Western Union County
Local Area Regional Transportation Plan

Partners:

Village of Marvin
Town of Waxhaw
Town of Weddington
Village of Wesley Chapel
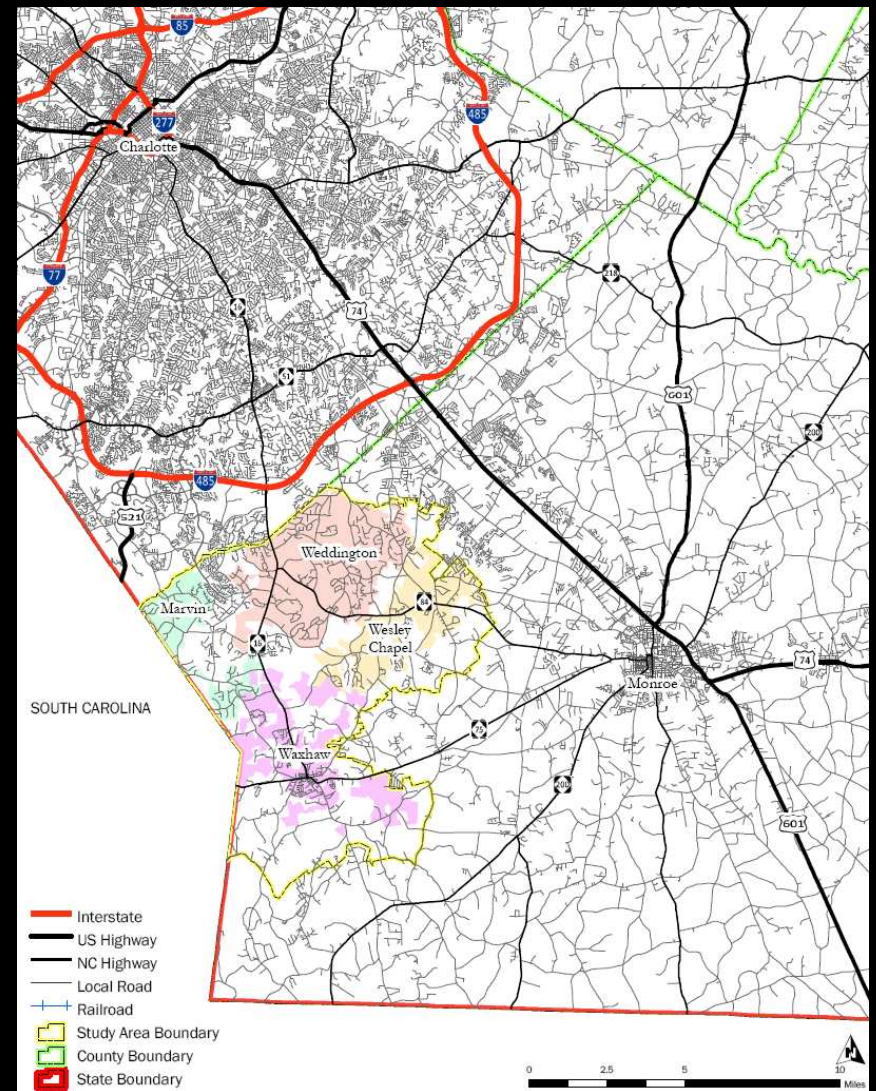
Centralina Council of Governments
Mecklenburg-Union Metropolitan Planning
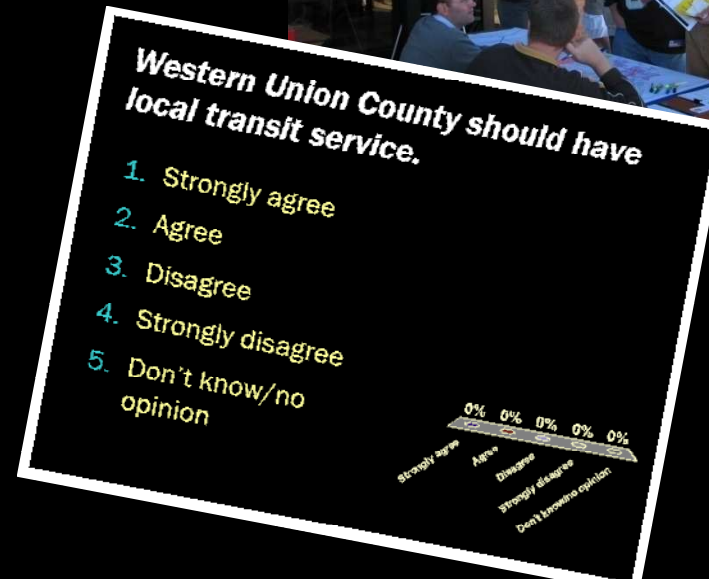Organization

MARTIN ALEXIOU BRYSON

Objectives

- Promote regional coordination
- Raise voice in MUMPO
- Pool resources
- Standardize regulations
- Plan local projects

Public Outreach

- Steering and Technical Committees
- Public workshops
- Interactive polling
- Booths at community events
- Project website
- Public meeting
- Public hearings

Waxhaw Farmers Market

Marvin Chili Cook-Off

Western Union County should have local transit service.
1. Strongly agree
2. Agree
3. Disagree
4. Strongly disagree
5. Don't know/no opinion

0% 0% 0% 0% 0%
Strongly agree Agree Disagree Strongly disagree Don't know/no opinion

Components of the Plan

- Multimodal
  - Roadways
  - Intersections
  - Transit
  - Bikes
  - Pedestrians

