SOUTH CAROLINA
Multimodal Transportation Plan

Public Transportation and Bicycle & Pedestrian Stakeholder Webinar
April 11, 2013
1:30 PM
Public Transportation and Bicycle & Pedestrian Webinar

April 11, 2013 – 1:30 PM
MULTIMODAL TRANSPORTATION PLAN
Update

• Vision, Goals, Objectives, and Performance Measures
• Existing Modal Conditions
• Finance and Revenue
• Needs Assessment
• Modal Scenarios
• Deliverables
  – Existing Plans
  – Vision and Goals
  – Existing Conditions
Development of Vision, Goals, Objectives & Measures

• **Workshop 1**
  – Executive Team discussion of mid and long term issues that should inform Multimodal Plan vision, goals and objectives

• **Workshop 2**
  – Executive Team Review and approval of Multimodal Plan vision
  – Discussion of draft goals and objectives

• **Working Meeting 1**
  – Senior management/technical staff in-depth review of proposed objectives and performance measures

• **Workshop 3**
  – Executive Team review of draft objectives and performance measures
Development of Objectives & Performance Measures

• **Sources for objectives and measures**
  - Existing plans
  - Discussions with Executive Team
  - Meetings with SCDOT staff
  - Informed by MAP-21 discussions to date

• **Performance measure development criteria**
  - Support strategic objectives
  - Use measures that provide predicative, diagnostic and reporting value
  - Work within the available data and existing measures whenever possible
  - Keep it simple - don’t over measure
  - Focus on what SCDOT can control and measure
  - Build on SCDOT staff input and direction
  - Maintain some flexibility
Multimodal Plan Vision

Safe, reliable surface transportation and infrastructure that effectively supports a healthy economy for South Carolina.
<table>
<thead>
<tr>
<th>Goals</th>
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</thead>
<tbody>
<tr>
<td><strong>Mobility and System Reliability</strong> – Provide surface transportation infrastructure and services that advance the efficient and reliable movement of people and goods throughout the state.</td>
</tr>
<tr>
<td><strong>Safety</strong> – Improve the safety and security of the transportation system by implementing transportation improvements that reduce fatalities and serious injuries as well as enabling effective emergency management operations.</td>
</tr>
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<td><strong>Infrastructure Condition</strong> – Maintain surface transportation infrastructure assets in a state of good repair.</td>
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<tr>
<td><strong>Economic and Community Vitality</strong> – Provide an efficient and effective interconnected transportation system that is coordinated with state and local planning efforts to support thriving communities and South Carolina’s economic competitiveness in global markets.</td>
</tr>
<tr>
<td><strong>Environment</strong> – Partner to sustain South Carolina’s natural and cultural resources by minimizing and mitigating the impacts of state transportation improvements.</td>
</tr>
<tr>
<td><strong>Equity</strong> – Manage a transportation system that recognizes the diversity of the state and strives to accommodate the mobility needs of all of South Carolina’s citizens.</td>
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</tbody>
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Next Steps

• Receive comments from stakeholders
• Summarize input
• Revise goals, objectives and performance measures as appropriate
QUESTIONS & ANSWERS
PUBLIC TRANSPORTATION
Big Picture

• “Blueprint for the Future”

• Develop statewide short & long – range plans

• Updating Regional transit & coordination plans

• Multimodal options/partnerships
Public Transportation Overview

Transit Tasks

- Update 10 Regional Transit Plans
- Update Statewide Public Transportation Plan, including Human Services Transportation Coordination
- Prepare Transit Section of the SC MTP
What have we completed?

- **10 Regional Transit Plans**
  - Review of Existing Plans
  - Existing transit agency statistics
  - Identified Preliminary Needs

- **SC Multimodal Transportation Plan**
  - Data from 10 Regional Plans feeds into the MTP
What have we completed?

