

To:

Mayor and City Councilors

From:

Rich Olson, City Manager

Date:

September 27, 2013

Re:

Joint Meeting - Regional Bike Plan Update/Adoption of Resolution

BACKGROUND:

During the joint City/County meeting, Steven Lambert, Planning Director with the Albemarle Commission, will be presenting the Albemarle Regional Bike Plan. Attached you will find an Executive Summary of the plan. The plan is straightforward and represents a coordinated effort of the counties in northeastern North Carolina.

The plan can be utilized to secure grants from the North Carolina Department of Transportation to build a bicycle/trail network. The Albemarle Commission is requesting that all municipalities and counties adopt a resolution of support for the plan. Attached you will find the proposed resolution.

STAFF RECOMMENDATION:

By motion, adopt the attached resolution as presented.

RCO/vdw

| RESOLUTION N | NO |
|---------------------|----|
|---------------------|----|

A RESOLUTION SUPPORTING ADOPTION OF THE ALBEMARLE REGIONAL BICYCLE PLAN

WHEREAS, the Albemarle Commission and Albemarle RPO, participating local governments, and its subcontractor Alta/Greenways, has prepared the Albemarle Regional Bicycle Plan (the Plan) and; WHEREAS, the purpose of the Plan is to study the feasibility of establishing an interconnected network of offroad and on-road bicycle facilities throughout the entire Albemarle region and; WHEREAS, the proposed bicycle network includes lands located within the multiple counties and municipalities of the Albemarle Region, and; WHEREAS, the Plan process involved public participation, and; WHEREAS, the Plan was financed by a North Carolina Department of Transportation grant. NOW, THEREFORE, BE IT HEREBY RESOLVED by the City Council of the City of Elizabeth City that: a. The Plan and related materials are acceptable to the City of Elizabeth City, and; b. The Plan and related materials will be used to guide future bicycle transportation development, operations, and maintenance. ADOPTED THIS _____, ____, by the Joseph W. Peel Mayor

City Clerk

lbemarle Region

Executive Summary (Calbemarle Commission







Acknowledgements

SPECIAL THANKS

Thank you to the hundreds of people who participated in the development of this plan through public comment forms, social media public outreach events, and meetings.

Albemarle Regional Planning Commission

Camden County: Clayton Riggs, Bill Norton At-Large
Chowan County: Jeff Smith, Jack Perry At-Large
Currituck County: Marion Gilbert
Dare County: Robert Woodard, Sr.
Gates County: Henry Jordan
Hyde County: Earl Pugh, Jr.
Pasquotank County: Gary White
Perquimans County: Tammy Miller-White
Tyrrell County: Leroy Spivey, Chuck Boucher At-Large
Washington County: Tracey Johnson, Charles Sharp At-Large

NCDO1

Helen Chaney, Division of Bicycle and Pedestrian Transportation John Vine-Hodge, Division of Bicycle and Pedestrian Transportation

CONSULTANTS

Alta/Greenways (lead consultant)
Kimley-Horn & Associates
Street Plans Collaborative

STEERING COMMITTEE

Steve Lambert, Albemarle Rural Planning Organization Director* Jay Greenwood, Merchant's Millpond State Park Mary Helen Goodloe-Murphy, Citizen Representative Donna Godfrey, Perquimans County Planning and Zoning Shelley Cox, Pasquotank County Planning Chip Cowan, Citizen Representative Angela Cole, Elizabeth City Planning and Community Development Willie Mack Carawan, Tyrrell County Administration Erin Burke, Town of Manteo Planning and Zoning Ben Woody, Currituck County Planning and Inspections Holly White, Currituck County Planning and Inspections Bobbi White, Elizabeth City Parks and Recreation Elizabeth Teague, Town of Nags Head Planning and Development Donna Stewart, Dismal Swamp State Park Brandon Shoaf, Town of Hertford Planning and Zoning Dan Porter, Camden County Planning and Development Kris Noble, Hyde County Economic Development and Planning Mike Murray, National Park Service Outer Banks Group Gary S. Mitchell, Citizen Representative Greg Loy, Town of Kill Devil Hills Planning and Inspections Doug Lequire, Pettigrew State Park Ann Keyes, Washington County Planning and Safety Morgan Jethro, Gates County Planning & Development Services Landin Holland, Chowan County/Town of Edenton Planning Consultant Joe Heard, Town of Kitty Hawk Planning and Inspections Wes Haskett, Town of Southern Shores Planning & Code Enforcement Joy Greenwood, Dismal Swamp State Park Andy Garman, Town of Duck Community Development Donna Creef, Dare County Planning Gretchen Byrum, NCDOT District Engineer *Project Manager