- Land use policies and ordinance revisions

- Prioritization

- Implementation + Funding

Thoroughfare Plan

- Improve existing roadways

- Propose new roads to create connections

- Create regional, organized system
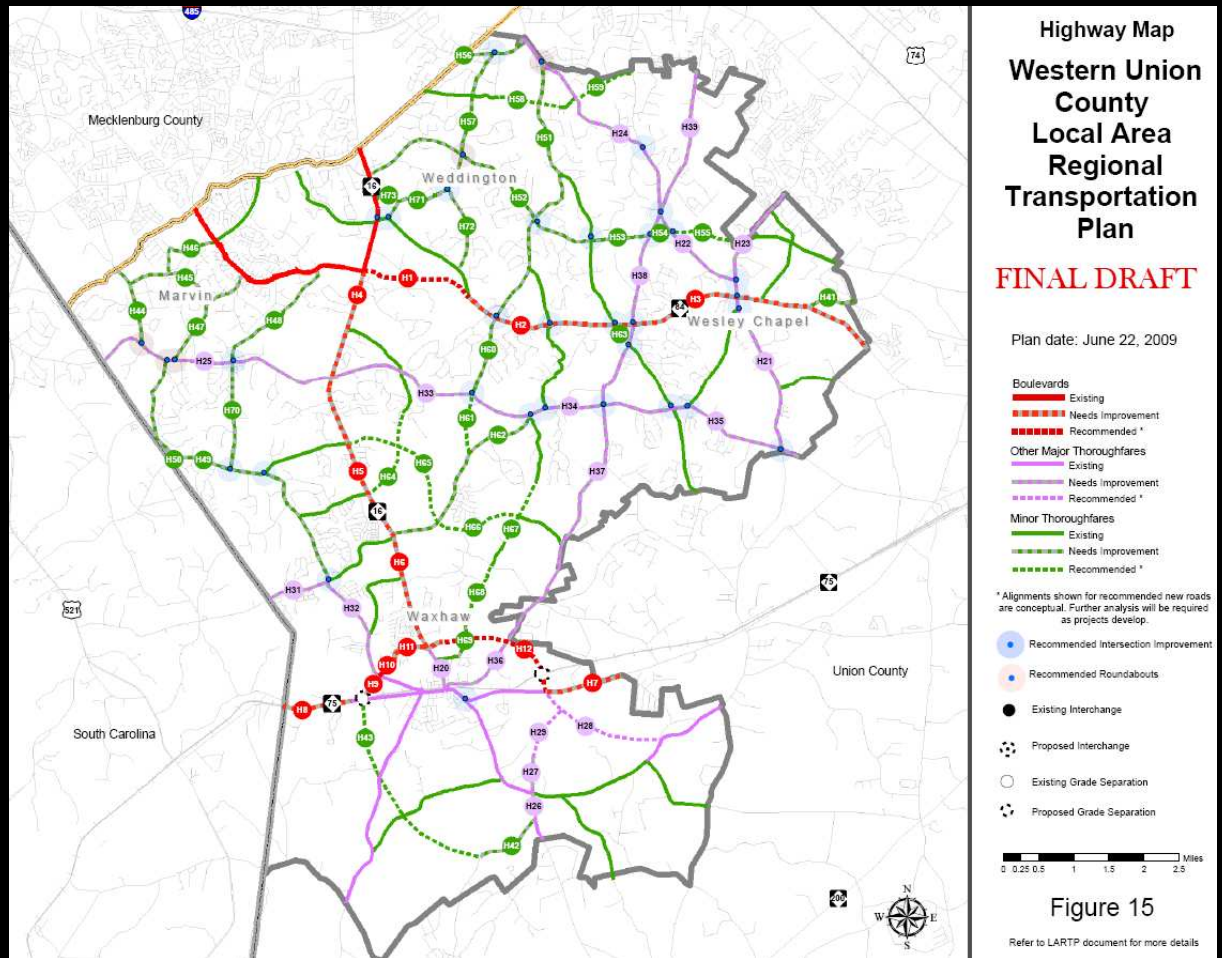
Thoroughfare Plan

