





Greensboro MPO Bicycle, Pedestrian and Greenways Master Plan Update

NCAMPO Conference, Greensboro, NC May 12, 2016



Presentation Structure

Introduction to the Plan

Process of Developing the Plan:

- Review the 2006 plan recommendations and accomplishments
- Technical review and coordination with internal staff
- Public involvement through meetings, BiPed Committee, etc.

Innovative Methodology:

- GIS modeling for pedestrian & greenway infrastructure to determine priorities
- Quantitative and qualitative factors

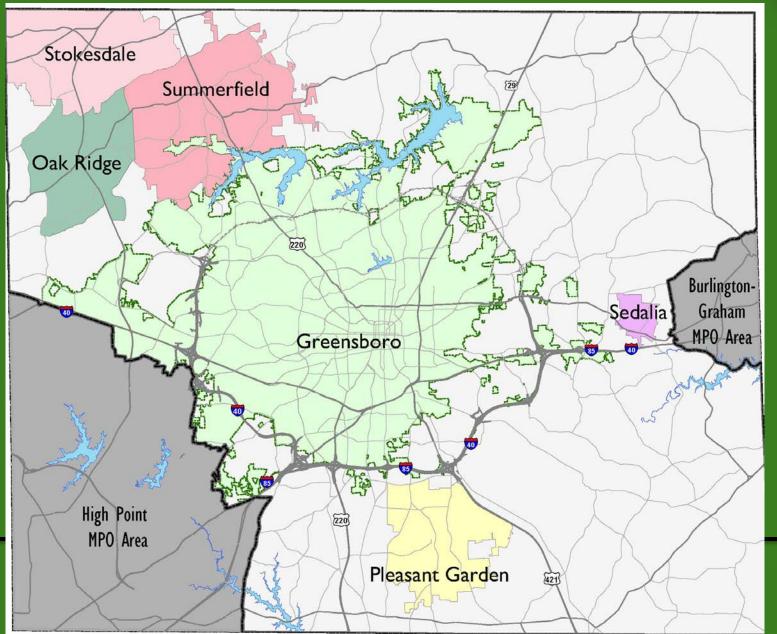
Implementation Strategy:

- Goals for sidewalks, bike lanes, and greenways
- Analysis supports funding for key projects
- Supporting policies and programs

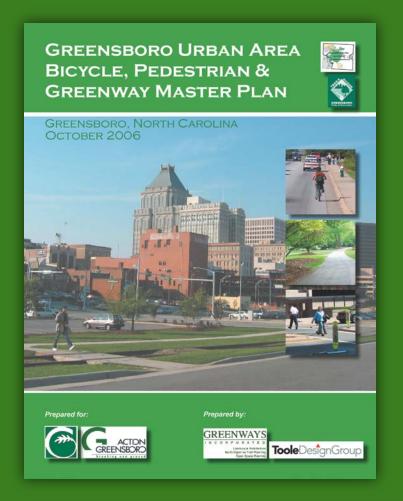


Greensboro MPO





BiPed Background



Goals and Objectives of BiPed

Connectivity

Health and Wellness

Safety

Alternative Transportation

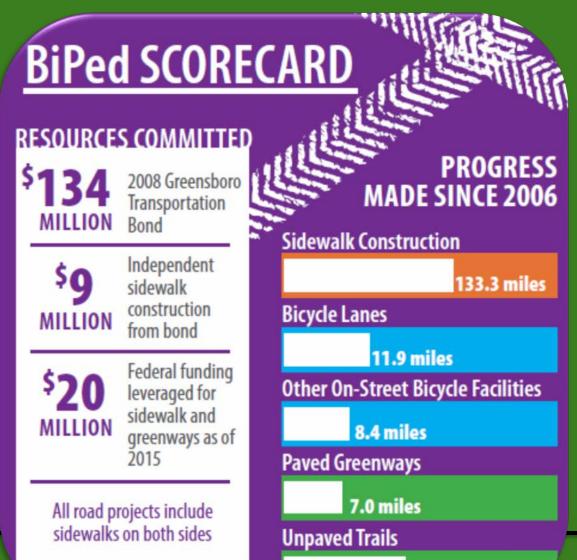
Enhance the Environment

Economic Development

Growth Management



BiPed Accomplishments



16.0 miles

Sidewalks – outside City of Greensboro: 36.3 miles





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BiPed Plan Highlights

Main Components of the plan:

- Reviews improvements since 2006
- Inventories existing facilities
- Identifies improvement needs & priorities
- Guides future innovations in infrastructure, safety, programs, and policies



Structure of the plan:

- Introductory chapter
- Three modal chapters
- Each chapter has similar organization





Development Process

Technical Staff Review & Coordination:

- Started in 2013; plan completed in house by MPO staff in cooperation with member agencies
- Reworked bicycle, pedestrian, greenway, and trail project recommendations
- BiPed Update Advisory Committee for agency & public input





Development Process

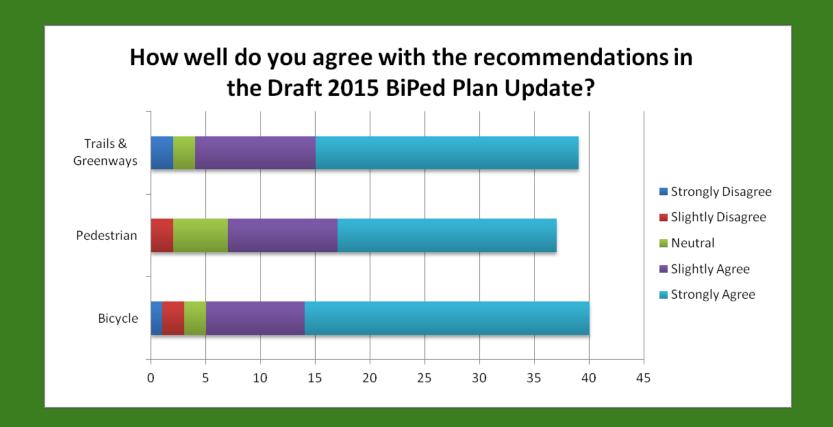
Public Involvement:

- Included surveys, BiPed Update
 Advisory Committee, public meetings,
 and public review period
- Comments gathered through online survey & distributed through partner organizations
- 50+ comments on the plan



