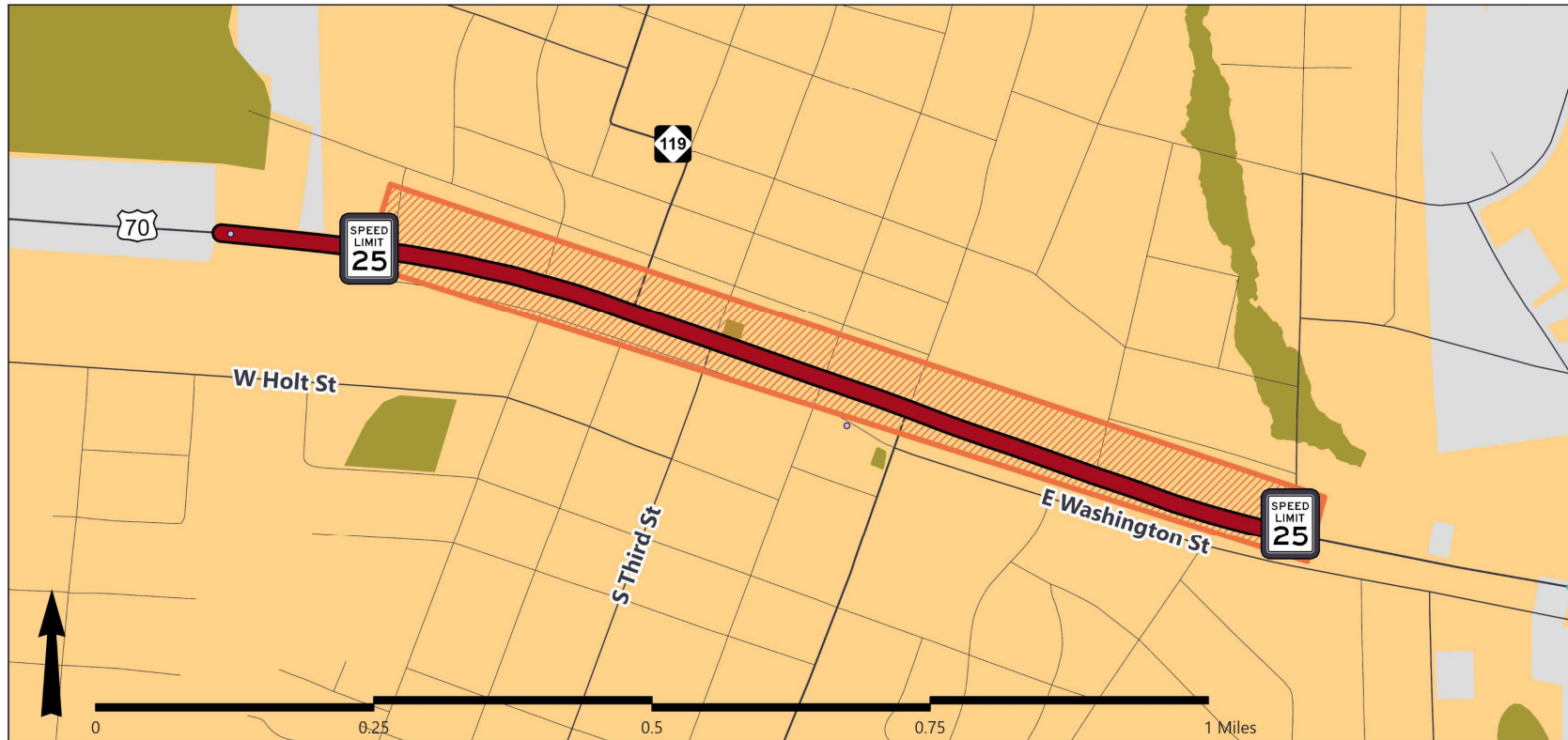
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Placemaking Strategy - Mebane


- Enhance downtown Mebane's community character.
- Complete sidewalk continuity in downtown Mebane.

Downtown Mebane Placemaking Recommendations

US 70 Multimodal Corridor Study



Decrease speed limit to 25 between Charles and Ninth Streets.