Project Key	
ID	**Description**
Boulevards	
H1	Construct 4-lane boulevard
H2	Widen to 4-lane boulevard
H3	Widen to 4-lane boulevard
H4	Widen to 4-lane boulevard
H5	Widen to 4-lane boulevard
H6	Widen to 4-lane boulevard
H7	Widen to 4-lane boulevard
H8	Widen to 4-lane boulevard
H9	Widen to 4-lane boulevard
H10	Construct 4-lane boulevard
H11	Widen to 4-lane boulevard
H12	Construct 4-lane boulevard
Other Major Thoroughfares	
H20	Add turn lanes, widen shoulder and improve geometrics as appropriate; employ context-sensitive design
H21	Widen to 3 lanes, add shoulders, turn lanes and improve geometrics as appropriate
H22	Widen to 3 lanes, add shoulders, turn lanes and improve geometrics as appropriate
H23	Widen to 4 lanes w/median
H24	Widen to 3 lanes, add shoulders, turn lanes and improve geometrics as appropriate
H25	Widen to add shoulder and bike lanes, preserve ROW for future widening
H26	Preserve ROW for future Boulevard
H27	Preserve ROW for future Boulevard
H28	Construct new 2-lane connector to Waxhaw Parkway
H29	Construct new 2-lane facility
H31	Widen to 3 lanes, add shoulders, turn lanes and improve geometrics as appropriate
H32	Widen to 3 lanes, add shoulders, turn lanes and improve geometrics as appropriate; add bike lanes
H33	Widen shoulder and construct off-street multi-use path; preserve ROW for future widening
H34	Widen shoulder and construct off-street multi-use path; preserve ROW for future widening
H35	Widen shoulder and construct off-street multi-use path; preserve ROW for future widening
H36	Widen to 3 lanes, add shoulders, turn lanes and improve geometrics as appropriate
H37	Widen to 3 lanes, add shoulders, turn lanes and improve geometrics as appropriate
H38	Widen to 3 lanes, add shoulders, turn lanes and improve geometrics as appropriate
H39	Widen to 3 lanes, add shoulders, turn lanes and improve geometrics as appropriate
Minor Thoroughfares	
H41	Widen to 4 lanes w/ median, bike lane
H42	Add turn lanes, widen shoulder and improve geometrics as appropriate
H43	Construct 2-lane facility
H44	Add bike lanes, widen shoulders as appropriate
H45	Add bike lanes, widen shoulders as appropriate
H46	Add bike lanes, widen shoulders as appropriate
H47	Add bike lanes, widen shoulders as appropriate
H48	Add bike lanes, widen shoulders as appropriate
H49	Add bike lanes, widen shoulders as appropriate
H50	Add bike lanes, widen shoulders as appropriate
H51	Add turn lanes, widen shoulder and improve geometrics as appropriate
H52	Widen shoulder and improve geometrics as appropriate
H53	Widen shoulder and improve geometrics as appropriate
H54	Widen shoulder and improve geometrics as appropriate
H55	Construct 2-lane facility
H56	Widen to 2 lanes, w/ median, bike lane
H57	Widen to 3 lanes, add shoulders, turn lanes and improve geometrics as appropriate
H58	Construct 2-lane facility
H59	Construct 2-lane facility
H60	Add turn lanes, widen shoulder and improve geometrics as appropriate
H61	Construct 2-lane facility
H62	Add turn lanes, widen shoulder and improve geometrics as appropriate
H63	Construct 2-lane facility
H64	Construct 2-lane facility
H65	Construct 2-lane facility
H66	Construct 2-lane facility
H67	Construct 2-lane facility
H68	Construct 2-lane facility
H69	Widen shoulder and improve geometrics as appropriate
H70	Add off-street multi-use path
H71	Upgrade to standard 2-lanes w/ shoulders
H72	Upgrade to standard 2-lanes w/ shoulders
H73	Construct 2-lane facility
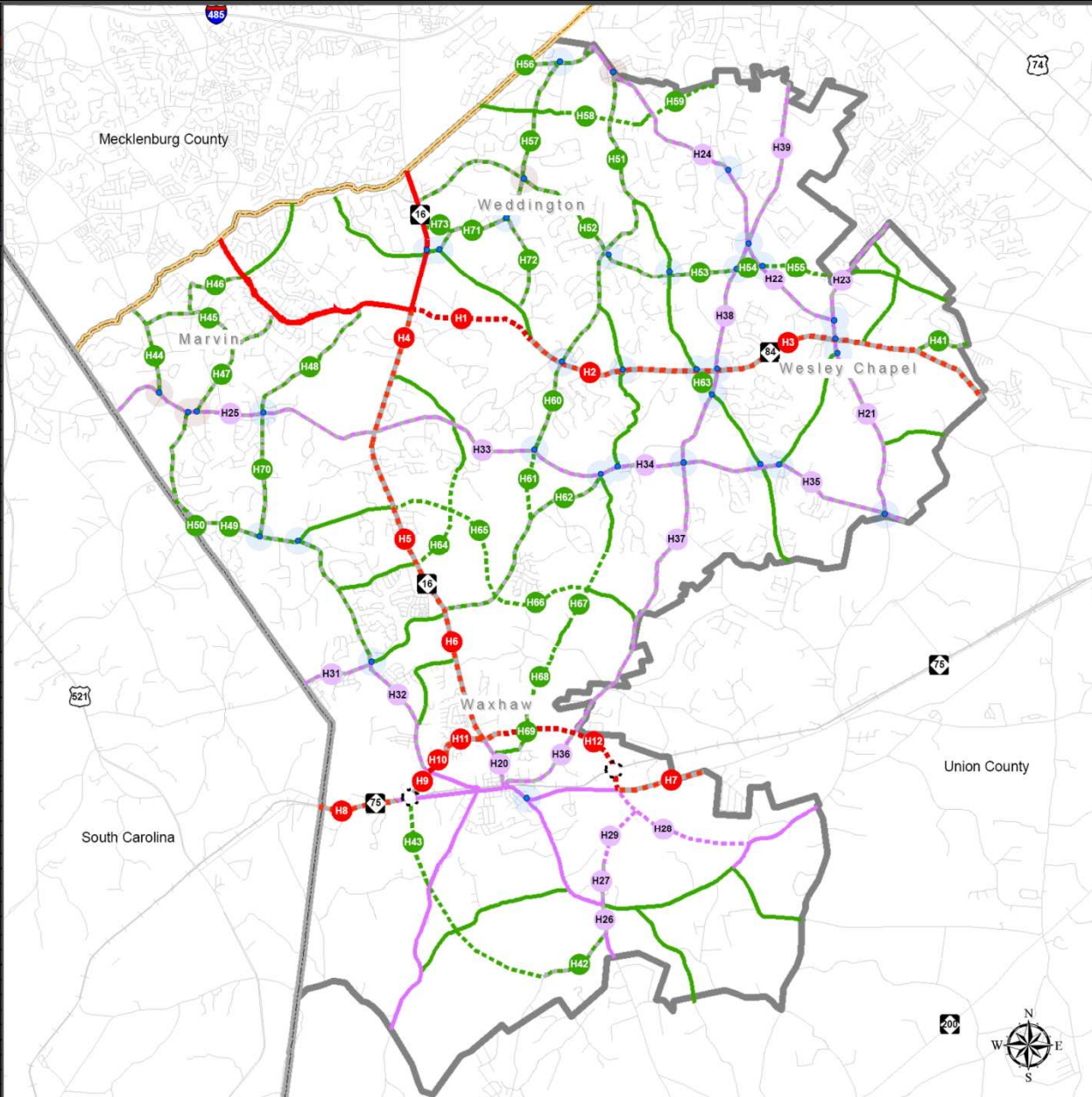
Highway Map