Executive Summary

INTRODUCTION

The Albemarle Regional Bicycle Plan provides a framework for improving bicycle transportation and recreation in the Albemarle RPO region. The plan acts as a blueprint for improving both regional and local connectivity with a comprehensive toolbox of facility types that are appropriate for a range of landscapes, rural to urban. The plan emphasizes safe,



Public Input was collected at regional events, stakeholder meetings, and through social media.

separated bicycle facilities for both long-distance, recreational bicycling and short, utilitarian bicycle trips. In addition to a connected bicycle network, the plan recommends policies and programs, along with an implementation strategy for all recommendations, designed to effectively and efficiently improve the region's bikeability.

VISION STATEMENT & GOALS

The following vision statement guides the Albemarle Regional Bike Plan:

Implementation

Introduction
Vision Statement &
Goals
Planning Process
Existing Conditions
Needs Assessment
Recommendations

Summary Contents

The Albemarle region is a **Bicycle Destination for the World** where roadways **comfortably accommodate all modes of transportation**. Opportunities exist for residents and visitors to safely and efficiently bicycle for both **transportation and recreation**. Cycling is a **common, fun, and preferred means of transportation, recreation, and healthy living** that improves our communities.

The purpose of this plan is to make this vision a reality. Specific goals derived from this vision are listed below.

Goal 1: Increase the quality of bicycling throughout the region

Goal 2: Improve health outcomes in the region

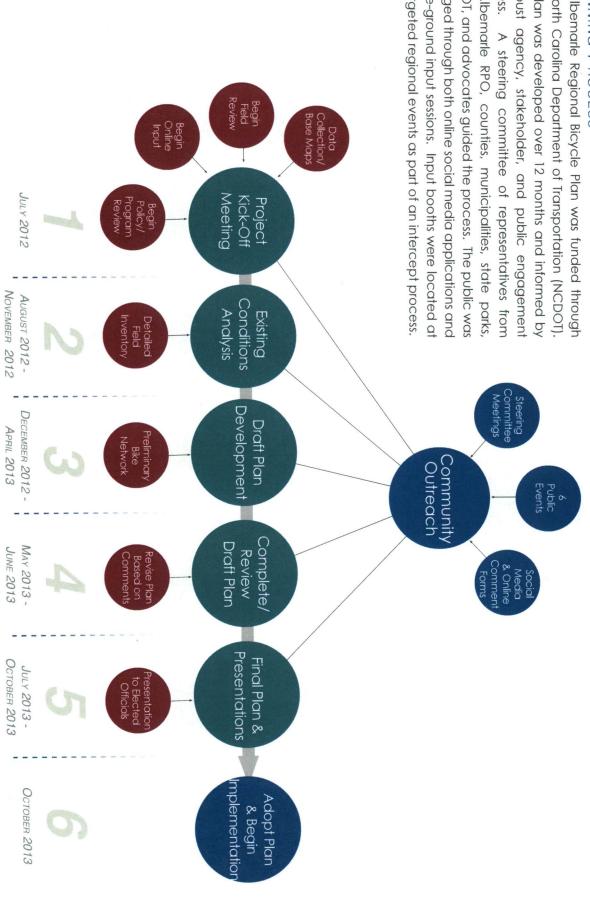
Goal 3: Improve safety for all cyclists

Goal 4: Increase bicycling trips by residents and visitors

Goal 5: Promote and encouarge the growth of the tourism economy

PLANNING PROCESS

six, targeted regional events as part of an intercept process. on-the-ground input sessions. Input booths were located at engaged through both online social media applications and NCDOT, and advocates guided the process. The public was the Albemarle RPO, counties, municipalities, state parks, process. A steering committee of representatives from a robust agency, stakeholder, and public engagement The plan was developed over 12 months and informed by the North Carolina Department of Transportation (NCDOT). The Albemarle Regional Bicycle Plan was funded through



EXISTING CONDITIONS

opportunities for bicycle transportation. Banks. Each subregion holds unique challenges and - North of Sound, South of Sound, and the Outer the study area was divided into three subregions habitats, and economies. To account for this variation, a variety of land uses, demographics, ecological The Albemarle region is a diverse landscape with

policy, and program treatments. For closer analysis recommendations: types that were used to structure context-sensitive the region was classified into seven settlement This diversity requires a broad toolbox of engineering

Natural

Town



CHALLENGES: Like most of North Carolina, driving an automobile is currently the most convenient mode of travel in the region because the roadway network is designed for driving. Land uses are typically segregated by long distances, making bicycling from origin to destination tedious for most trips. The area also lacks a connected and consistent network of bicycle facilities that encourages bicycling as a viable choice for transportation.