• **Statewide Public Transportation Plan**
  – Existing data and future needs from 10 Regional Plans feeds into the MTP
  – Worked through 10 COG Regions to identify
    • **State of Coordination**
    • **Needs/Barriers**
    • **Strategies for Improvement**
Public Transportation Outreach

- Kick-off Meeting – June 2012
- SC Interagency Transportation Coordination Council Meeting – September 2012
- Transit Agency outreach – December 2012 via email
- SC Council of Government Executive Directors Meeting – January 2013
- SC Councils of Government Transit Planner Workshop – February 2013
  - SC Council of Government Transit Planner – Conference Call –
  - February 2013
  - March 2013
- SC Council of Government Transit Planner Human Services Outreach
  - February – March 2013
- Public Transportation Opinion Survey – Survey Monkey
  - February/March 2013
Public Transit Survey Highlights

- **2,462 Completed Surveys**
- **Snapshot of Responses:**
  - 92% use personal vehicle for travel
  - What would encourage you to ride transit?
    - Rail or BRT available
    - Transit stops located close to my home
    - Transit buses more frequent
Public Transit Survey Highlights

Do you believe there is a need for additional/improved public transit in South Carolina?

- Yes: 80.1%
- No: 8.4%
- Unsure: 11.5%
Overall, how important do you think it is for SCDOT to encourage the development of alternative forms of transportation to the single-passenger vehicle, such as fixed-route or call-a-ride bus service, ridesharing programs, intercity bus routes, or passenger rail?
How important do you think each of the following transportation priorities should be in South Carolina over the next 20 years?

- Improving general public transportation
- Building new roads/highways
- Adding capacity to existing roads & highways
- Maintaining existing roads & highways
- Expanding bicycle trails & pedestrian walkway

Choose one of the following: Very Important, Important, Somewhat Important, Not Important.
Next Steps

• Finalize transit needs/future revenues

• Complete
  – 10 Regional Transit Plans
  – Statewide Public Transportation Plan
  – SC Multimodal Transportation Plan

• SCDOT Review

• Local Stakeholders Review
QUESTIONS & ANSWERS

Diane Lackey
Corinne Donahue
Tom Dodds and Jack Cebe

BICYCLE & PEDESTRIAN
Bicycle and Pedestrian Needs Analysis

SCDOT
Intersection
Barnwell, SC
Bicycle and Pedestrian Needs Analysis

SCDOT
Mid-Block Crossing
Columbia, SC
Bicycle and Pedestrian Needs Analysis

SCDOT Sidewalk North, SC
Bicycle and Pedestrian Needs Analysis

SCDOT
Bike Lane
Clemson, SC
Bicycle and Pedestrian Needs Analysis

SCDOT
Sidewalk & Bike Lane
Clemson, SC
Bicycle and Pedestrian Needs Analysis

SCDOT
Share the Road Sign
Springfield, SC
Bicycle and Pedestrian Needs Analysis

National Highway Traffic Safety Administration (2010 data)
- 90 Pedestrian fatalities and 14 cyclist fatalities in 2010
- 4th highest in the US for bicycle and pedestrian deaths

2012 ABW Benchmarking Report (3 year average)
- 13.5 bicycle fatalities per 10,000 daily bicyclists (2nd highest in US)
- 11.7 pedestrian fatalities per 10,000 daily pedestrians (3rd highest in US)
- 1.9% of residents walk to work, 0.2% of residents commute by bicycle to work. Ranks 44th in US for walking and bicycling commute rates

Existing Conditions – Safety

Highway 123
Clemson, SC
Bicycle and Pedestrian Needs Analysis

- **Bike Friendly State Program (2012)**
  - 32 out of 50 states (up from 39<sup>th</sup>)
  - 8<sup>th</sup> (out of 14) in the southern region
  - Virginia (1<sup>st</sup> South / 17<sup>th</sup> overall)
  - Georgia (3<sup>rd</sup> South / 23<sup>rd</sup> overall)
  - North Carolina (4<sup>th</sup> South / 24<sup>th</sup> overall)

<table>
<thead>
<tr>
<th>Category</th>
<th>Score (5 = High / 1 = Low)</th>
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<tbody>
<tr>
<td>Legislation and Enforcement</td>
<td>2</td>
</tr>
<tr>
<td>Policies and Programs</td>
<td>4</td>
</tr>
<tr>
<td>Infrastructure and Funding</td>
<td>1</td>
</tr>
<tr>
<td>Education and Encouragement</td>
<td>4</td>
</tr>
<tr>
<td>Evaluation and Planning</td>
<td>1</td>
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</tbody>
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Bicycle and Pedestrian Needs Analysis

