



Citizen Advisory Group

Integrating Land Use and Transportation

Meeting #5

October 7, 2008

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Tonight's Meeting Agenda

- 1. Land Use-Transportation Framework**
- 2. Existing Transportation Conditions**
- 3. Questions**
- 4. Citizen Survey Results**
- 5. Group Discussion: Review Transportation Goals**
- 6. Next Steps**



Draft Vision Statement

The **Catawba River Area** should have a central focus on the river itself and the maximization of its enjoyment for the benefit of the community. Proper integration of all uses within the area shall create a sustainable community for all ages known for its:

- High quality design reflective of the area's river and recreational characteristics;
- Natural resources protected with innovative and environmentally sensitive development practices such as preservation of mature trees, open space and greenways integrated within neighborhoods;
- Enhanced public facilities and services;
- Mixture of housing types and neighborhood-serving land uses;
- Safe and well-connected transportation network that provides options for pedestrians, cyclists, motorists and transit users;
- Viable employment centers integrated in appropriate locations.



- ❖ Amount of Recent Development Inconsistent with Adopted Plan
- ❖ Amount of Growth in Area
- ❖ Impacts of Opening of I-485 Interchanges
- ❖ Transportation Concerns
- ❖ Opportunity to Better Integrate Transportation and Land Use Planning

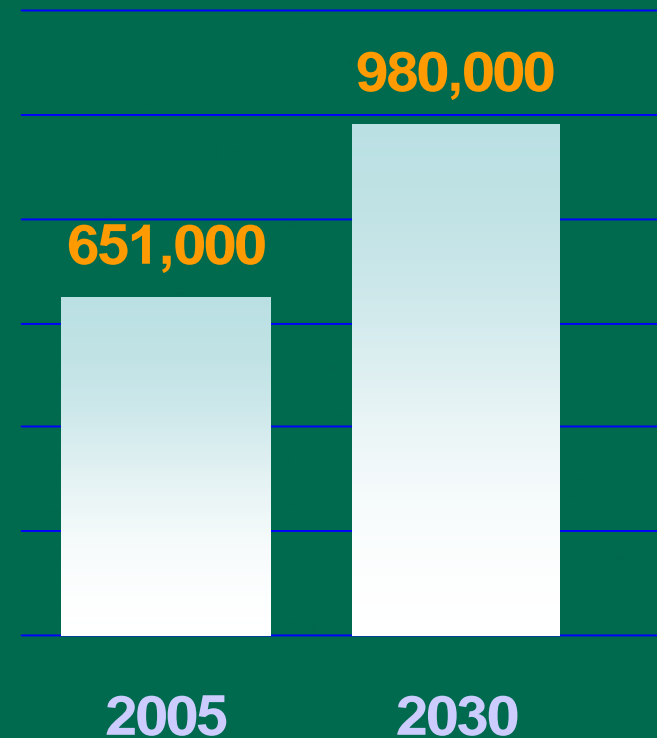




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Projected Growth in Charlotte's Sphere of Influence

- ❑ An additional 330,000 people are expected to reside in Charlotte's "Sphere of Influence" by 2030
- ❑ That number is equivalent to adding the population of St. Louis, Cincinnati or Pittsburgh...



Population and Housing Catawba Area

	<u>2000</u>	<u>2008 (est.)</u>	<u>% Chg.</u>
Population	1,455	3,368	132%
Housing Units	531	1,263	138%

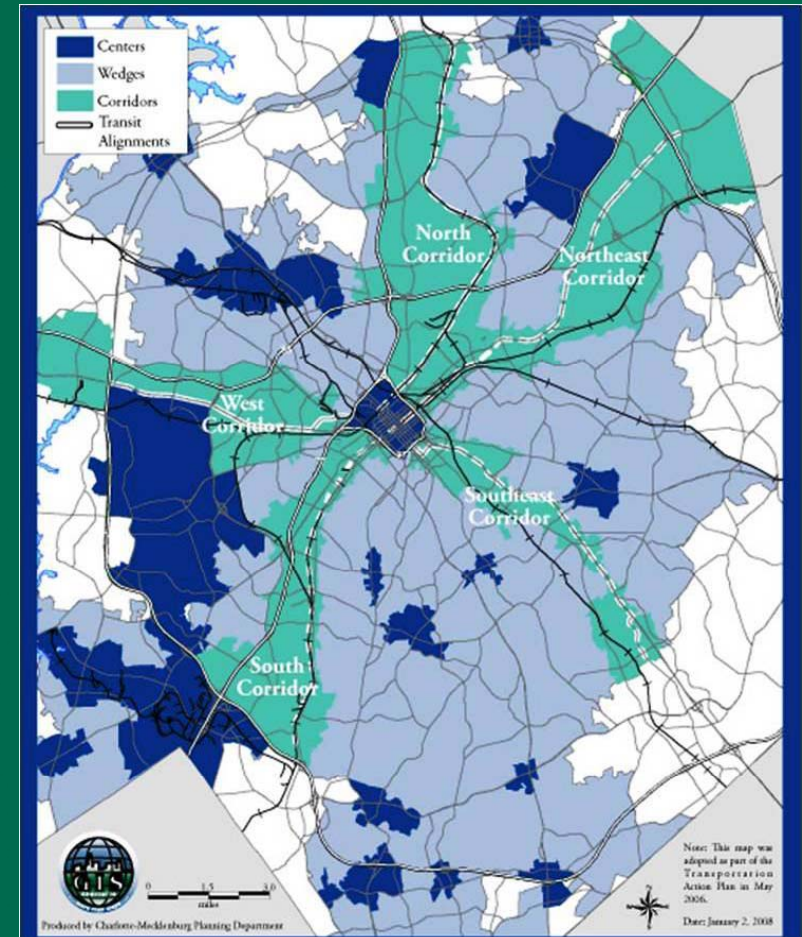




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Centers, Corridors and Wedges Growth Framework

- A concept for organizing and guiding growth
- Adopted by Council in 1994;
- Update underway
 - Strengthen relationship between land use and transportation planning
 - Provide more detailed policies and boundaries for Centers Corridors and Wedges
 - Expand concept for Centers and wedges
 - Determine measures of success





Charlotte will be a city with a variety of choices for living, working and leisure, where sustainable growth improves the quality of life.