 Maintain existing sidewalk; combine and minimize curb cuts and wide, flush frontages as parcels redevelop.

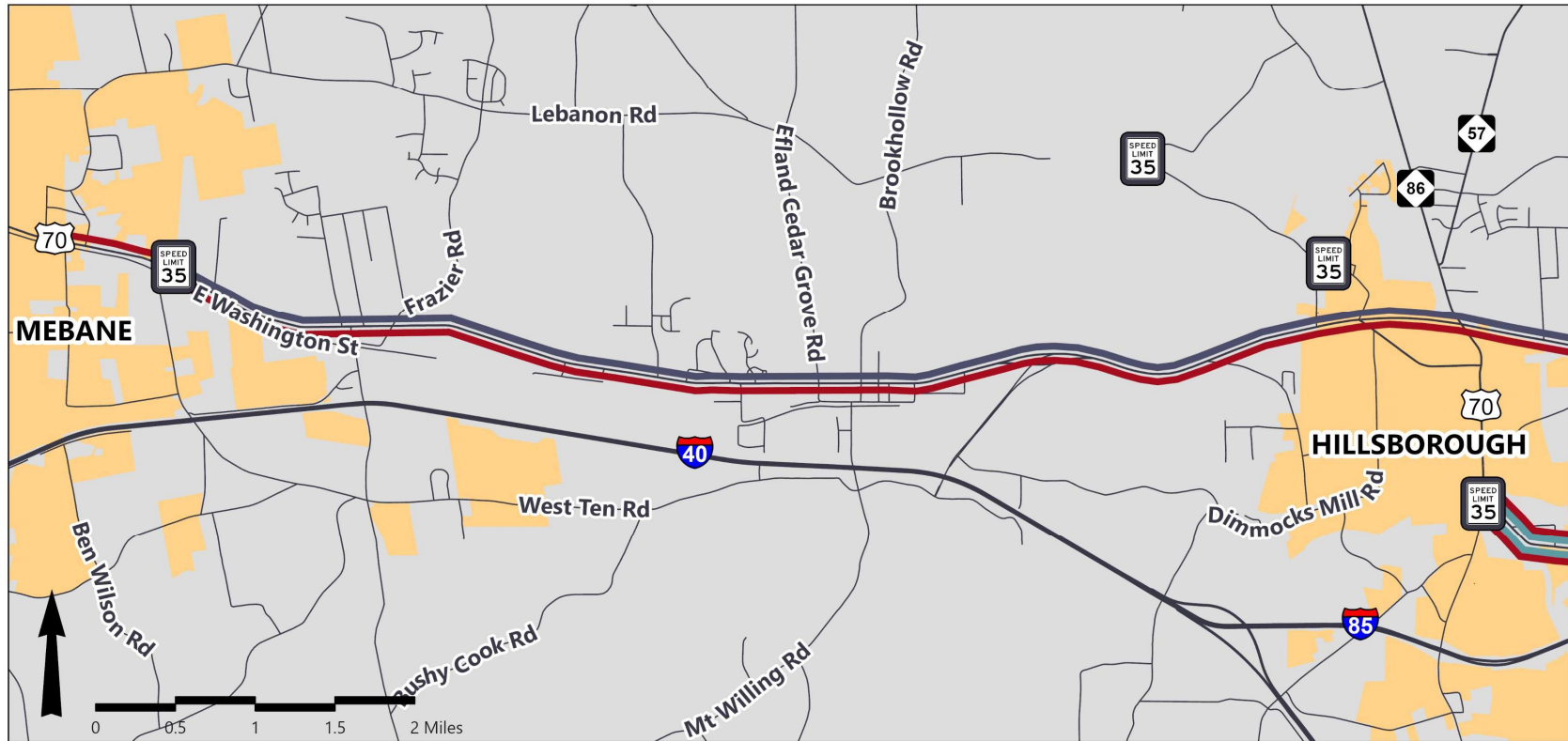
 Invest in streetscaping projects between Charles and Ninth Streets.