Western Union County Local Area Regional Transportation Plan

FINAL DRAFT

Plan date: June 22, 2009

Boulevards
Existing
Needs Improvement
Recommended *

Other Major Thoroughfares
Existing
Needs Improvement
Recommended *

Minor Thoroughfares
Existing
Needs Improvement
Recommended *

* Alignments shown for recommended new roads are conceptual. Further analysis will be required as projects develop.

Recommended Intersection Improvement

Recommended Roundabouts

Existing Interchange

Proposed Interchange

Existing Grade Separation

Proposed Grade Separation

Miles
0 0.25 0.5   1   1.5   2   2.5

Figure 15

Refer to LARTP document for more details

Mecklenburg County

Weddington

Marvin

Wesley Chapel

Waxhaw

South Carolina

Union County

Intersection Plan

- Enhance safety
- Increase capacity
- Various improvements:
  - turn lanes
  - signalization
  - ped improvements
  - sight distance improvements
  - roundabouts

Western Union County
Local Area Regional Transportation Plan

Focus: Weddington

Highway Map

Western Union County Local Area Regional Transportation Plan

Town of Weddington

Plan date: May 27, 2009

Figure 18

Refer to LARTP document for more details
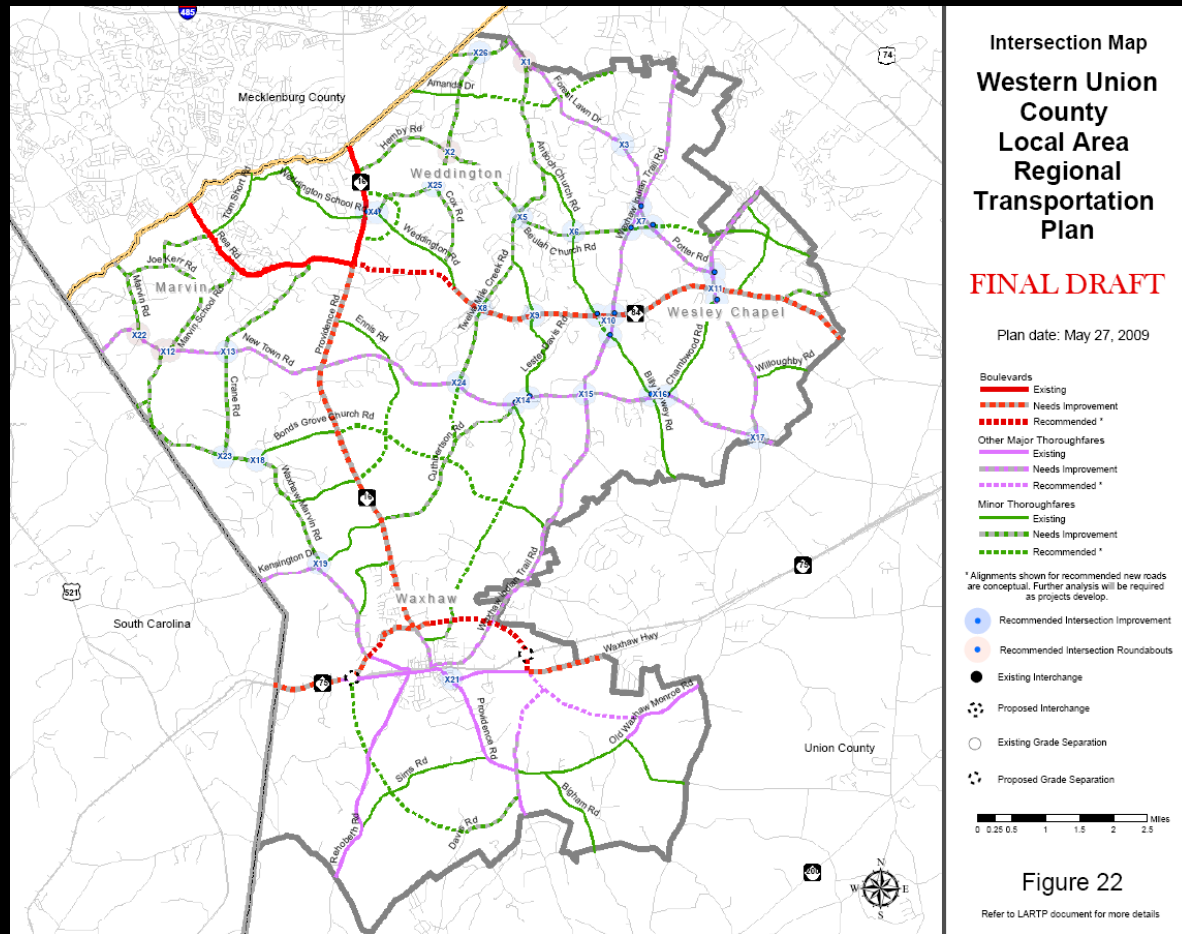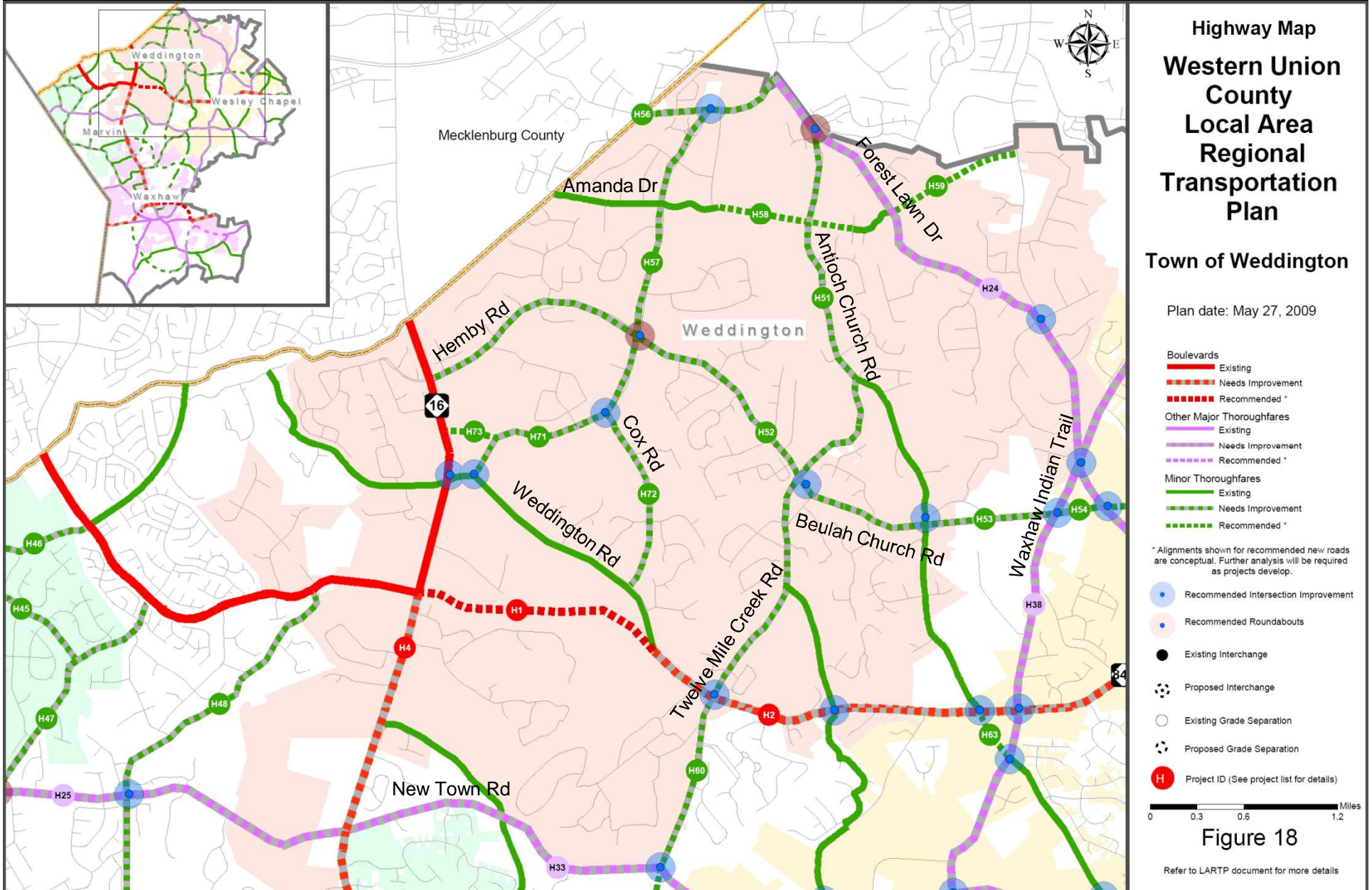
Thoroughfare Plan Priorities