Guiding Principles (selected):

- An empowered, informed and engaged citizenry;
- Heightened consideration of the environmental; benefits and impacts;
- A healthy and flourishing tree canopy



The following principles relate to our agenda this evening:

- More places where a variety of activities are accessible; and
- Expanded transportation choices.

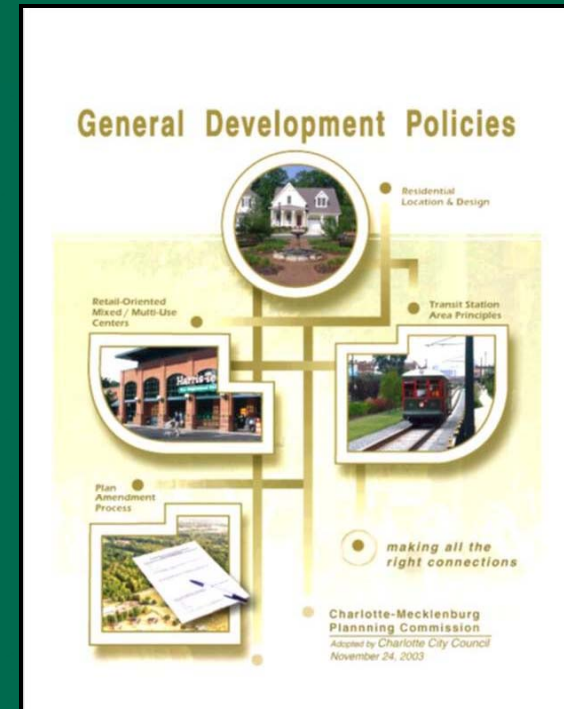




Development Framework

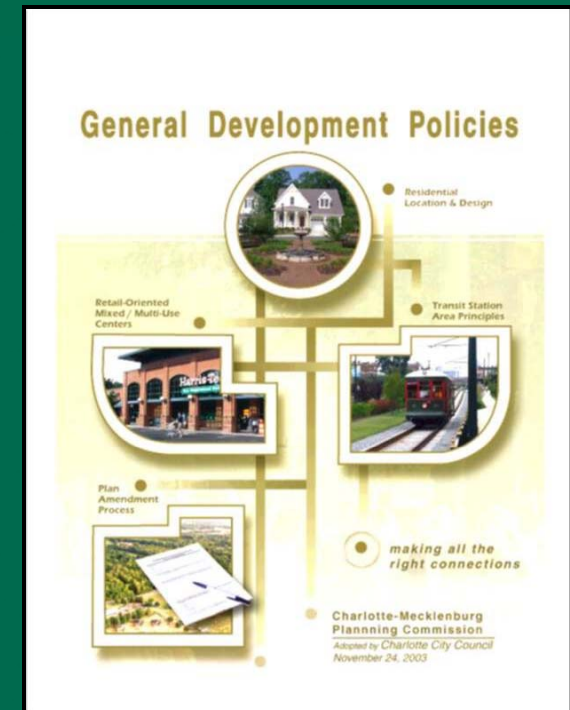
General Development Policies

- Provides guidance for the location, intensity and form of future development and redevelopment.
- Gives direction in developing future land use plans, making rezoning decisions, updating zoning and subdivision ordinances, and for integrating land use planning with capital facilities planning, particularly transportation planning.



GDP Provide Guidance For:

- Evaluating rezoning petitions
- Developing area plans
- Amending ordinances and other regulations
- Identifying future planning initiatives and capital projects





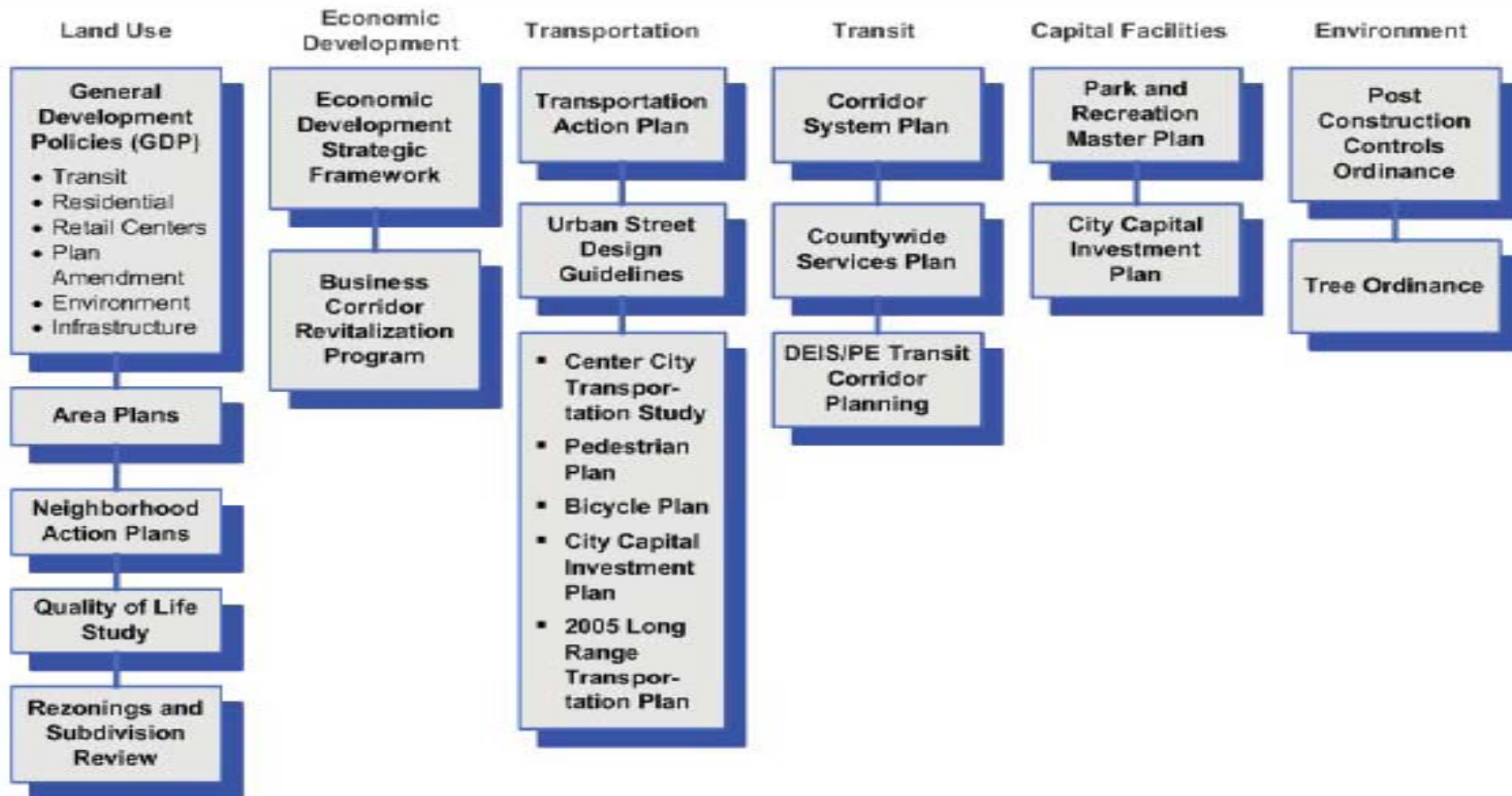
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Development Vision