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



 Decrease speed limit to 35mph

 Sidewalk on north side

 Protected bike lane and sidewalk on both sides

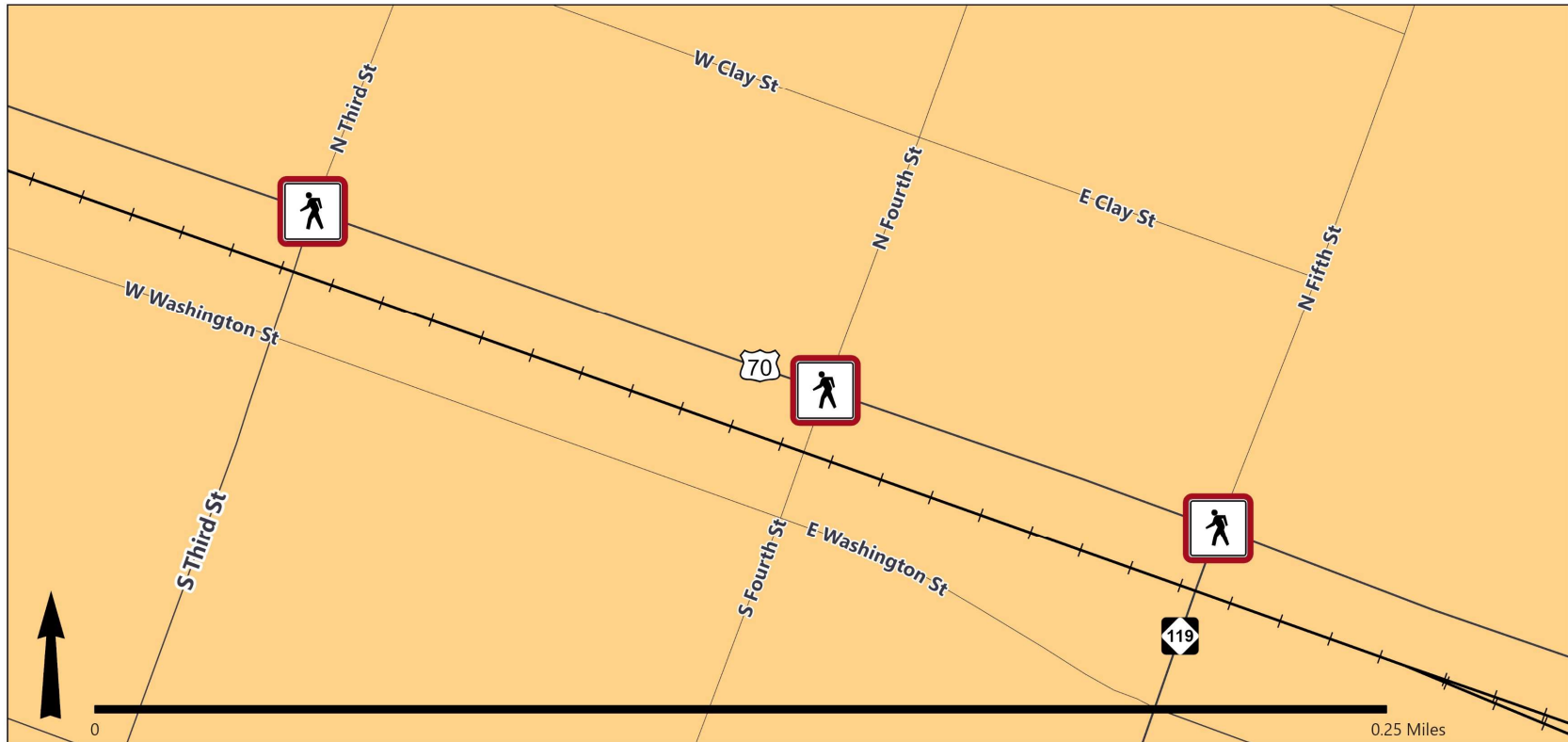
 Shared-use path on north side; sidewalk on south side


Safety Strategy - Mebane

- Modernize existing US 70 pedestrian crossings in downtown Mebane.

