

The Volusia County MPO
Bicycle/Pedestrian
Plan



As Adopted January 25, 2005

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I. Introduction:

The Volusia County Metropolitan Planning Organization (VCMPO) is committed to working on the development of a cohesive network of sidewalks, paths and trails that will facilitate a diverse range of non-motorized transportation activities. Planning and engineering staff from various municipalities along with county government and citizen representatives have actively worked within the VCMPO structure to develop a framework for accomplishing this task.

The framework includes the establishment of a subcommittee that focuses on the promotion of bicycle and pedestrian issues and the development of a plan that addresses issues specific to the attainment of bicycle and pedestrian related goals. In order to facilitate this effort, the VCMPO Board established a *Bicycle and Pedestrian Task Force (BPTF)* in March 2002. The membership included one citizen representative appointed by each of the Board Members, one representative appointed by the School Board, and technical representatives from two cities (currently Port Orange and Orange City) appointed by the Volusia Council of Governments and two County staff members.

The Bicycle and Pedestrian Task Force (BPTF) has been charged with the following tasks:

1. Coordinate and consolidate local and countywide bicycle and pedestrian plans into one comprehensive database to be included in the development of a comprehensive Bicycle and Pedestrian Plan.
2. Provide direction regarding the development and implementation of the plan.
3. Oversee the Volusia County MPO Pilot Program.
4. Refine the bicycle and pedestrian funding criteria and assist the VCMPO in identifying bicycle/pedestrian projects for future funding.
5. Identify projects for feasibility studies for bicycle and pedestrian projects.
6. Report to the MPO Board on bicycle and pedestrian issues.

II. History Overview:

A) Bicycle and Pedestrian Related Policies:

The Volusia County MPO recognizes the importance of providing safe, efficient and accessible pedestrian facilities and is committed to creating an integrated, inter-modal transportation system. This commitment has been reflected in the MPO's funding for projects, which has included a 12.5% set aside of the Surface Transportation Program (STP) funding. This set aside was established in February 1999 and continues today.

In addition, this recognition has been reflected in the Long Range Transportation Plans (LRTP's) adopted by the MPO. Cited below are excerpts from the current 2020 LRTP:

Goal 1.2 – The Plan will consider effective alternative modes of transportation to the automobile.

Objective 1.2.6 - Bicycle and pedestrian modes will be promoted as viable means of transportation to link major activity centers and other special trip generators.

Objective 1.2.7 - Appropriate support facilities (e.g., bicycle racks, benches, etc.) for bicycle and pedestrian projects will be considered.

Objective 1.2.8 – Design standards for future highway facilities will address pedestrian and bicycle needs.

Objective 1.2.9 - All pedestrian facilities will be designed to comply with the American with Disabilities Act (ADA)

Objective 1.2.11 – The Plan will consider the enhancement and protection of the existing bicycle, pedestrian, and transit systems.

Objective 1.2.12 – The project prioritization methodology and process will include pedestrian, bicycle and transit projects and improvements.

The MPO's LRTP for 2025 has not yet been adopted; however, the mission statement for the plan reiterates the commitment to multimodal transportation, by recognizing the bicycle and pedestrian components. The MPO has adopted the following Vision Statement that will be used to guide the development of the 2025 Long Range Transportation Plan.

“Our future regional transportation system will be an integrated multimodal network that includes safe and efficient roadways, commuter rail, air service, improved bus service, and is supportive of a bicycle and pedestrian network. These systems will provide for economic development that will allow for an effective movement of people, goods, and services necessary to maintain and enhance our quality of life.”

In addition to the efforts of the MPO, the Volusia County Council has also recognized and stressed the importance of including bicycle and pedestrian facilities in their transportation plans. The following citations are from the *Volusia County Comprehensive Plan Transportation Element*:

Policies:

2.1.1.21 - Volusia County has established land use and other strategies to promote the use of bicycles and walking.