Charlotte's Development Vision

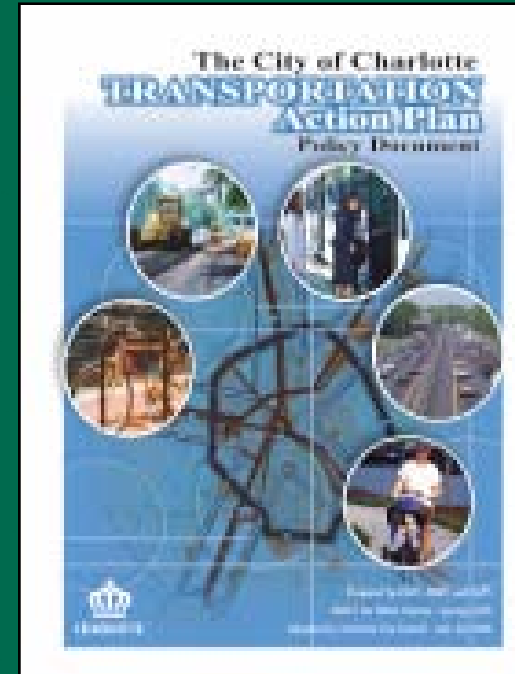
Charlotte will be a city with a variety of choices for living, working and leisure, where sustainable growth improves the quality of life.

Centers, Corridors and Wedges Growth Framework



Transportation Action Plan

- ❖ Adopted in 2006
- ❖ 25-year Plan
- ❖ Roads, Intersections, Sidewalks, Bikeways, and Maintenance
- ❖ Supports CCW
- ❖ \$7 Billion Identified Needs
- ❖ \$6 Billion Shortfall Currently





Transportation Toolbox

- ✓ Implement Centers and Corridors
- ✓ Complete Thoroughfare Plan
- ✓ Build more streets
- ✓ Build more multi-modal connections
- ✓ Improve traffic flow efficiency
- ✓ Upgrade rural roads to City street standards
- ✓ Maintain our system better
- ✓ Create better pedestrian network
- ✓ Create better bicycle network
- ✓ Design and implement streets for all users
- ✓ Enhance quality of life features of transportation projects

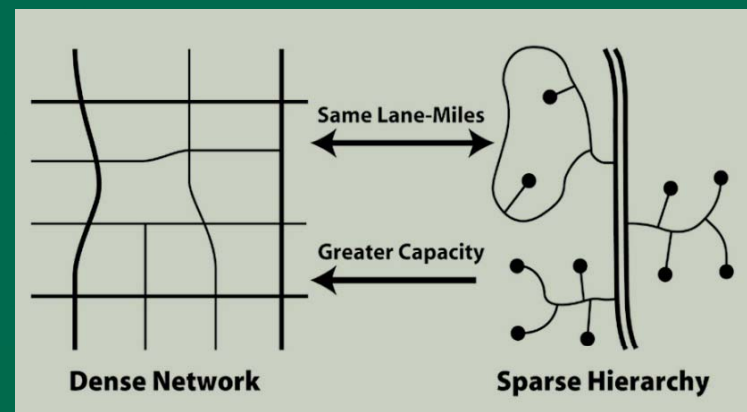
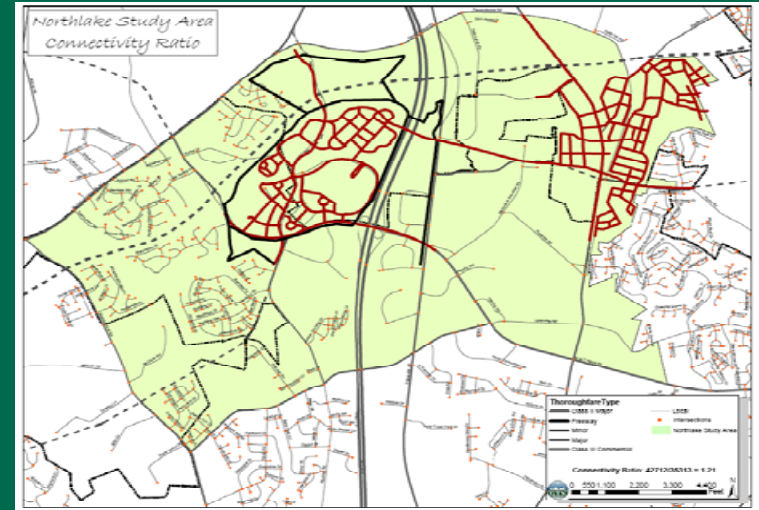
Use a toolbox that will make “Charlotte the premier city in the nation for integrating land use and transportation choices.”