OPPORTUNITIES: Yet, the Albemarle Region has tremendous opportunity to become a "Bicycle Destination for the World." Flat roadways, scenic landscapes, and historic towns make bicycling tourism a reality today despite the challenges above, as well as a feasible boost to the region's economy if expanded. Bicycling is already prevalent in the Albemarle region, typically in two situations:



Flat roadways, scenic landscapes, and historic towns make bicycling tourism a reality today.

- Lower-income centers where bicycling and walking are critical means of transportation, and
- Tourist areas, especially along the beach, where bicycling is largely a common tourist and recreational activity.

For these reasons, the bicycle mode share in the Albemarle Region is 0.4%, twice that of the rest of North Carolina (Bicycle mode share in the Outer Banks alone is 0.8%).

NEEDS ASSESSMENT

The three subregions were assessed through a combination of GIS data analysis and fieldwork. Needs varied by each subregion and settlement type. There are very few bicycle facilities, with the exception of some paved shoulder, in the North of Sound and South of Sound subregions. The Outer Banks subregion boasts the most bicycle facilities, mostly multi-use sidepaths for recreational bicyclists.

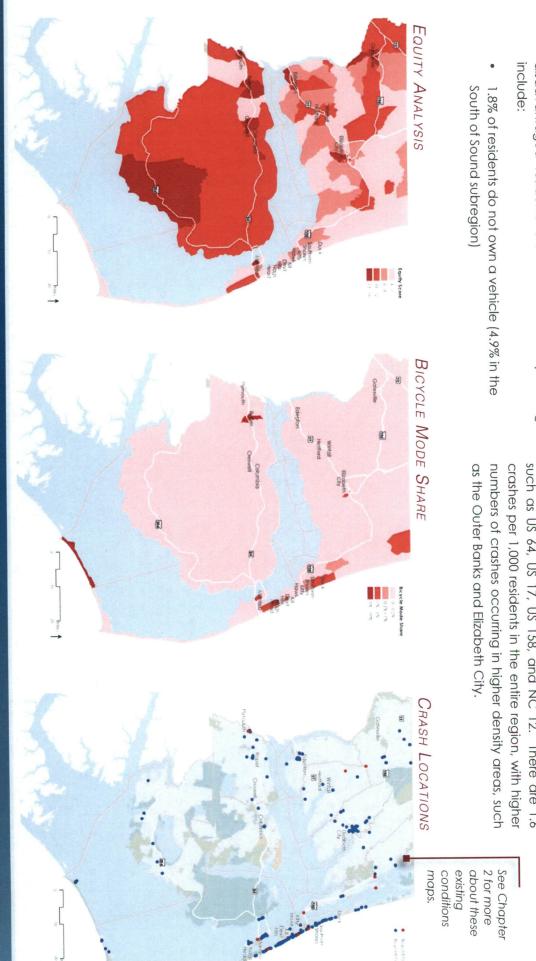
EXISTING FACILITIES:

| Outer Banks | South of Sound | North of Sound | |
|-------------|----------------|----------------|--|
| 6 | 0.2 | 0.2 | Bicycle Facility Miles/1,000 residents |
| 299 | 2 | œ | Bicycle Facility Miles/1,000 roadway miles |

demographic characteristics such as vehicle ownership, disadvantaged residents are met. Some key findings A regional equity analysis was conducted by layering with facility recommendations to ensure the needs of locations identified through this analysis were targeted median household income, race, and language. The

> 0.4% of residents bicycle to work (0.8% in the Outer Banks subregion)