2.1.1.22 - Volusia County has developed and will maintain land use regulations for the safe and efficient movement of pedestrians within all new development proposals.

2.1.1.23 - Volusia County shall coordinate with the Volusia County MPO to develop a County-wide Bicycle and Pedestrian Systems Plan.

Objectives: 2.1.10 - Encourage bicycle use and pedestrian activity throughout Volusia County.

Policies:

2.1.10.1 - Volusia County shall use the Volusia Trails Plan, as accepted by the Volusia County Council, as a guide to supplement Volusia County's transportation network with interconnected non-motorized bicycling and walking corridors.

2.1.10.2 - Volusia County shall develop pedestrian and bicycle ways to connect public uses such as schools, libraries, parks, and inter-modal *transit nodes where feasible*.

2.1.10.3 - Volusia County shall develop bicycle-compatible design standards in the Land Development Code for all new and reconstructed collector and arterial roads.

2.1.10.4 - Volusia County shall include sidewalks alongside all roadways as consistent with the requirements of the Land Development Code.

2.1.10.5 - Volusia County shall integrate bicycle (i.e., bicycle racks on buses, secure bicycle storage lockers, and park and ride lots), and pedestrian features into transit planning.

On June 12, 2002 the Bicycle/Pedestrian Task Force (BPTF) held its first meeting. At that meeting MPO staff made a presentation that included a general overview of MPO functions and past MPO Bicycle/Pedestrian Committees and efforts. The following are the goals established for the new Bicycle/Pedestrian Task Force.

- Develop the Long Range Bicycle/Pedestrian Plan
- Evaluate the conditions of existing bicycle/pedestrian facilities
- Review the MPO bicycle/pedestrian evaluation criteria for funding of MPO bicycle/pedestrian projects for this Pilot Program

In May of 2003 the Volusia County Council updated their implementation plan in an effort to achieve multi-year goals. One of the objectives in their plan was to identify funding, develop priorities and schedule timelines for a five-year trail plan. County staff has been developing this plan and will be pursuing funding for targeted/identified projects in the trails plan.

The necessity of and desire for providing additional non-motorized facilities was also evident in a public referendum which passed in November of 2000. The ECHO (Ecological, Cultural, Heritage and Outdoor) initiative is projected to raise an estimated \$80 million over its 20-year life to help improve the quality of life for the citizens of Volusia County. In June of 2004 the Volusia County Council approved the dedication of a million dollars a year of ECHO funding exclusively for trails projects.

Many municipal governments have also recognized the importance of integrating bicycle and pedestrian facilities into their planning processes and as a result have incorporated these attributes into their comprehensive plans.

B) Pilot Process Overview:

As stated in the Introduction (Section I), the BPTF was tasked with the responsibility of overseeing the establishment of the “Pilot Program”. A chronological history of the MPO’s Pilot Program is as follows:

October 23, 2002: the Bicycle/Pedestrian Task Force agreed that every spring the cities and county will submit applications for XU bicycle/pedestrian funds. The MPO staff will rank the projects according to the criteria that the BPTF was developing for the project selection criteria.

February 12, 2003: the BPTF unanimously approved a motion to forward the approved criteria and project submission process to the TCC, CAC and MPO Board.

May 14, 2003: At the BPTF meeting it was reported that a call for projects was sent out on April 27, 2003 to all local governments for participation in the VCMPO’s Pilot Program for leveraging federal XU dollars for bicycle/pedestrian facilities. Projects were due to the VCMPO by May 21, 2003. A copy of the scoring criteria as approved by the BPTF is included in the appendix of this Plan.

June 11, 2003: Task Force members reviewed nineteen projects from seven local governments for ranking and consideration for the Group A List for the Pilot Program. Each project was discussed for a period of 10 to 15 minutes. At the end of the discussion the BPTF turned in their ranking sheets to staff for input on a scoring and ranking spreadsheet.