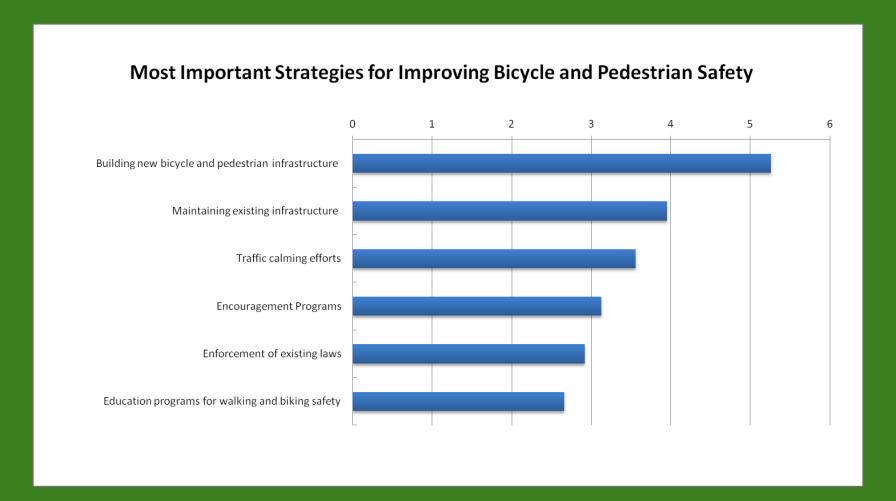


Results from Public Comments





Results from Public Comments





Innovative Methodology for Prioritizing and Recommendations

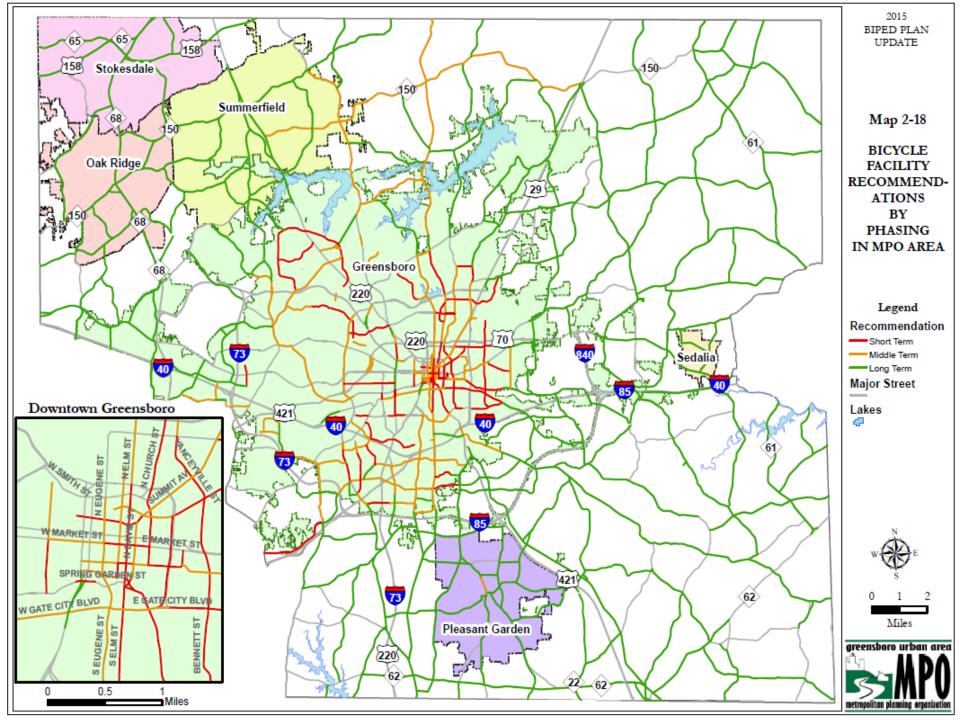


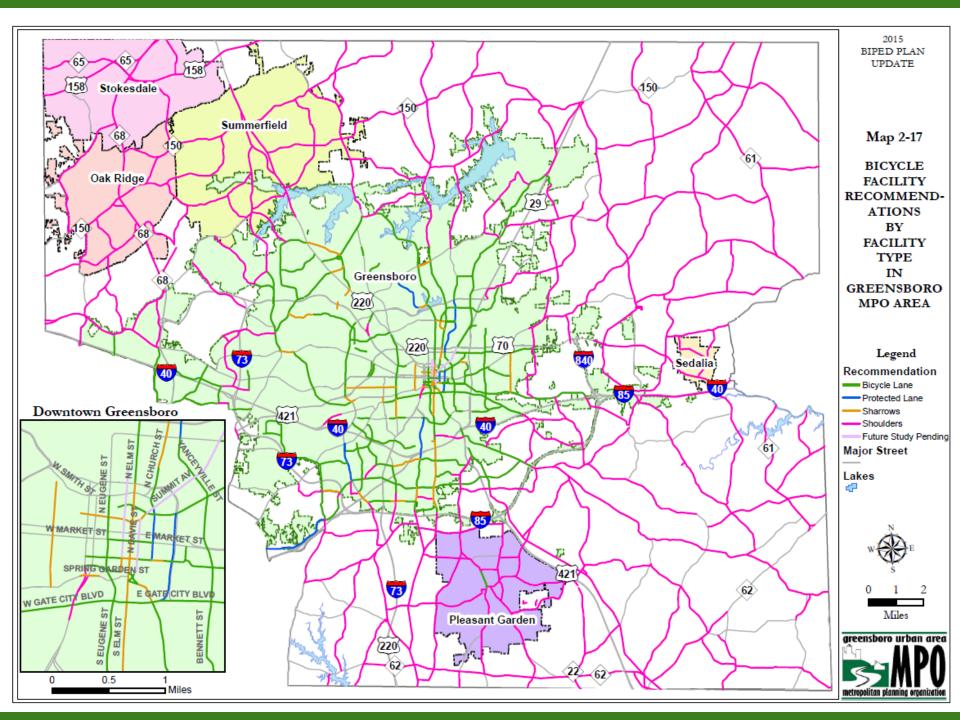


Criteria for recommendations:

- 2006 BiPed Plan
- •The Bicycle Safety Analysis
- •BLOS
- •BPAC and public inputs
- •Major roads with existing overcapacity and additional width
- •LRTP
- •NACTO Urban Bikeway Design Guide
- •BiPed Plan adopted by MPO Towns
- Connectivity
- Discussion with GDOT staff

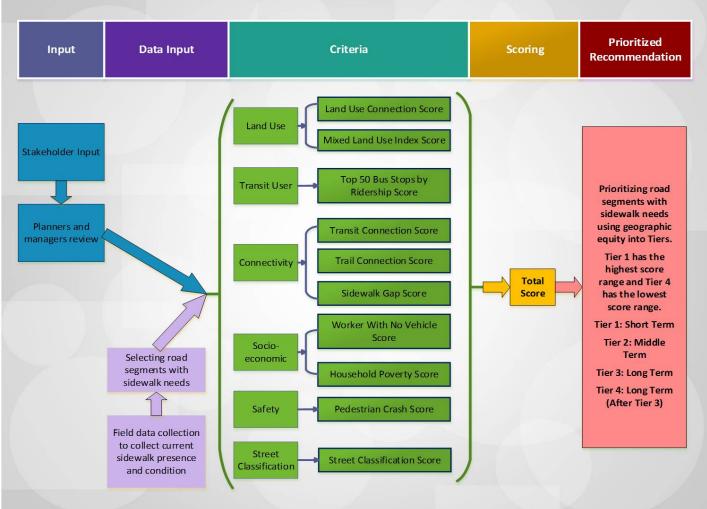