Connectivity

- A network of intersecting streets that works to disperse traffic while linking and integrating neighborhoods with the existing fabric of the community

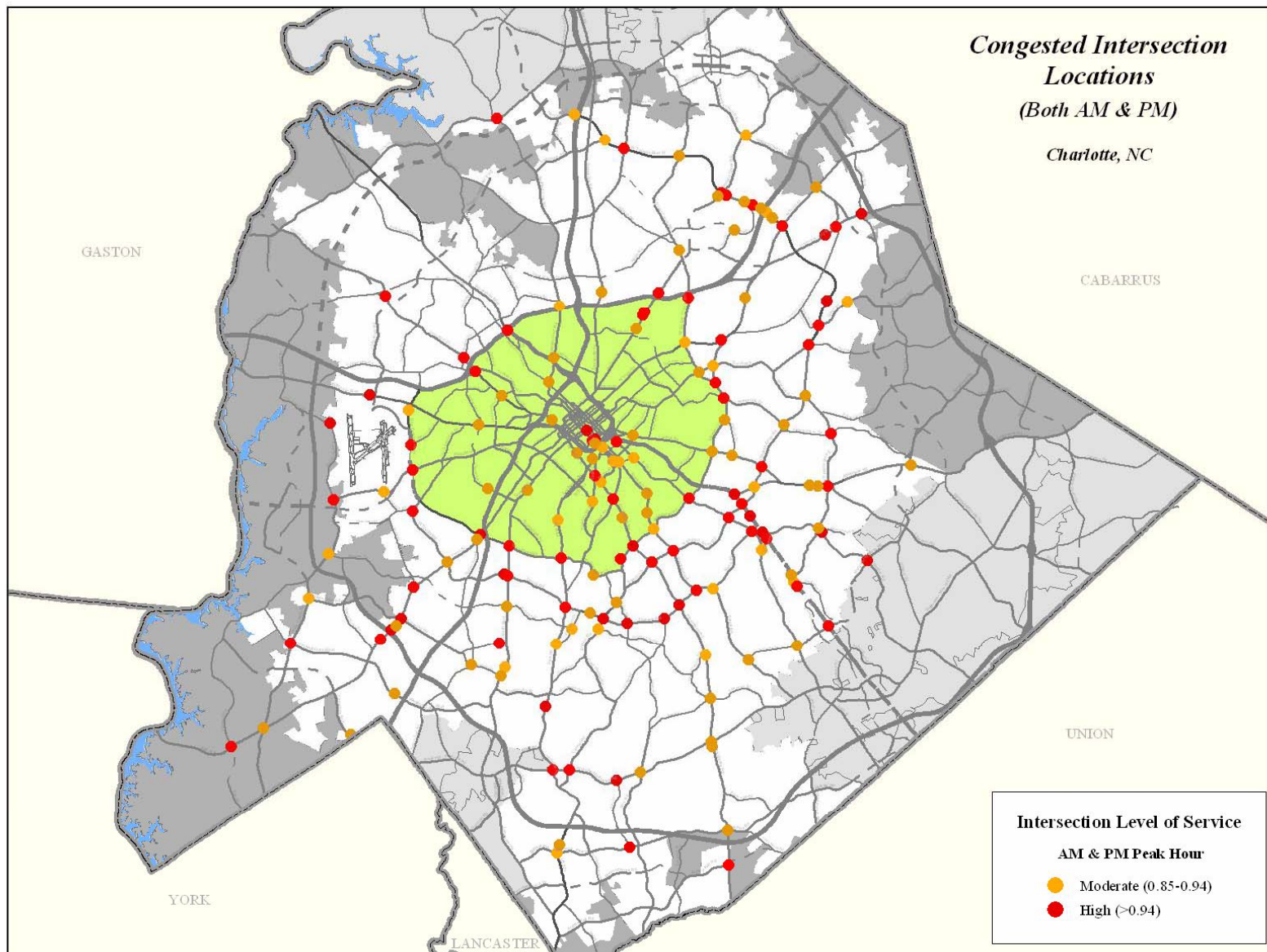
*Connectivity definition
adapted from Town of
Davidson Planning Ordinance*





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System Performance



Design Guidelines

- Streets and intersections that support livability and economic development while creating more travel choices

*Adapted from Urban Streets
Design Guidelines Policy
Summary*

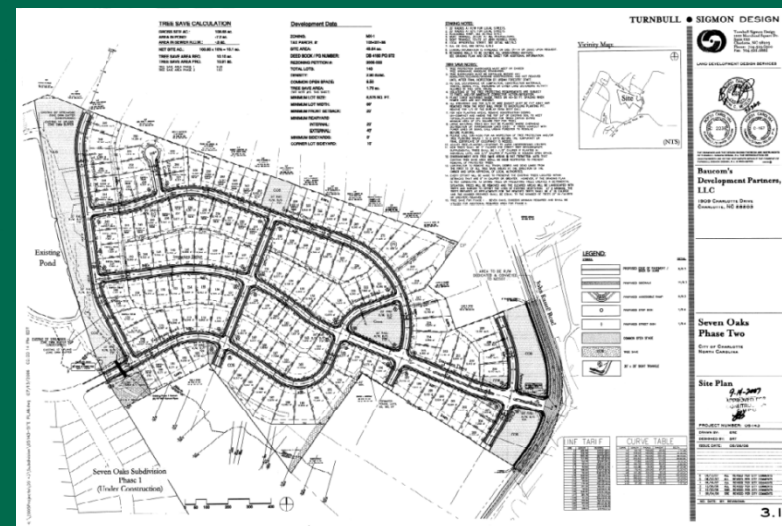




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Urban Street Design Guidelines (USDG)

- ❖ Typical cross-sections responsive to land use and mobility needs
- ❖ “Complete” streets for all users
- ❖ Block-spacing standards
- ❖ Design of public projects
- ❖ Standards for private development