Mebane Intersection Modernization Recommendations

US 70 Multimodal Corridor Study



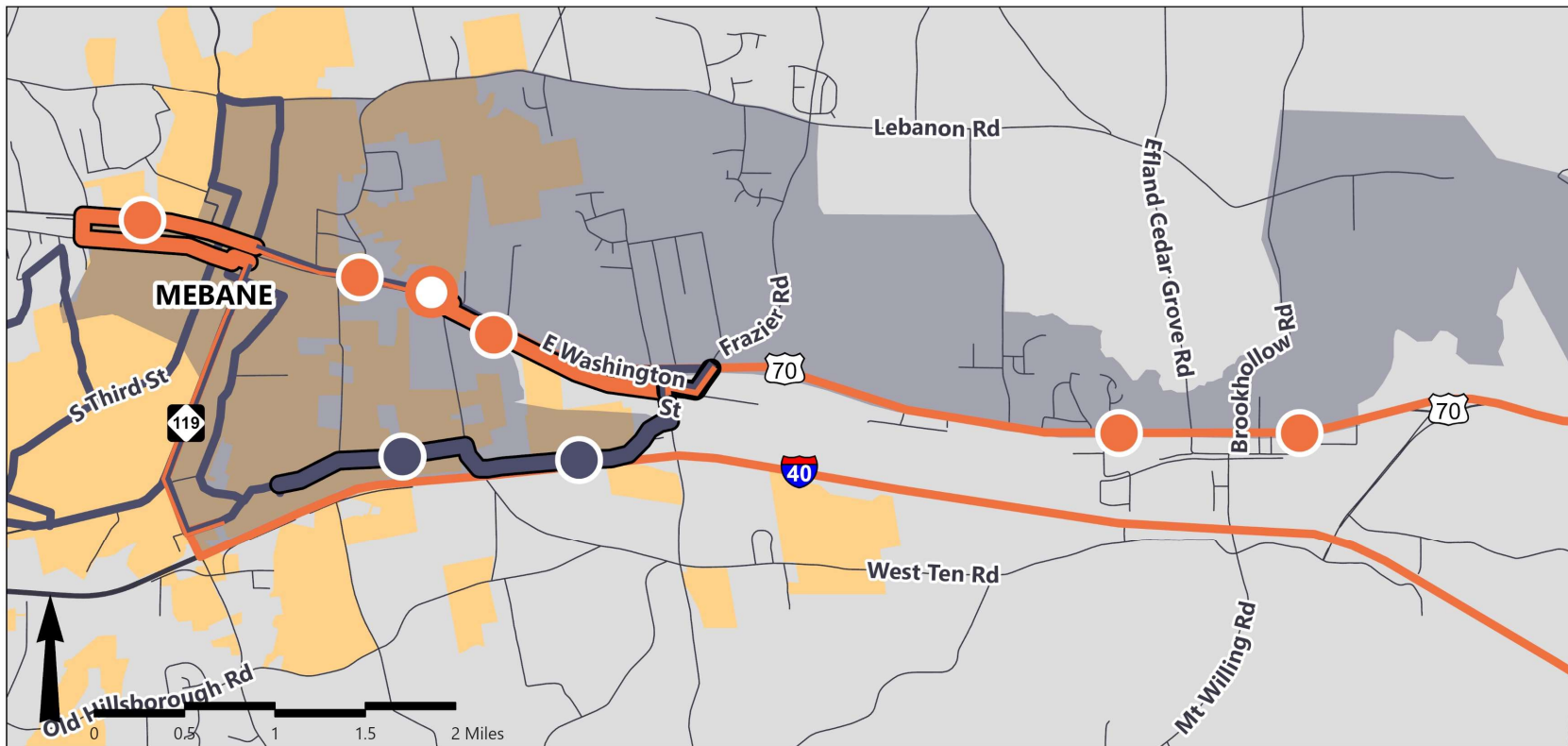
 Install Accessible Pedestrian Signal (APS) heads/pedestals on all corners; include Leading Pedestrian Intervals (LPIs) in signal timing plan; implement No Right Turn on Red (NRTOR) restrictions via signage and enforcement; re-mark existing crosswalks with high-visibility markings; widen the existing at-grade rail crossing shoulder six (6) feet on each side to provide a safer pedestrian connection across the railroad corridor.