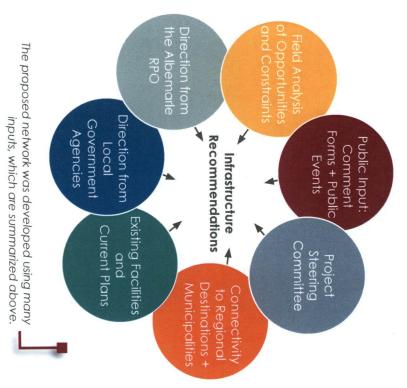
such as US 64, US 17, US 158, and NC 12. There are 1.6 between 2005 and 2012 occurred along major roadways are struck by vehicles each year. Most bicycle crashes Bicycle safety is a chief issue for this region as many bicyclists



RECOMMENDATIONS

BICYCLE NETWORK

are geared towards the 60% of the the recommendations of this plan and street typology. In large part, a number of factors such as land appropriate treatments based upon is recommended. A toolbox of bicycle connected network of bicycle facilities comprehensive regionally and locally choice for bicycle transportation, a In order to provide an equivalent destinations, and public input. based on safety, need, proximity to key Recommendations were concerned" in bicycling (see far right). population considered "interested, but facility types was used to recommend patterns, density, destinations prioritized



This diagram illustrates the various recommended facility types, from those that are least separated from motorized vehicle traffic, to those that are the most separated.

TYPES OF BICYCLISTS

U.S. have characterized themselves in past infrastructure, but also through policies and meet the needs of all types, not only through the Albemarle region. This plan seeks to are a variety of bicyclists of all skill levels in surveys when it comes to bicycling. There This diagram illustrates how people in the programs.