III. Development of the VCMPO Bicycle and Pedestrian Plan:

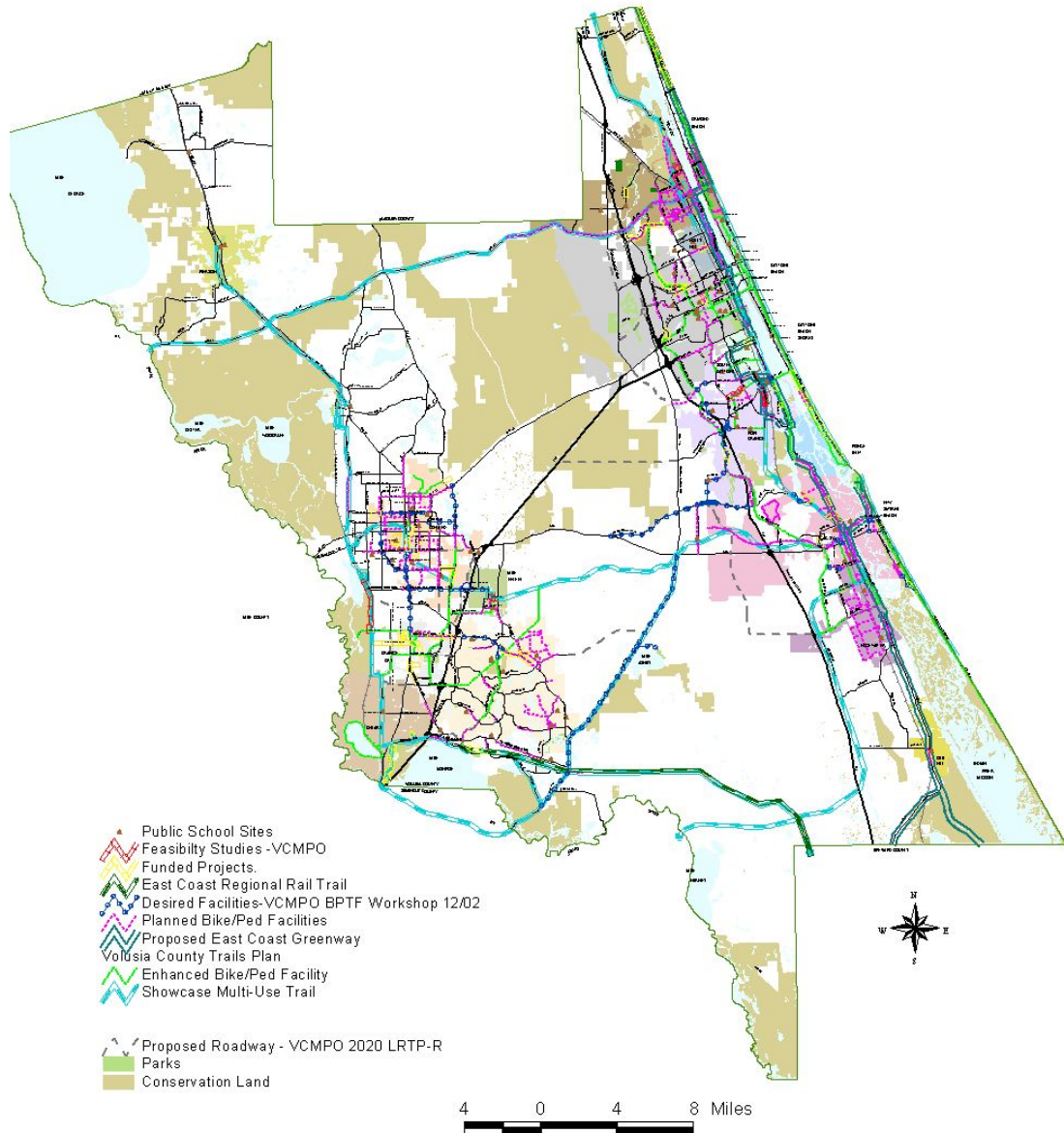
In developing the MPO Bicycle and Pedestrian Plan, the MPO and the Bicycle/Pedestrian Task Force embarked on creating a GIS based database that brought together all existing and planned facilities including the Volusia Trails Plan and municipal trails and greenways plans. In addition, the Task Force assumed an approach which would promote the development of sidewalks on major (arterial/collector) roads - both city and county - and bike lanes on major roads. The Plan shall include existing and planned connections to schools, parks, city centers, libraries and other places with all types of bicycle and pedestrian facilities. MPO staff worked with the BPTF to develop the Plan and oversee the development process.