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.

ACTA and OCTP Transit Service Expansion Recommendations (West Corridor)

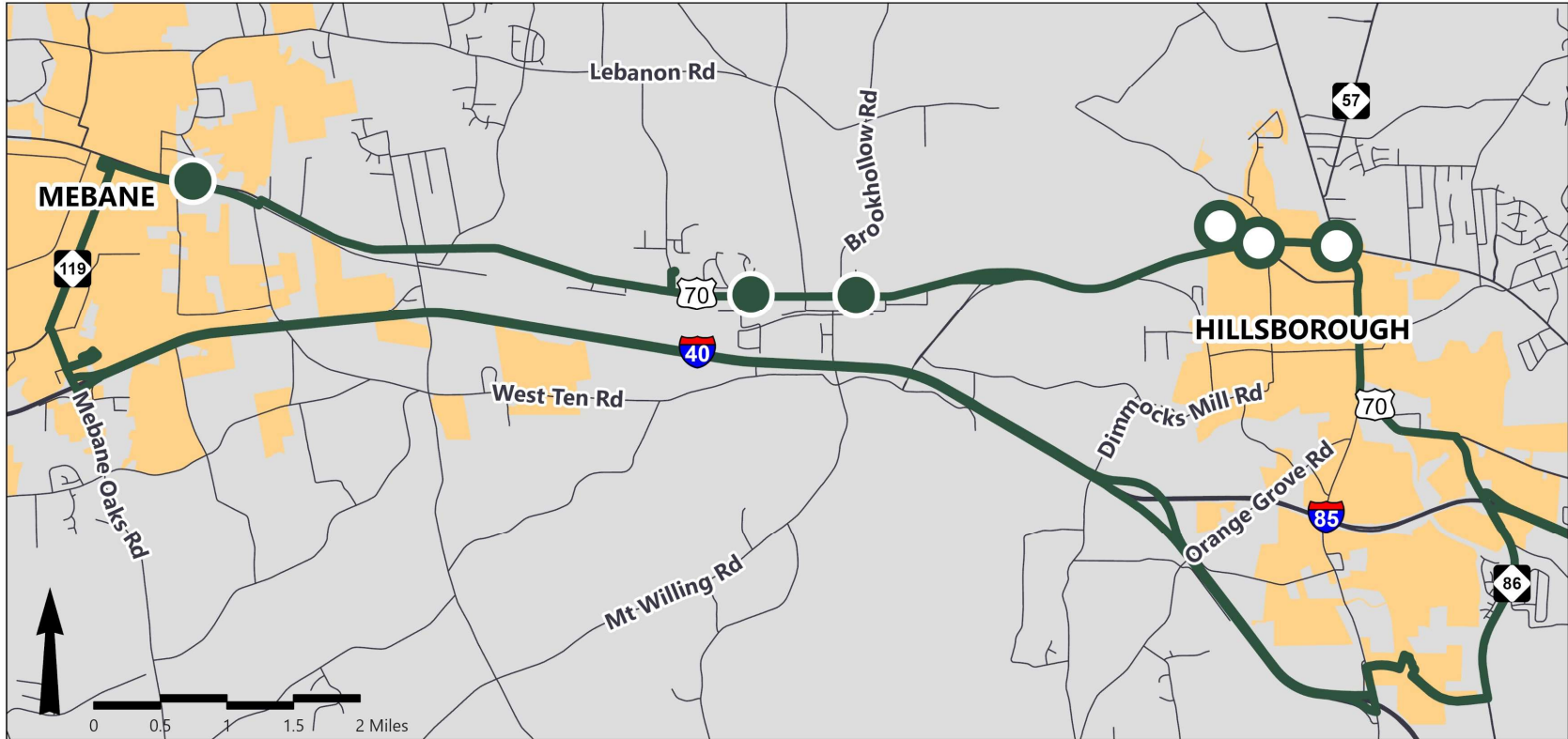
US 70 Multimodal Corridor Study





- Mebane Circulator Extension, New Stop
- Orange-Alamance Connector Extension, Existing Stop
- Orange-Alamance Connector Extension, New Stop
- Mobility-on-Demand Service Area