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Complete Streets

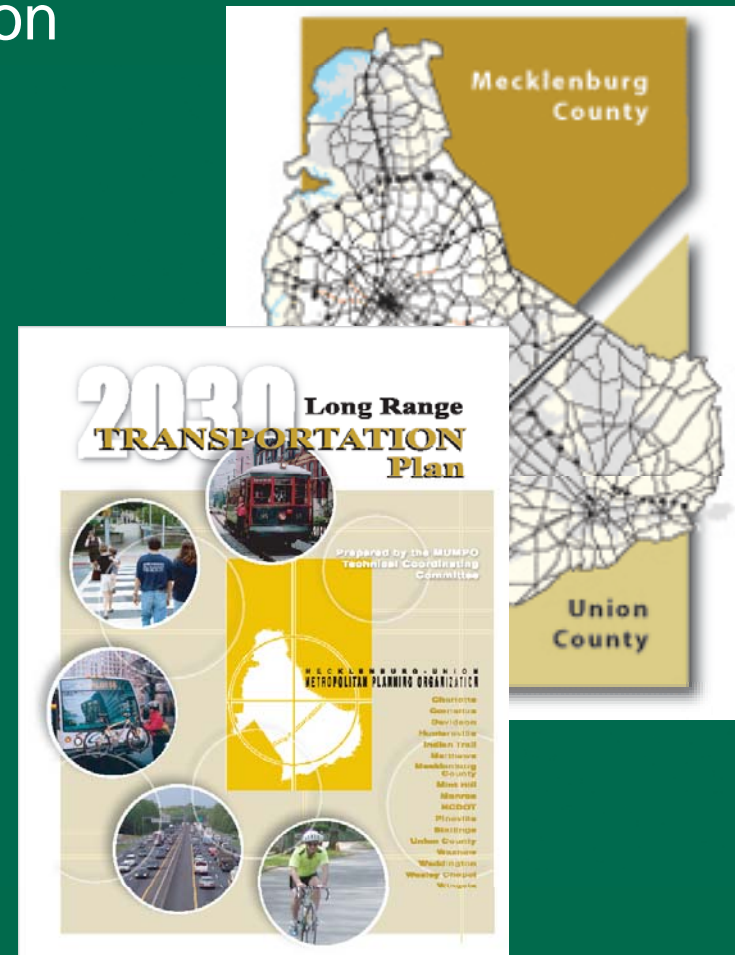
❖ Improvements

- ❖ Turn Lanes
- ❖ Medians
- ❖ Planting Strip
- ❖ Street Trees
- ❖ Street Lights
- ❖ Sidewalks
- ❖ Bike Lanes
- ❖ Curb and Gutter



Long-Range Transportation Plan (LRTP)

- ❖ Multimodal surface transportation
- ❖ Federal mandate
- ❖ Updated every 4 years
- ❖ Financial constraints
- ❖ 20-year horizon
- ❖ Air quality conformity
- ❖ Project prioritization
- ❖ Corresponding TIP
- ❖ \$x Billion Plan

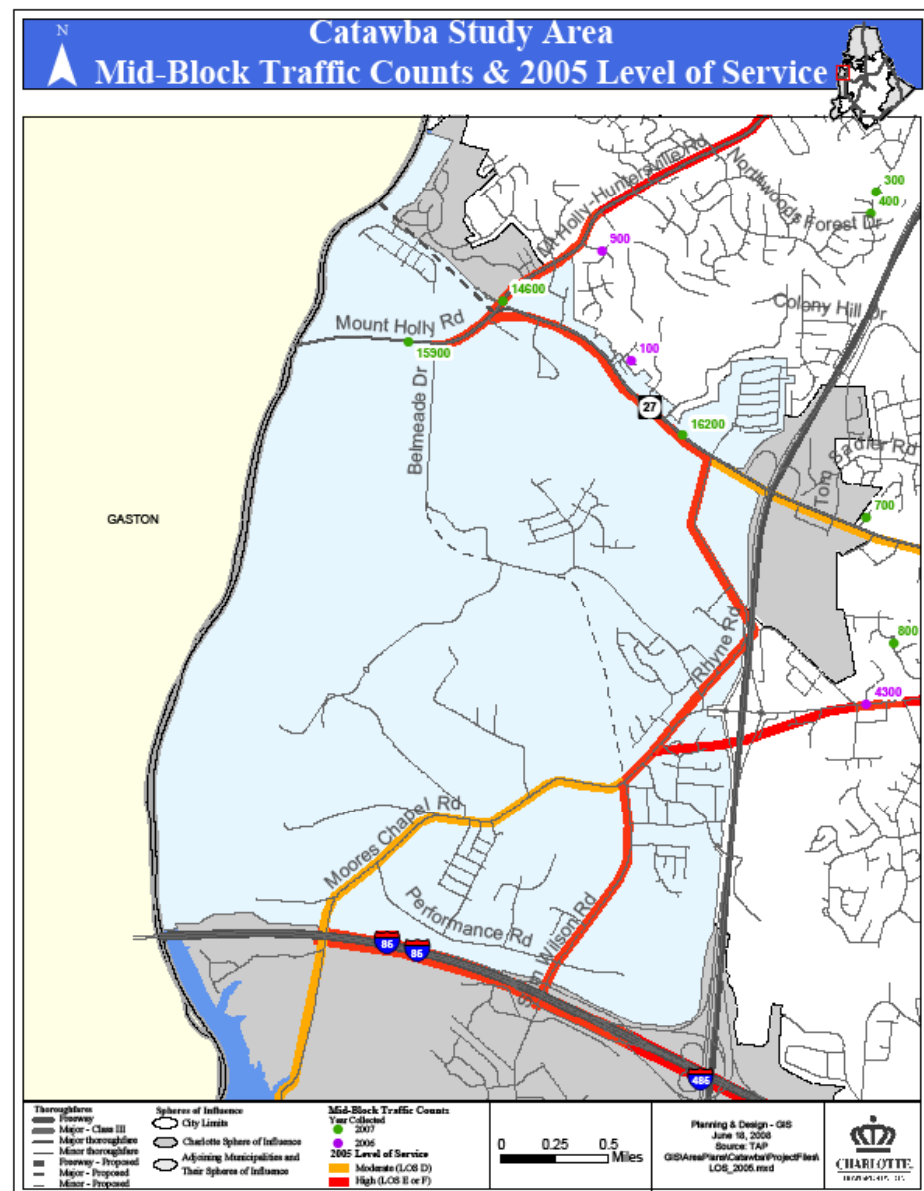




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Existing Conditions

- ❖ Traffic Volumes
- ❖ Levels of Congestion
 - ❖ High congestion at area edges
 - ❖ Low to moderate internally