- High, Medium, and Low Priorities

- Regional/system-wide benefits
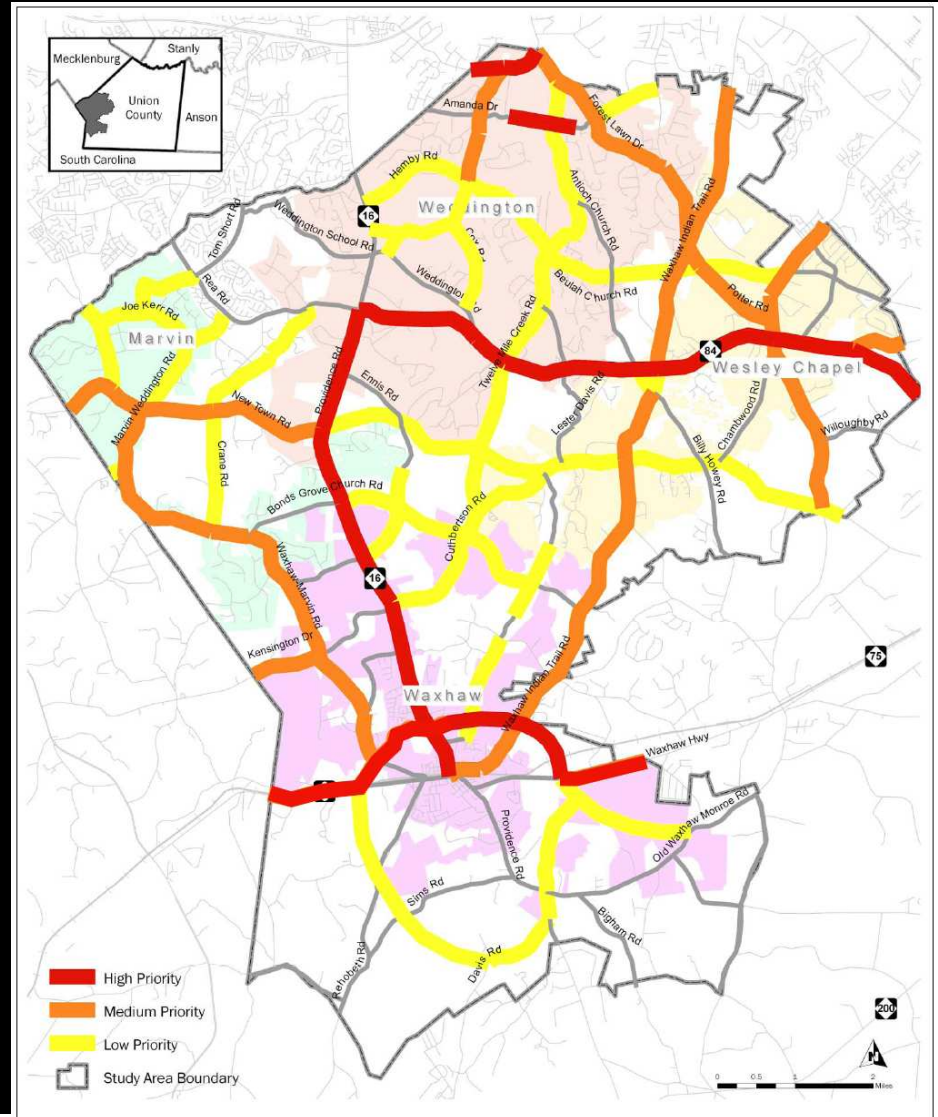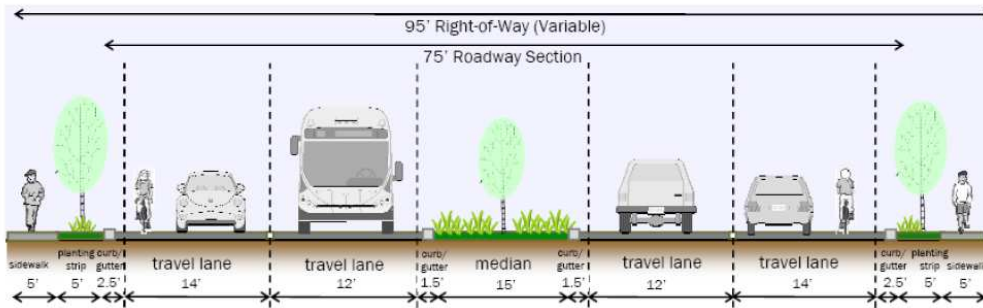
- Tied to funding sources

Figure 20: Thoroughfare Plan Priorities
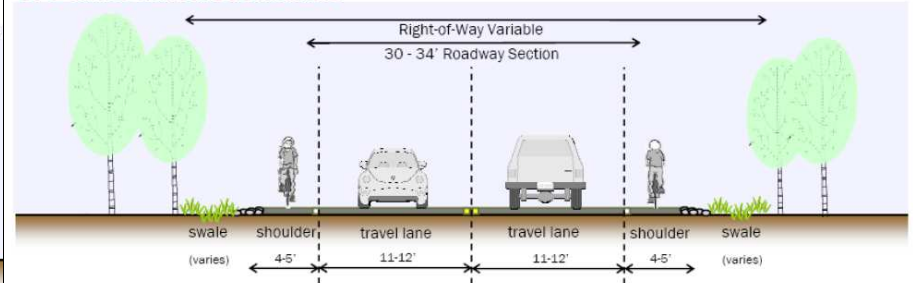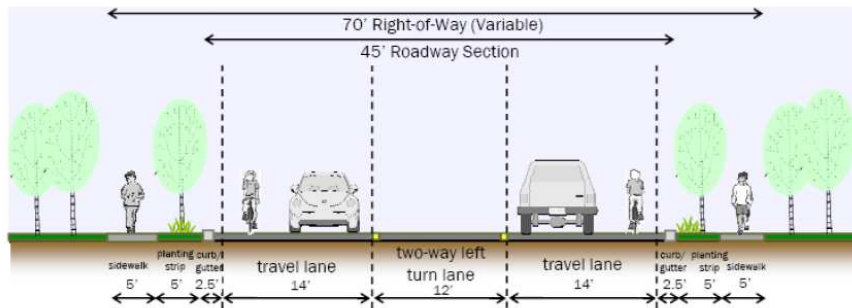Western Union County Local Area Regional Transportation Plan

Street Design

A. 4-Lane Divided with Wide Outside Lanes (Boulevard)

95' Right-of-Way (Variable)
75' Roadway Section

| sidewalk | planting strip | curb/ gutter | travel lane | travel lane | curb/ gutter | median | curb/ gutter | travel lane | travel lane | curb/ gutter | planting strip | sidewalk |
| 5' | 5' | 2.5' | 14' | 12' | 1.5' | 15' | 1.5' | 12' | 14' | 2.5' | 5' | 5' |

B. 3-Lanes with Wide Outside Lanes

70' Right-of-Way (Variable)
45' Roadway Section

| sidewalk | planting strip | curb/ gutter | travel lane | two-way left turn lane | travel lane | curb/ gutter | planting strip | sidewalk |
| 5' | 5' | 2.5' | 14' | 12' | 14' | 2.5' | 5' | 5' |