1% Strong & Fearless 60% Interested but Concerned













Least Separated

Shared Lane Markings

Shared Roadway

Separated Space

Signed Shared

Roadway

Boulevard Bicycle

Shoulder Paved

Bike Lane

Lane

Buffered Bike

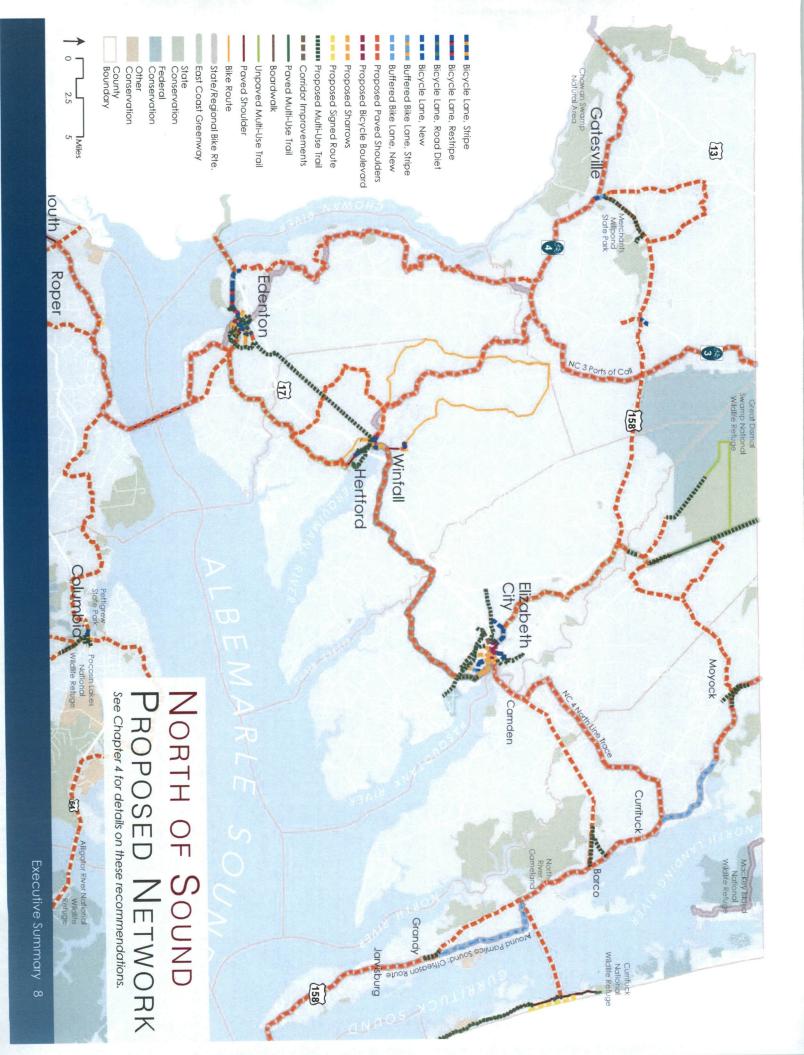
protected with Cycle Track: parking

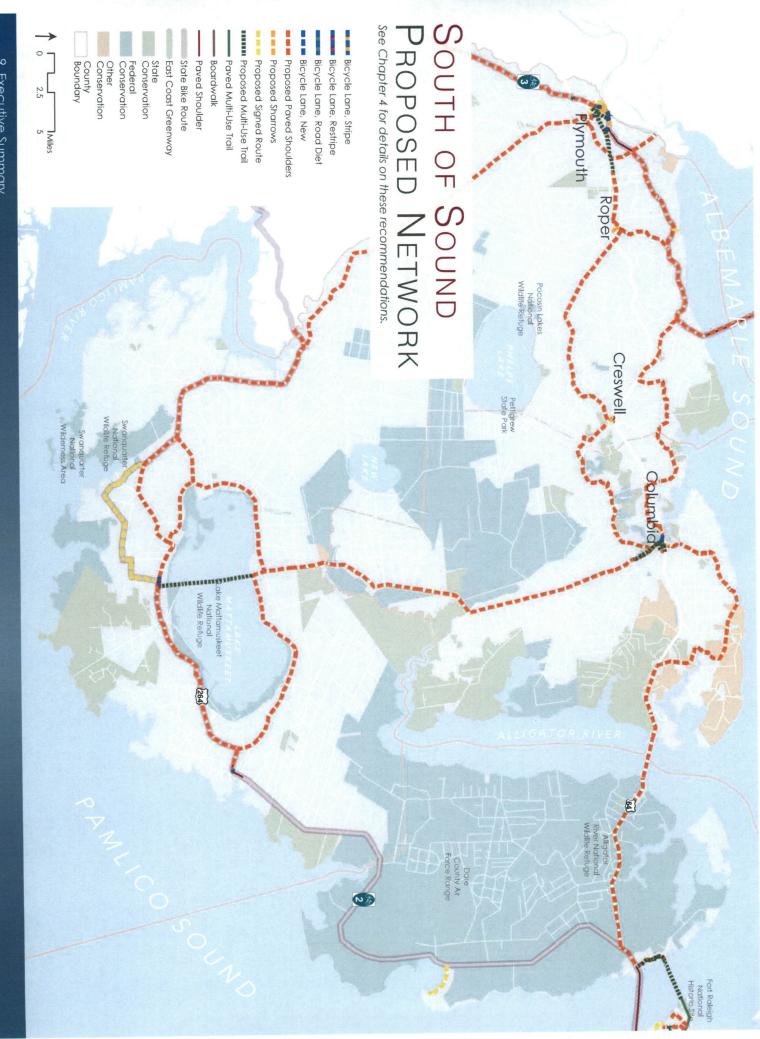
Separated Bikeway

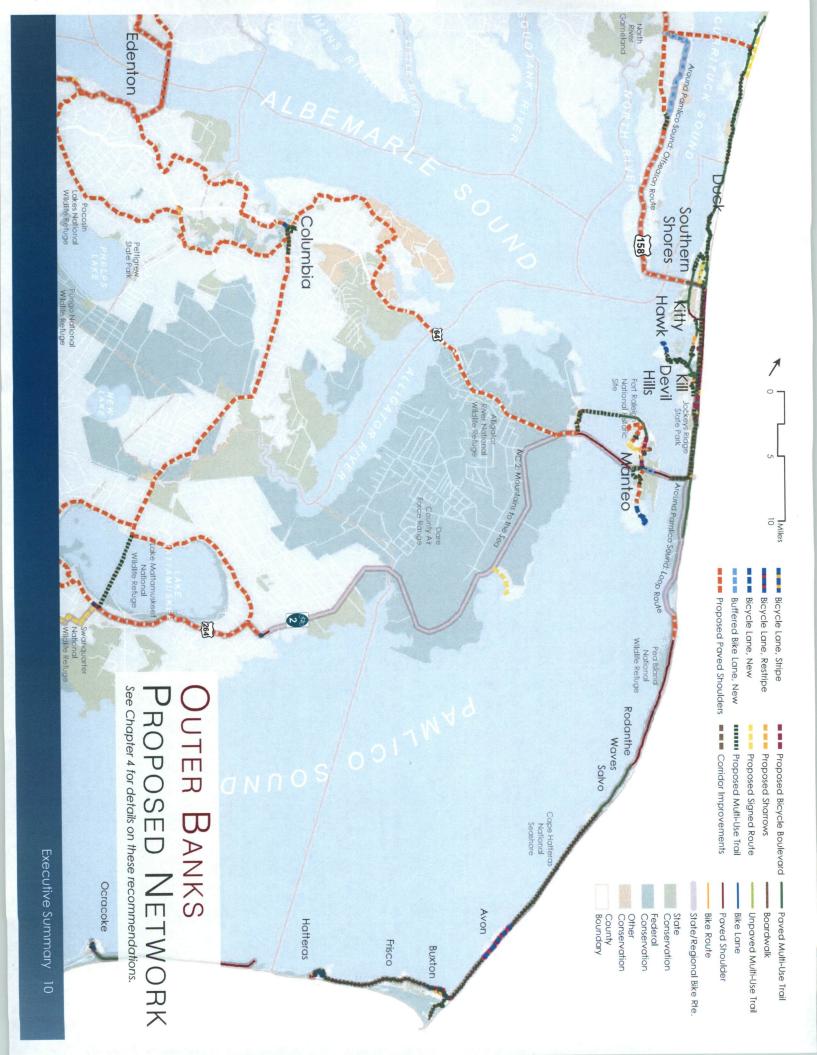
Multi-Use Trail

Most Separated

Multi-Use Trai







OLICIES

Policies play a critical role in shaping the long-term growth and development of a community. The policy recommendations of this plan aim to improve the underlying land use and transportation conditions that fundamentally promote bicycle use at the regional and local level.

(ey Policies

- Recognize the interrelationship between land use decisions (planning and development) and transportation decisions.
- Reinforce basic urban design principles that result in the development of visually pleasing districts, neighborhoods, and corridors supportive of bicycling and walking.
- Improve the balance of profected rural areas and vibrant village, town, and city environments that make the Albemarle region special.

Policy recommendations address the transportation network, environmental protection, regional growth, and bicycle infrastructure such as on-road facilities, signage, and bicycle parking. Policy statements are organized by settlement type and may be applied to county and town comprehensive planning, land use, and development ordinances.

PROGRAMS

while infrastructure and policies make bicycling viable, programs ensure that residents and visitors will get out and try bicycling. A program may be presented as a campaign, on-going initiative, or one-time event, depending on its purpose. In essence, these different efforts market bicycling to the general public and ensure the maximum return on investment in bicycling facilities in the form of increased mode shift to bicycling. Program recommendations are broken into four categories:

- Education The focus of an educational campaign can range from information about the rights and responsibilities of road users to tips for safe behavior; from awareness of the area-wide benefits of bicycling to technical trainings for local agency staff.