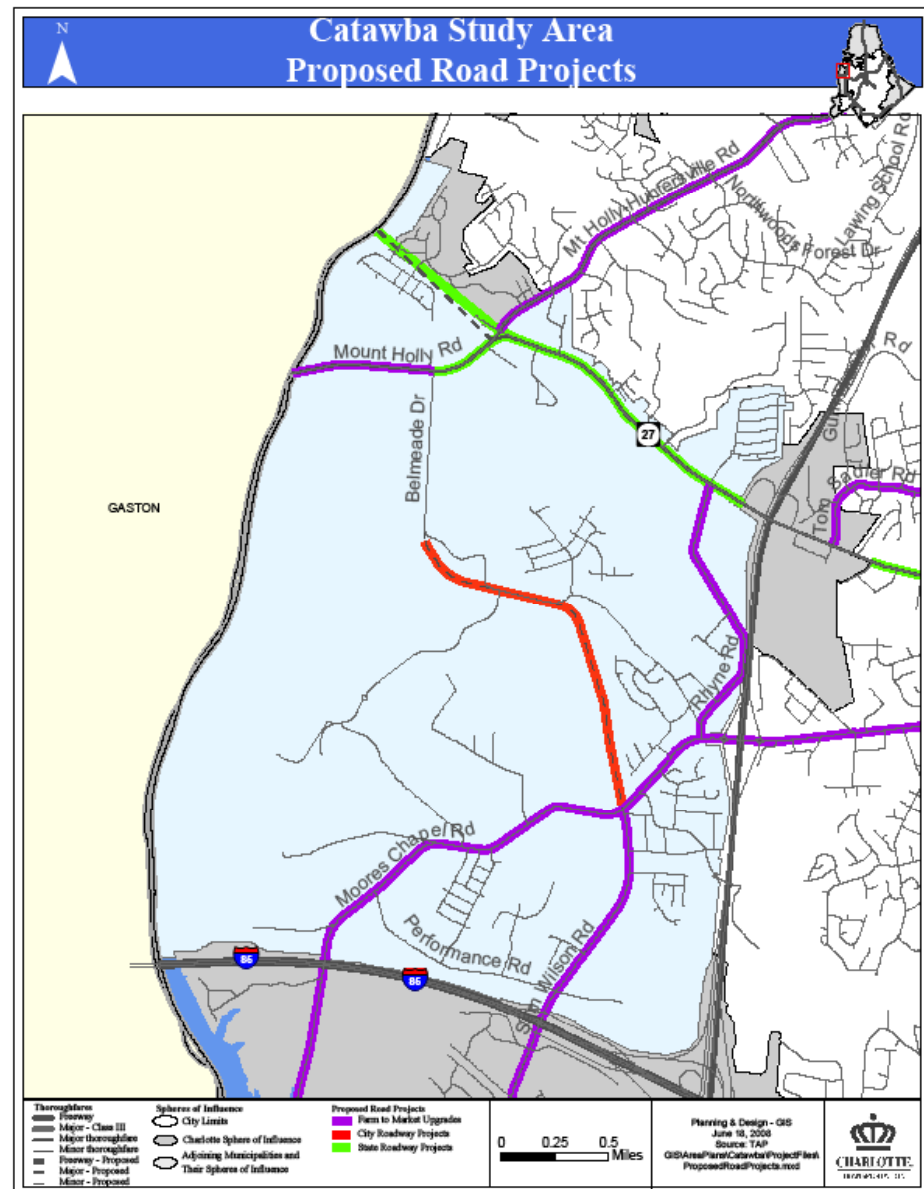




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Planned Improvements

- ❖ NC 27 Widening and Realignment
- ❖ 2021-2030
- ❖ Farm-to-Market Upgrades
 - ❖ Curb and Gutter
 - ❖ Turn Lanes
 - ❖ Sidewalks
 - ❖ Bike Lanes
- ❖ Belmeade Drive
 - ❖ Realignment
 - ❖ Via Development