GoTriangle Transit Service Expansion Recommendations

US 70 Multimodal Corridor Study



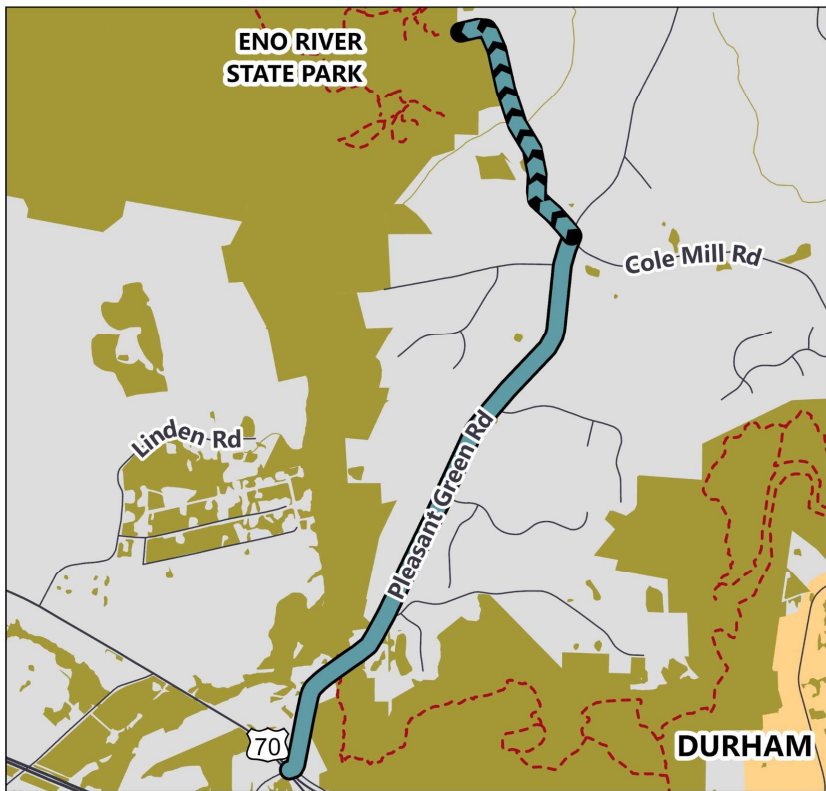
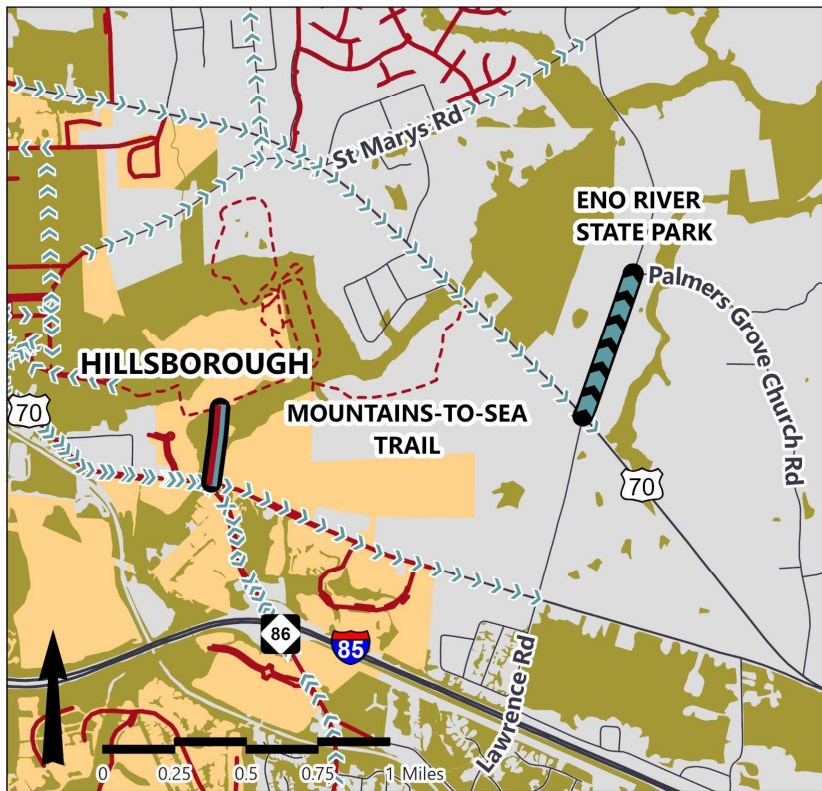
-  Orange-Durham Express Extension, Existing Stop
-  Orange-Durham Express Extension, New Stop