C. 2-Lanes with Bike Lanes

59' Right-of-Way (Variable)
39' Roadway Section

| sidewalk | planting strip | curb/ gutter | bike lane | travel lane | travel lane | bike lane | curb/ gutter | planting strip | sidewalk |
| 5' | 5' | 2.5' | 5' | 12' | 12' | 5' | 2.5' | 5' | 5' |

D. 2-Lanes with Paved Shoulders

Right-of-Way Variable
30 - 34' Roadway Section

| swale | shoulder | travel lane | travel lane | shoulder | swale |
| (varies) | 4-5' | 11-12' | 11-12' | 4-5' | (varies) |

E. 2-Lanes with Off-street Multi-Use Path

Right-of-Way Variable
30 - 34' Roadway Section
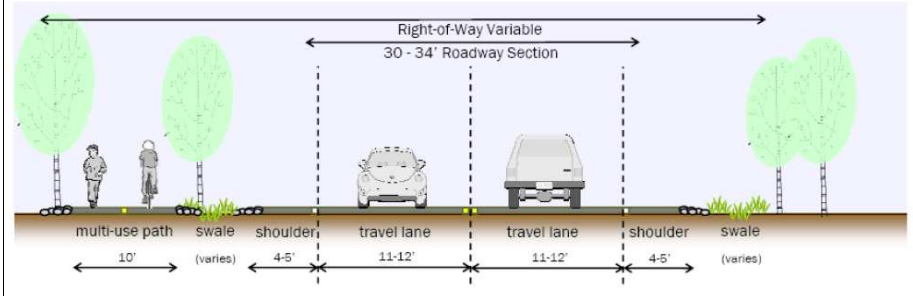
| multi-use path | swale | shoulder | travel lane | travel lane | shoulder | swale |
| 10' | (varies) | 4-5' | 11-12' | 11-12' | 4-5' | (varies) |
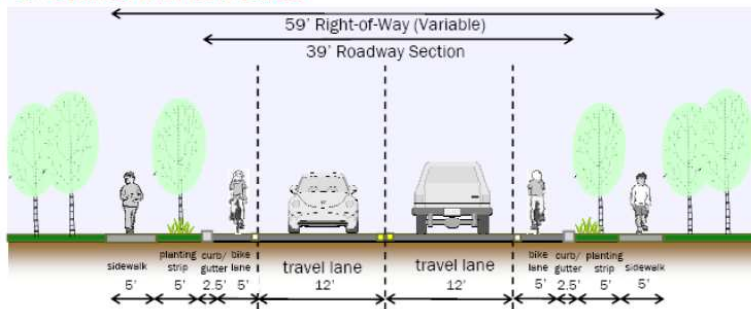
Bicycles and Pedestrians