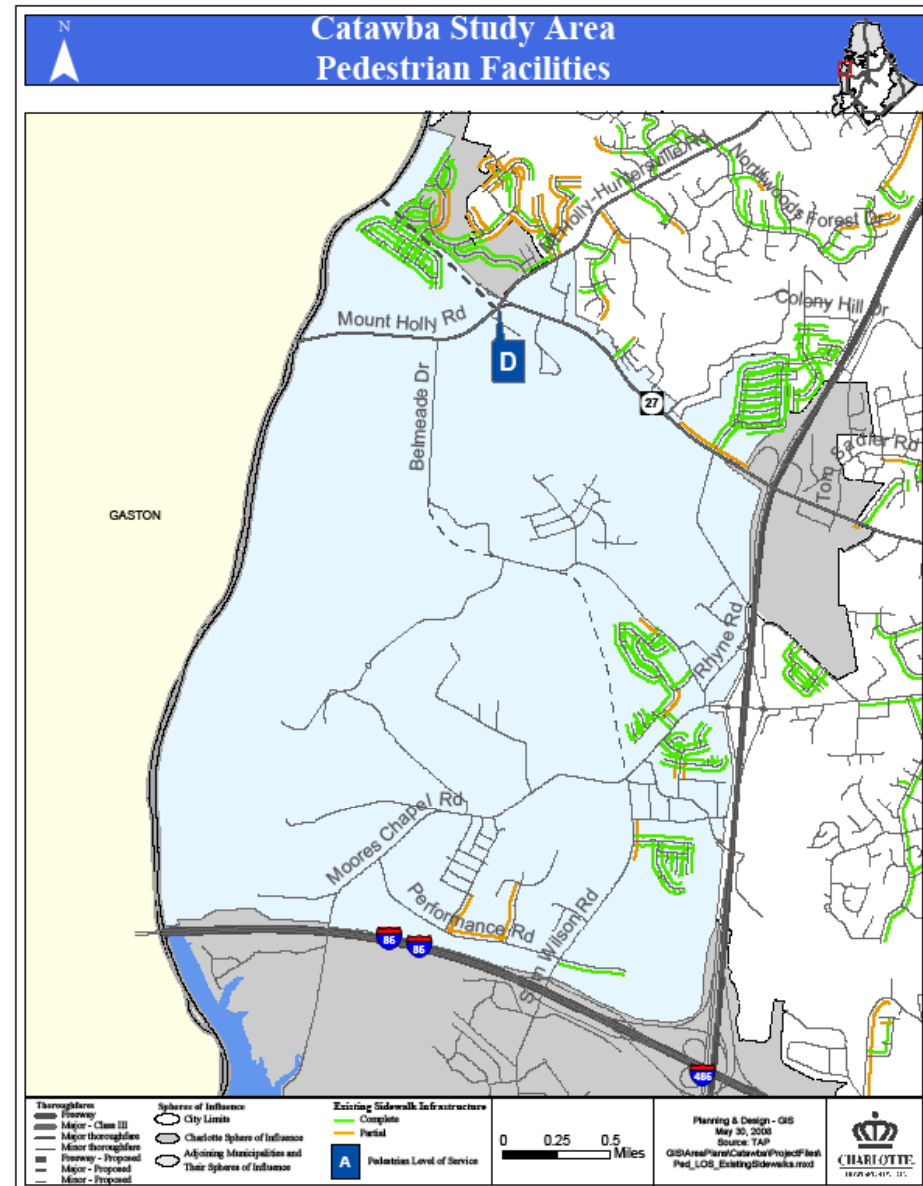




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Sidewalks & Connectivity

- ❖ Sidewalks
 - ❖ Newer developments
 - ❖ Roadway projects
 - ❖ Prioritized gap retrofits
- ❖ Connectivity
 - ❖ Via new development
 - ❖ Local route options
 - ❖ Few collectors





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Questions?



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Key Survey Results



Catawba area plan

Future Directions: A Visual Opinion Survey for the
Catawba River Community

Review and rate the series of images displayed on the screen on a scale of 1 to 5
indicating your preference for similar land uses in the Catawba area.

1

Highly
Undesirable

2

Undesirable

3

Neutral

4

Desirable

5

Highly
Desirable

I. RETAIL

Side 1 (Neighborhood Center)	1	2	3	4	5
Side 2 (Two Story Retail)	1	2	3	4	5
Side 3 (Stand Alone Retail)	1	2	3	4	5
Side 4 (Regional Center)	1	2	3	4	5
Side 5 (Mall)	1	2	3	4	5
Side 6 (Retail Center)	1	2	3	4	5
Side 7 (Two to Three Story building)	1	2	3	4	5
Side 8 (Multi-Story building)	1	2	3	4	5
Side 9 (Restaurants)	1	2	3	4	5
Side 10 (Restaurants)	1	2	3	4	5