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

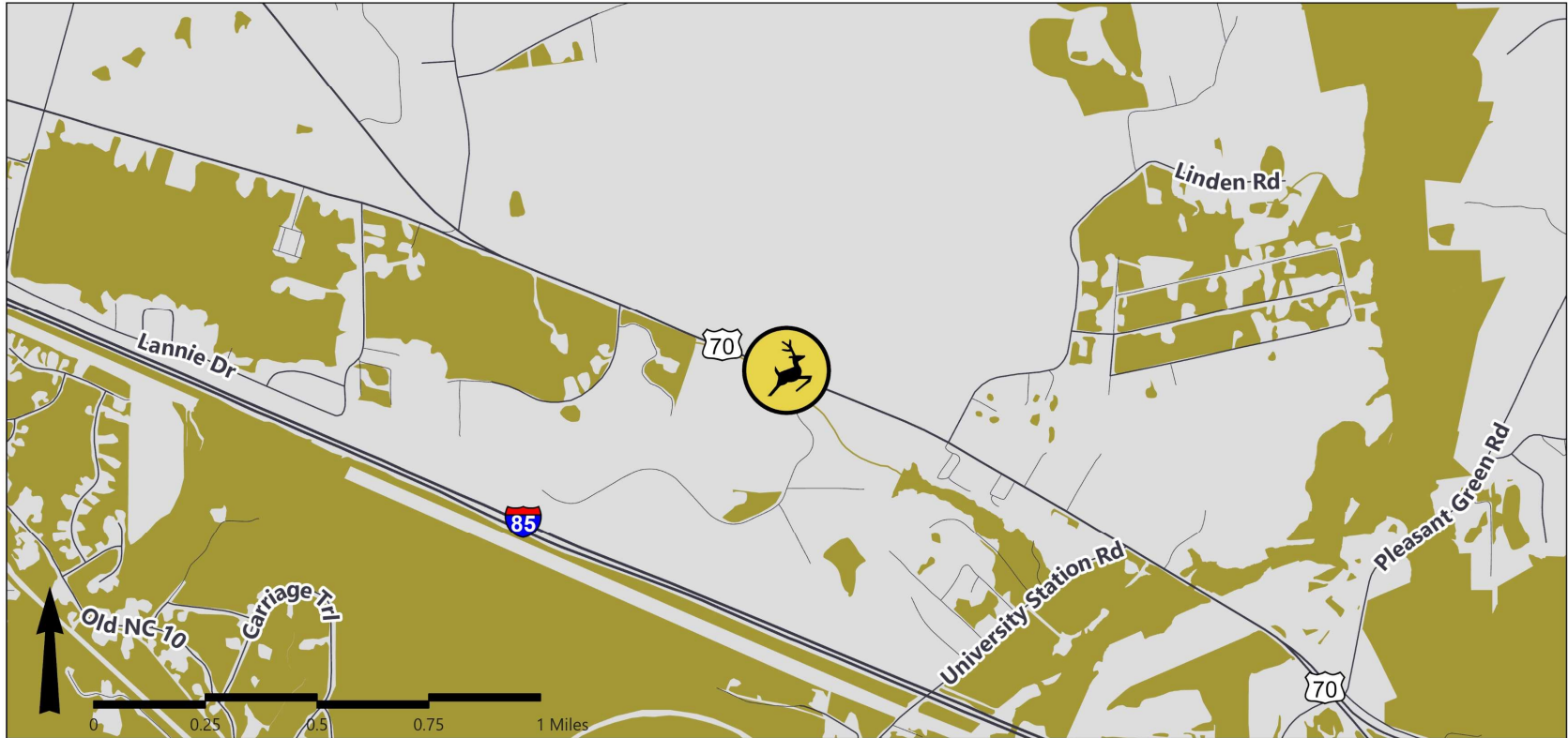
US 70 Multimodal Corridor Study



-  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

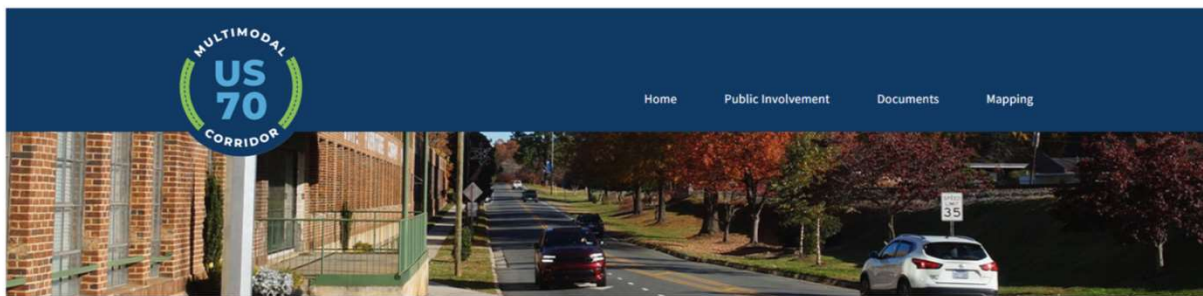
Wildlife Crossing Recommendations

US 70 Multimodal Corridor Study



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