- Identify opportunities

- Promote recreational, health, and trip reduction benefits

- Focus on greenways, multi-use paths and on-street facilities
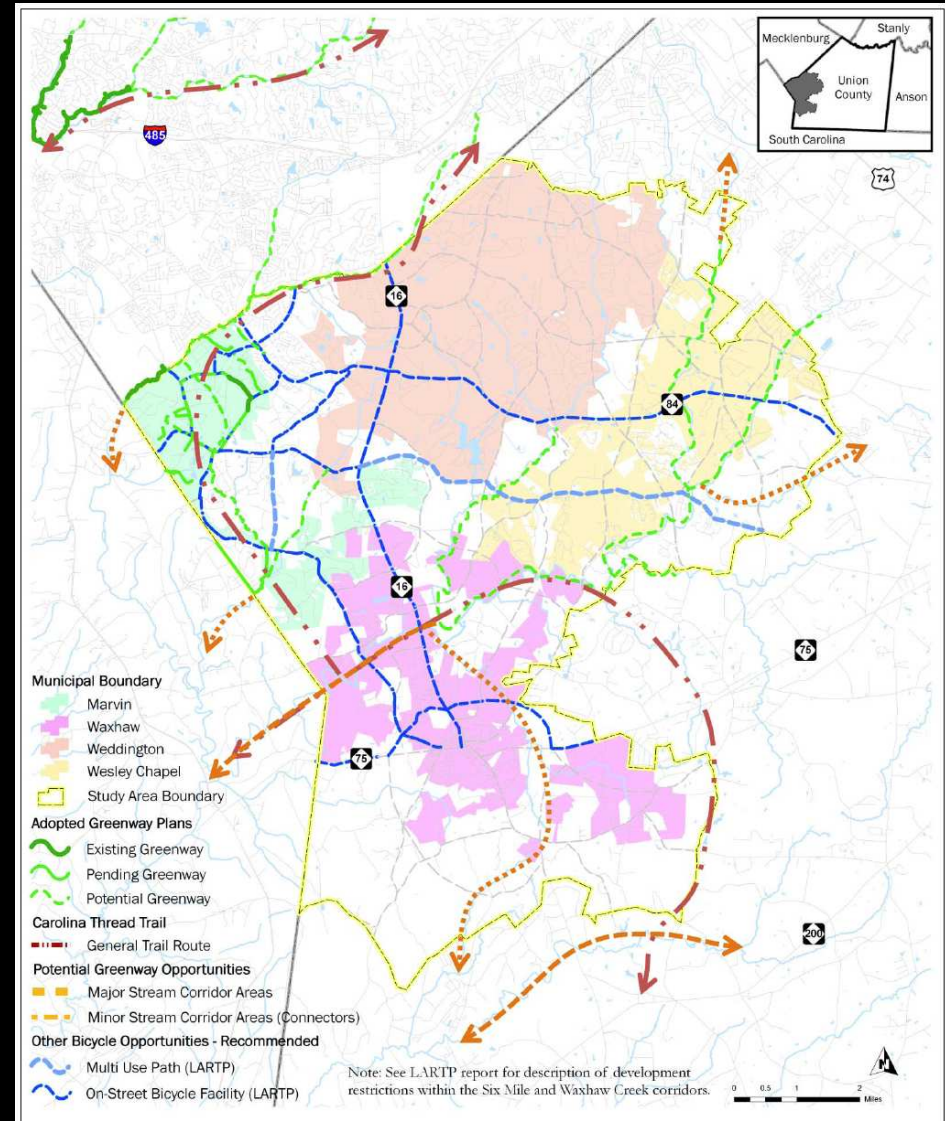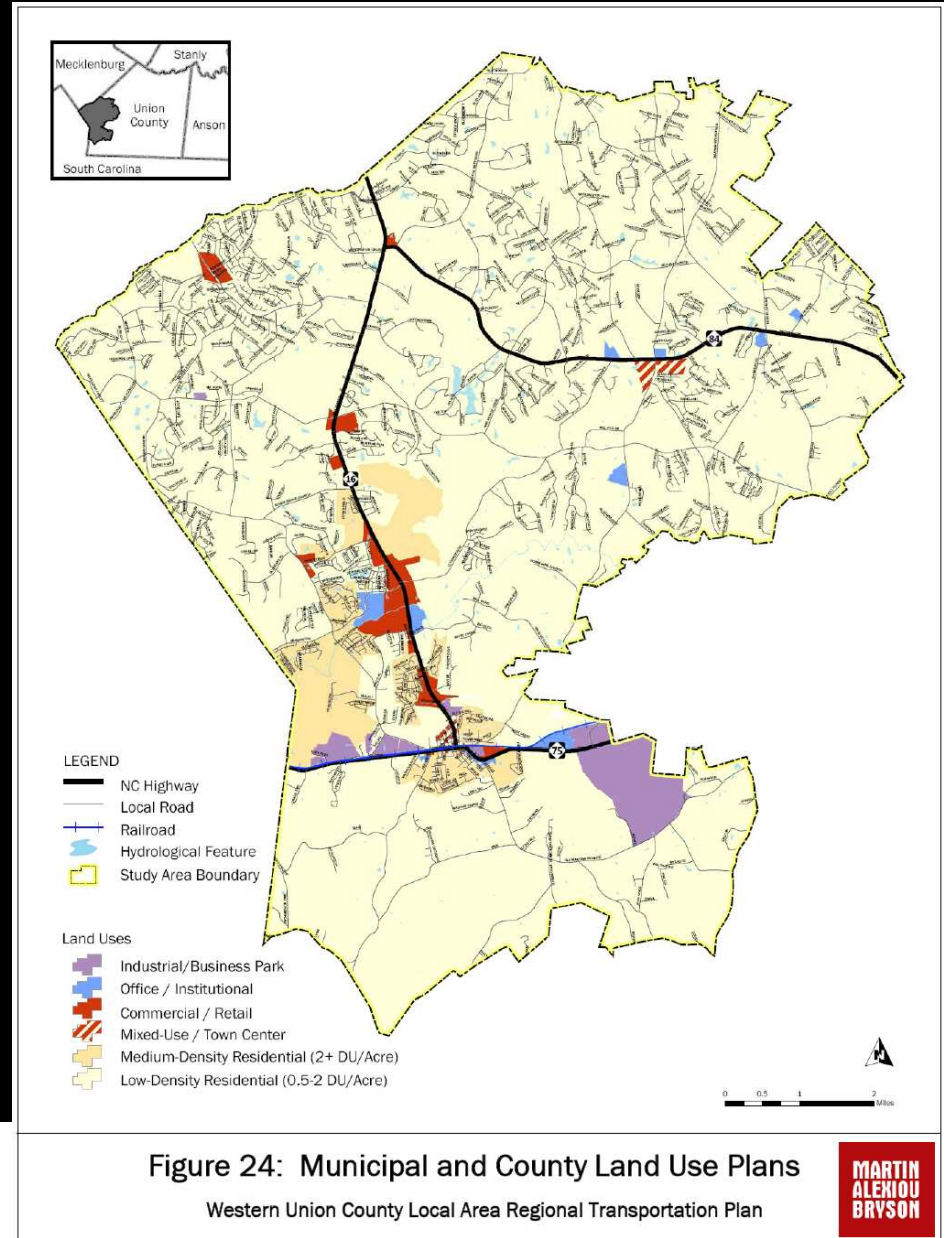

Figure 23: Bicycle and Greenway Opportunities

Western Union County Local Area Regional Transportation Plan

Land Use Connections

- Policy and ordinance recommendations
  - Standardize requirements
  - Maximize benefits from development
  - Proactive planning

Figure 24: Municipal and County Land Use Plans
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LEGEND
- NC Highway
- Local Road
- Railroad
- Hydrological Feature
- Study Area Boundary

Land Uses
- Industrial/Business Park
- Office / Institutional
- Commercial / Retail
- Mixed-Use / Town Center
- Medium-Density Residential (2+ DU/Acre)
- Low-Density Residential (0.5-2 DU/Acre)

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Land Use Recommendations

- Roadway definitions

- Transportation purpose statement

- ROW dedication provisions

- TIA thresholds and processing

- Street cross-sections

- Access management and connectivity

- Bicycle facilities and amenities

- Parking fund payments in-lieu

- Transit-oriented development standards

- Transportation management plan requirements

Implementation

- Local adoption and monitoring
- Tie into MUMPO *Comprehensive Transportation Plan* and *Long Range Transportation Plan*
- Various funding sources
    - Region/MPO
    - Local funds
    - Development community
    - Other sources

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Next Steps...

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