Slide 58: Streets



Bike Lane

+ = 55 %
~ = 23 %
- = 21 %

+ Desirable/
Highly
Desirable

~ Neutral

- Undesirable/
Highly
Undesirable

Possible Improvements

Slide 59: Streets



+ = 63 %
~ = 20 %
- = 17 %

+ Desirable/
Highly
Desirable

~ Neutral

- Undesirable/
Highly
Undesirable

Possible Improvements



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Slide 60: Streets



Street
Lights

+ = 76 %
~ = 11 %
- = 13 %

+ Desirable/
Highly
Desirable

~ Neutral

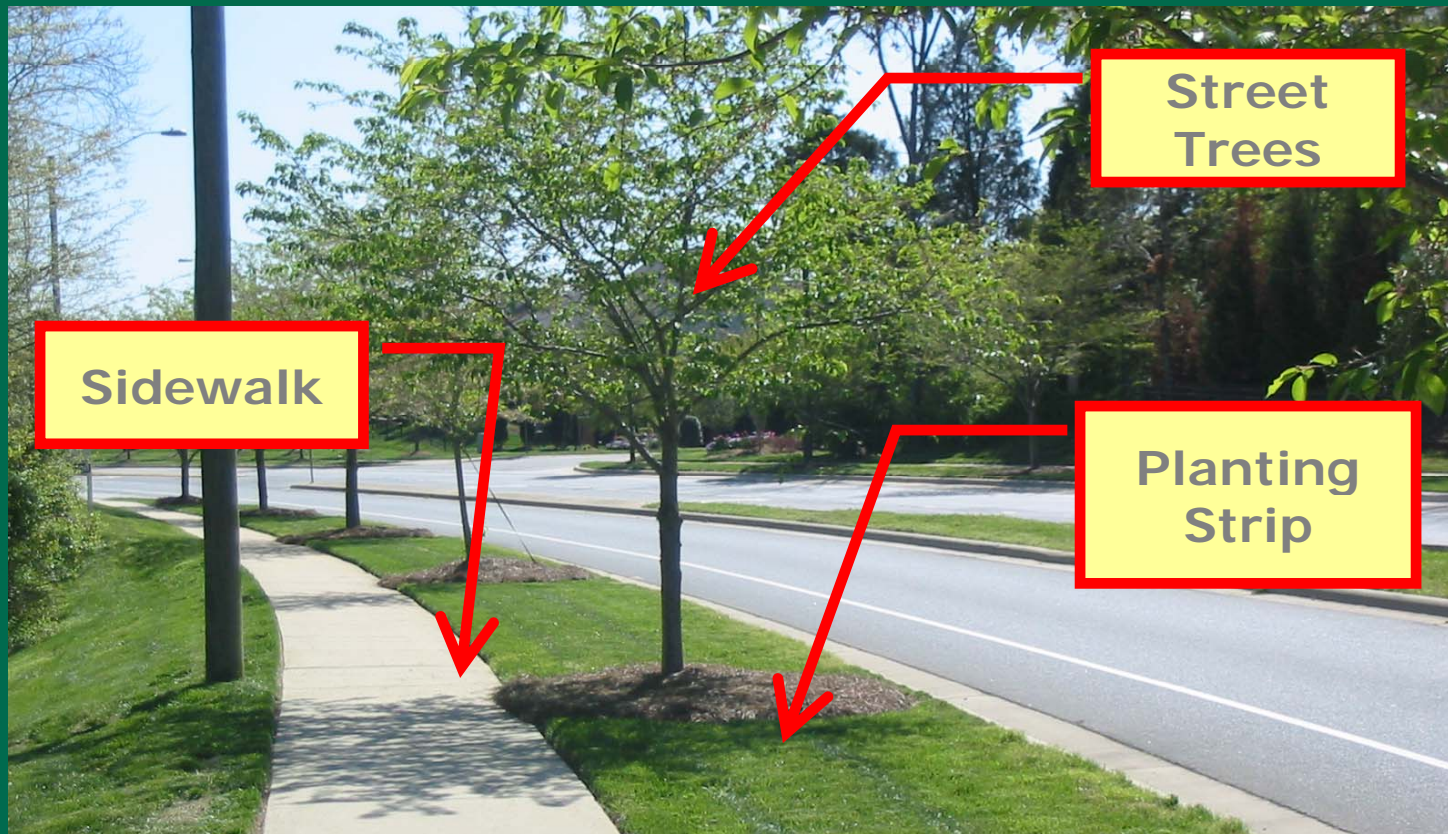
- Undesirable/
Highly
Undesirable

Possible Improvements



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Slide 61: Streets



Street
Trees

Sidewalk

Planting
Strip

+ = 78 %
~ = 10 %
- = 12 %

+ Desirable/
Highly
Desirable

~ Neutral

- Undesirable/
Highly
Undesirable

Possible Improvements



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Slides 62: Streets



Enhanced
Pedestrian
Crossing

+ = 67 %
~ = 15 %
- = 18 %

+ Desirable/
Highly
Desirable

~ Neutral

- Undesirable/
Highly
Undesirable

Possible Improvements

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Slide 63: Streets



Traffic
Circle/
Roundabout

+ = 39 %
~ = 30 %
- = 31 %

+ Desirable/
Highly
Desirable

~ Neutral

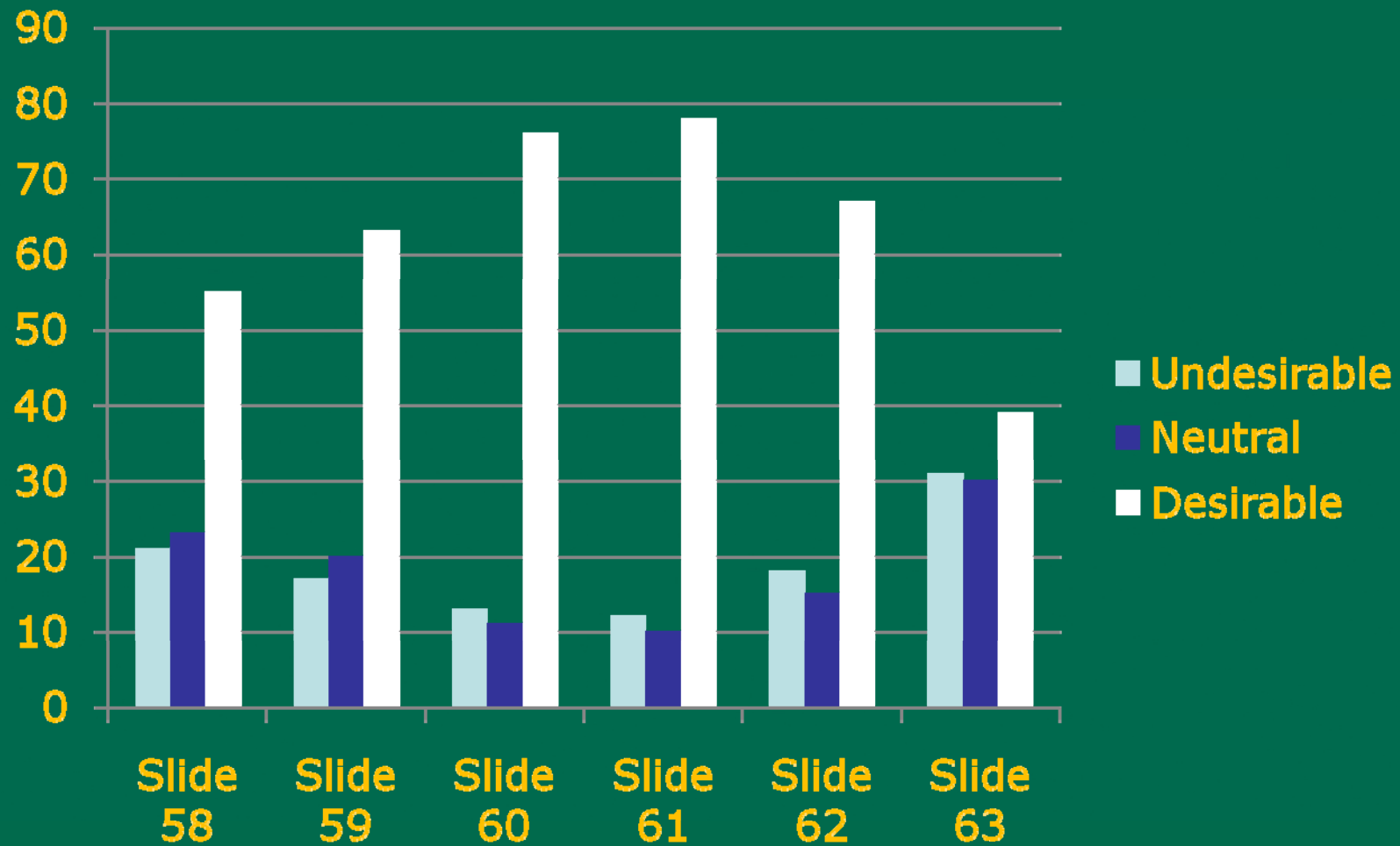
- Undesirable/
Highly
Undesirable

Possible Improvements



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Visual Opinion Survey Results



Survey Summary



Open to all types of improvements





Draft Vision Statement

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Discussion of Transportation Goals

- ❖ Discuss the relationship of transportation goals to:
 - Adopted Policies
 - Initial Public Comments
 - Draft Vision Statement
- ❖ Refine goal statements to address above relationships
- ❖ Questions?

Transportation Issues and Opportunities

Opportunities

- Provide public access to Catawba River.
- Maintain easy access to Center City and Interstates.
- Improve road conditions, including repairs and street lights.
 - Complete I-485 around Charlotte
 - Establish transit service.

Issues

- Address traffic congestion
 - Mitigate cut-through traffic and speeding
- Resolve access to US National Whitewater Center

- ❖ Strengthen the relationship between land use and transportation.
- ❖ Improve connectivity to major land uses (such as parks, schools, employment centers) within the plan area.
- ❖ Encourage mixed-use developments or appropriately locate land uses to reduce trips and shorten trip distances.
- ❖ Provide an accessible, safe and efficient street network .
- ❖ Support multiple travel choices for pedestrians, cyclists, drivers and transit users.



Wrap Up and Next Steps

Next meeting:
Thursday, October 23,
2008
6 pm
Topic: Land Use/Market
Trends



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Thank You!

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