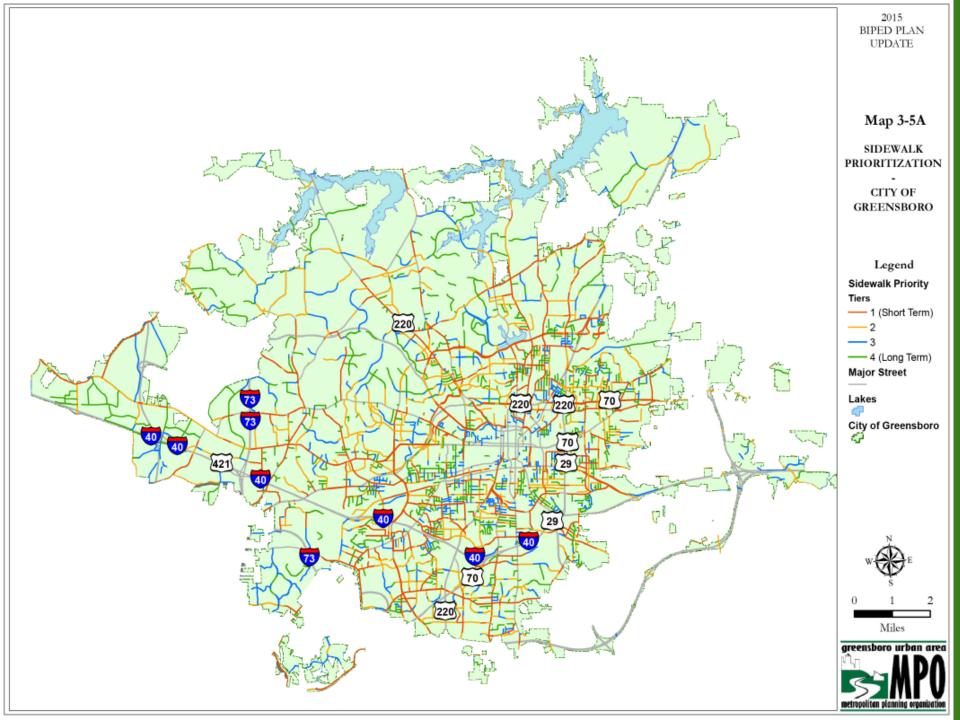




3 Pedestrian

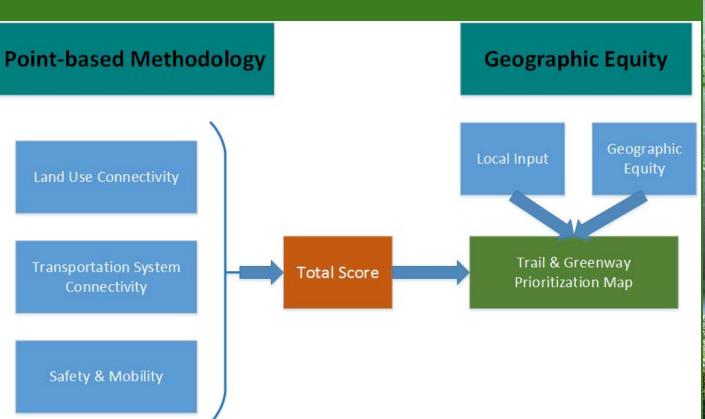




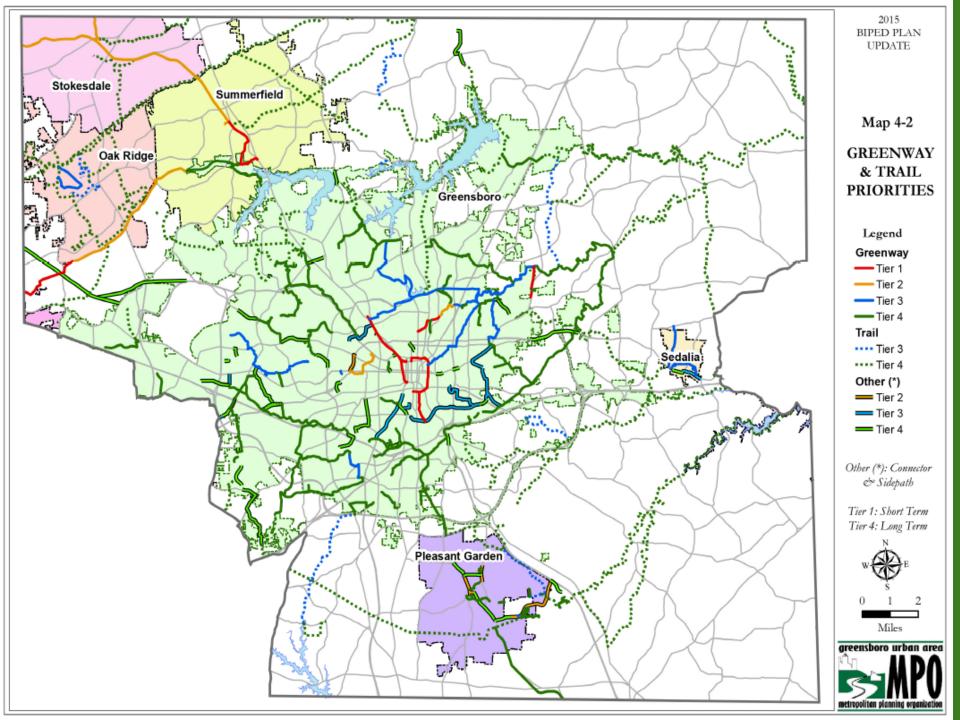




Trails and Greenways







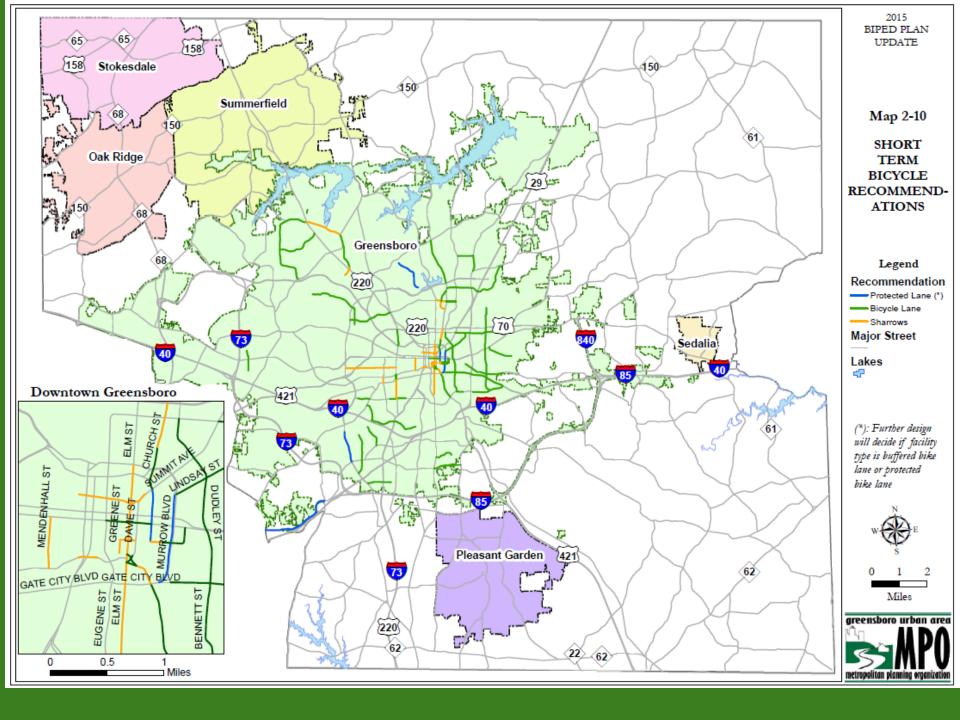
Implementation Strategy





New facilities proposed in 2015 BiPed Plan Update – Short term (5 years)