- Enforcement The goal of enforcement is for bicyclists and motorists to recognize and respect each other's rights on the roadway.
- Encouragement These programs inspire all ages, abilities, and user groups to bike, including school age children, young adults, college students, working adults, and seniors. They address both recreational and utilitarian cycling.
- **Evaluation** These programs ensure facilities are consistently monitored and maintained, and track progress toward plan goals.

A variety of programs are recommended within each category. These initiatives can be undertaken by local agencies, regional organizations, community organizations, or by any combination of partnerships between such agencies and organizations.

IMPLEMENTATION

between NCDOT, local government agencies, stakeholders, and advocates Implementing the recommendations of this plan will require a concerted, consistent effort and collaboration

Key Steps & Partnerships in Implementation

- Adopt the plan at regional, county, and local levels.
- Form a BPAC (Bicycle and Pedestrian Advisory Committee) to oversee the implementation of this plan
- Build priority projects with a multi-prong approach (State TIP, local capital improvement programs, grants, private funders, development policies, and by incorporating bicycle facilities into scheduled roadway rehab projects).
- Develop bicycle maps for subregions and localities, especially within the central Outer Banks
- Advance key priority education, encouragement, and enforcement programs.
- Implement local policy changes to address bicycle facility construction, bike parking, etc.
- Work with Community Transformation Grant staff and local SRTS programs.
- Engage lower-income communities.

See Chapter 7 for more than 30 detailed action steps, including identified lead and support agencies and phasing per task.

ADMINISTRATIVE STRUCTURE



This figure presents an organizational structure for plan implementation. All of the groups and agencies shown in this figure will be necessary to successfully implement the extensive program, policy, and infrastructure recommendations of the plan.

Education | Enforcement | Evaluation | Encouragement | Engineering