- Bike-Friendly, Walk-Friendly State Analysis
  - 6 communities with BFC designation
  - 11 businesses with BFB designation
  - 1 BF University
  - 18 jurisdictions and the State have a Complete Streets Policy

<table>
<thead>
<tr>
<th>Category</th>
<th>Highlights / Needs</th>
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</thead>
<tbody>
<tr>
<td>Legislation and Enforcement</td>
<td>Bicycling enforcement part of Police officer training</td>
</tr>
<tr>
<td>Policies and Programs</td>
<td>Complete Streets Policies, multiple EDMs and design manuals, SRTS Resource Center</td>
</tr>
<tr>
<td>Infrastructure and Funding</td>
<td>Planned regional trails, Regional connectivity needed, Additional funding needed</td>
</tr>
<tr>
<td>Education and Encouragement</td>
<td>Identified need for additional programs</td>
</tr>
<tr>
<td>Evaluation and Planning</td>
<td>Further development of local/regional mode-specific plans, need for developing bike/ped tracking metrics</td>
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Bicycle and Pedestrian Needs Analysis

Stakeholder Interviews

– Representatives from SCDOT Depts. of Engineering, Safety and Maintenance.

– Assessed recommendations from Palmetto Cycling Coalition and other State bicycling advocates.

– Conducted surveys with local MPO, COG and county government stakeholders to identify local issues and concerns.
Bicycle and Pedestrian Best Practices Analysis

Best Practices Memo

– Includes a comparison of SCDOT practices to best practices in other peer states such as Virginia, Wisconsin and Georgia.
– Compares South Carolina policies and design guidelines to nationally recognized best practices.
– Makes recommendations based on these comparisons.
Bike/Ped GIS Database

Status of Database data collected
– 28 counties / 10 COGs collected
– Over 1500 miles of State Touring Routes

<table>
<thead>
<tr>
<th>Existing Bikeways on State and Local Roads</th>
<th>SCDOT Road</th>
<th>Local Road</th>
</tr>
</thead>
<tbody>
<tr>
<td>By Council of Governments</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appalachian</td>
<td>206.71</td>
<td>38.84</td>
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<tr>
<td>Berkeley-Dorchester-Charleston</td>
<td>144.34</td>
<td>33.46</td>
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<td>Catawba</td>
<td>291.60</td>
<td>11.02</td>
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<tr>
<td>Central Midlands</td>
<td>35.37</td>
<td>4.37</td>
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<tr>
<td>Low Country</td>
<td>180.75</td>
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<tr>
<td>Lower Savannah</td>
<td>41.63</td>
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<tr>
<td>Pee Dee</td>
<td>150.94</td>
<td>6.05</td>
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<tr>
<td>Santee-Lynches</td>
<td>5.73</td>
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</tr>
<tr>
<td>Waccamaw</td>
<td>74.73</td>
<td>17.51</td>
</tr>
<tr>
<td>Grand Total</td>
<td>1131.80</td>
<td>132.71</td>
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<table>
<thead>
<tr>
<th>Proposed Bikeways on State and Local Roads</th>
<th>SCDOT Road</th>
<th>Local Road</th>
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<td>By Council of Governments</td>
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<td>Appalachian</td>
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<td>Berkeley-Dorchester-Charleston</td>
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<td>Catawba</td>
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<td>Central Midlands</td>
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<td>Low Country</td>
<td>99.23</td>
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<td>Lower Savannah</td>
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<tr>
<td>Pee Dee</td>
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<td>Santee-Lynches</td>
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<tr>
<td>Upper Savannah</td>
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<td>Waccamaw</td>
<td>411.26</td>
<td>183.72</td>
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<tr>
<td>Grand Total</td>
<td>6752.50</td>
<td>753.33</td>
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Bike/Ped GIS Database
Next Steps

- Revising Technical memos based on SCDOT and public feedback
- Finalizing GIS database
- Final Recommendations
- Methodology for bike and pedestrian considerations in statewide project prioritization
Discussion of SCDOT
Next Steps

• Create an Advisory Group with key SC stakeholders to comment on existing conditions and recommendations.

• Utilize the bicycle GIS database as a SCDOT repository for planned and existing bicycle facilities. Allow and encourage state jurisdictions to continually update the database.
QUESTIONS & ANSWERS