	Bicycle	Protected	Sharrows	Bicycle Parking
	Lanes	Bicycle Lanes		Locations
Centerline miles	42.5	6.3	9.2	100 racks
Bike-lane miles	84.3	12.6	18.4	

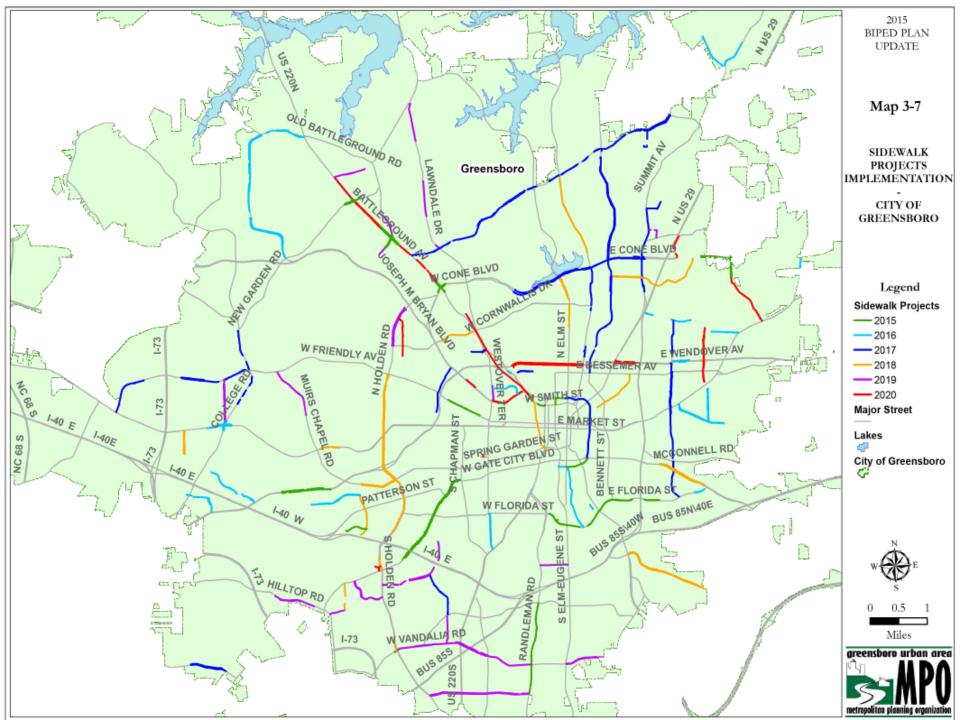






Sidewalk Projects and Status Since 2006 (City of Greensboro only, by governmental agencies; data updated in November 2014)