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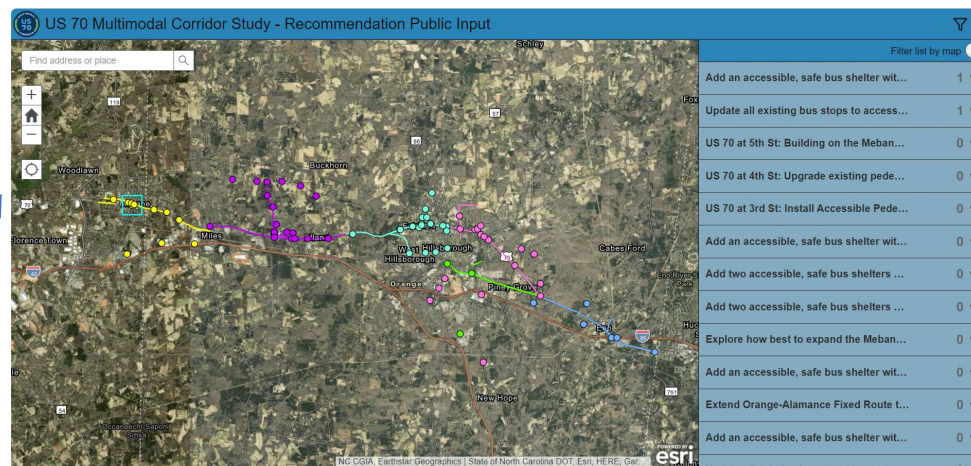
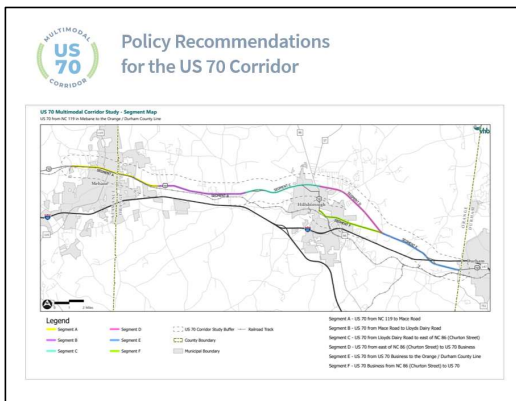
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 [Recommendations Survey](#) **NEW**

Interactive Map - Add your comments!

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Next Steps

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



Project Schedule





Thank You!