GIS Data was provided to the MPO from various cities such as New Smyrna Beach, Port Orange and Ormond Beach on their bicycle and pedestrian facilities. This database was expanded to include GIS data collected by TransCore as prepared for the MPO in May of 2000. An inventory of facilities was collected by MPO staff in December 2002 from field visits and was incorporated into the inventory database. As jurisdictions continue to collect and geo-code their data inventories the MPO's database will be updated accordingly as this information becomes available.

The current version of the Volusia County MPO's Bicycle and Pedestrian Comprehensive Plan map incorporates the planned bicycle/pedestrian networks as provided by the local jurisdictions, the Volusia County Proposed Trails Network and data collected for the MPO by TransCore Inc. for the bicycle/pedestrian element in May of 2000. The map also reflects data provided by the BPTF members at the December 2002 MPO BPTF Workshop regarding desired bicycle/pedestrian facilities within Volusia County.

IV. The VCMPO Bicycle and Pedestrian Plan:

Volusia County MPO Bicycle and Pedestrian Project Plan Planned Facilities



Volusia County Planned Bicycle and Pedestrian Facilities by Jurisdiction

Area	Description	Limits	Mode
DeBary	<i>Enterprise Road</i>	Deltona Blvd to Summerhaven Dr	bike/ped
Daytona Beach & DB Shores	<i>11th St</i>	Nova Rd to Riverside Dr	bike/ped
	<i>Atlantic Av</i>	Marcelle Rd to Major St	bike/ped
	<i>Beach St</i>	Beville Rd to Wilder Blvd	bike/ped
	<i>Beach St</i>	5th Street to Fairview Ave.	bike/ped
	<i>Bellevue Ave</i>	East of Beach St through the Park	bike/ped
	<i>Bellevue Av</i>	Williamson to Clyde Morris Blvd.	bike/ped
	<i>Bellevue Av</i>	Clyde Morris Blvd. to Nova Rd.	multi-use trail
	<i>Beville Rd</i>	Clyde Morris Blvd. to Nova Rd.	bike/ped
	<i>Big Tree</i>	Clyde Morris to Nova Rd	bike/ped
	<i>Clyde Morris</i>	Big Tree Rd to US 92	multi-use trail
	<i>Coquina Dr</i>	5th St to 6th St	ped
	<i>Derbyshire Rd</i>	Mason Ave to LPGA Blvd	ped
	<i>Dr Mary M Bethune</i>	Welch Dr. to Nova Road	ped
	<i>Fletcher Av</i>	George W. Ingram to Sheridan Dr.	ped
	<i>Fulton St</i>	Dr M Bethune to Oak St.	ped
	<i>Grandview/Oleander</i>	N/Oleander/Grandview	bike/ped
	<i>Indigo Dr/Dunn Av</i>	Williamson to Dunn Ext.	ped
	<i>Jackson Av</i>	George W. Ingram to Sheridan Dr.	ped
	<i>Jefferson St</i>	George W. Ingram to Dr M Bethune	ped
	<i>Jimmy Ann Dr</i>	Dunn Ave to LPGA Blvd	bike/ped
	<i>North St</i>	Heineman St to White Street	ped
	<i>Peninsula Dr</i>	Harvard Dr to Plaza Blvd	bike/ped
	<i>Peninsula Dr</i>	Toronita Ave to Marcelle Ave	bike/ped
	<i>Seneca St.</i>	George W. Ingram to US 92	ped
	<i>Tarragona Wy</i>	Magnolia Ave to Museum Blvd	ped
	<i>Thunderbird Dr</i>	3rd Ave to 5th St	ped
	<i>Washington St</i>	Madison Ave to George W. Ingram	ped
	<i>Williamson Blvd</i>	Indigo Dr to North of Dunn Ext.	bike/ped
<i>Wilson Av</i>	George W. Ingram to Dr M Bethune	ped	
<i>Yorktown Dr</i>	Paul Revere Dr to Beville Rd	ped	
Deland	<i>Adelle Ave</i>	Florence Ave to Plymouth	ped
	<i>Amelia Ave</i>	New Hampshire to Beresford	multi-use trail
	<i>Amelia Ave</i>	University Ave to US 92	multi-use trail
	<i>Baxter St</i>	US 17 to Central Ave	ped
	<i>Beresford Av</i>	Ridgewood to Woodward	multi-use trail
	<i>Beresford Ave</i>	Amelia To Blue Lake	multi-use trail
	<i>Blue Lake</i>	Orange Camp to Voorhis	multi-use trail
	<i>Blue Lake</i>	Wisconsin to Minnesota	multi-use trail
	<i>Boston Ave</i>	Beresford to Kentucky	ped
	<i>Boundary Ave</i>	Grove Hamlet Way to Plymouth Ave	bike/ped
	<i>Boundary</i>	Park Ave to Grove Hamlet Way	bike/ped
	<i>Boundary</i>	Beresford Ave to Camphor Ln	bike/ped
	<i>Cass</i>	Roanoke Ave to Beresford	ped
	<i>Clara Ave</i>	Green to Beresford	ped
	<i>Clara Ave</i>	SR 15A to Mansfield St W	ped
	<i>Deland Greenway</i>	Phase II and IV	multi-use trail
	<i>Euclid</i>	Spring Garden to Boundary Ave	ped
		<i>Euclid</i>	Amelia to Hill Ave