Status	Length (miles)		
Complete	45.68		
Under Construction / Contract Payment	6.74		
Design Complete	10.05		
Under Design / Working	54.19		
On Contract	5.89		
TOTAL	122.55		

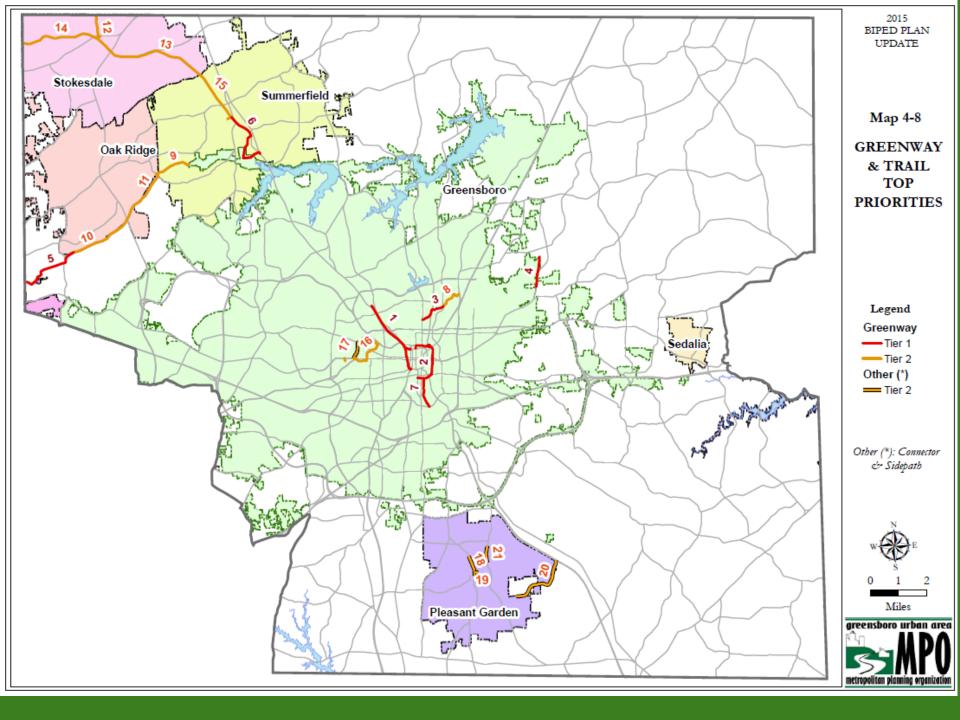




Trails and Greenways

Recommended Greenway and Trail Facilities Inside and Outside the City of Greensboro

Tier	Inside (miles)	Outside	Total	% Inside	% Outside
		(miles)	(miles)		
1	8.4	5.0	13.35	63%	37%
2	3.1	19.7	22.81	14%	86%
3	35.1	36.2	71.38	49%	51%
4	143.3	210.3	353.59	41%	59%
Total	189.9	271.2	461.14	41%	59%



Implementation Funding Sources

Local funds:

- \$9 million sidewalk construction bonds from 2008
- Draft 2016-2017 city budget has \$3.5 million additional for resurfacing (more than doubling current budget)
- Potential \$100+ million 2016 transportation bond

Regional/MPO Federal Sources:

- STP-DA, CMAQ, TAP
- \$20 million leveraged from local matching funds

State Prioritization Process:

- Supplements local funding sources
- Bike/ped projects six out of top ten ranked Division 7 projects: sidewalks & greenway projects



Thank You

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