Volusia County Planned Bicycle and Pedestrian Facilities by Jurisdiction

Area	Description	Limits	Mode
	<i>Garfield Ave</i>	Brentwood Ave to Old Daytona Ave	multi-use trail
	<i>Grand Ave</i>	Plymouth to Glenwood Rd	multi-use trail
	<i>Hill Ave</i>	Beresford to New York Ave	ped
	<i>Jeannette</i>	Louise Ln to Spring Garden	ped
	<i>Kentucky Ave</i>	Woodland to Sunshine	bike/ped
	<i>Kepler Rd</i>	Beresford Ext to Minnesota Ave	multi-use trail
	<i>Lindley Blvd</i>	Boston to Hill	ped
	<i>Louise</i>	Garden to Jeanette Av	ped
	<i>Massachusetts</i>	Hubbard to Walts Ave	ped
	<i>McDonald Ave</i>	Heather to Biscayne Blvd	ped
	<i>McGregor/Orange Camp</i>	Stately Oaks Lane to Princeton Rd	ped
	<i>Minnesota</i>	Spring Garden to High St	multi-use trail
	<i>Minnesota</i>	Amelia to Kepler	multi-use trail
	<i>New York</i>	Hill Ave to Summit	bike/ped
	<i>New Hampshire Ave</i>	Clara to Garfield	ped
	<i>Oak Forest Ct</i>	North of Taylor Rd	ped
	<i>Old Daytona Rd</i>	US 17/92 to Amelia	ped
	<i>Old Daytona Rd</i>	Garfield to McDonald	ped
	<i>Orange Camp</i>	Princeton to Blue Lake	multi-use trail
	<i>Plymouth/Jacobs Rd</i>	Hill Ave to US 92	multi-use trail
	<i>Plymouth Ave</i>	Hunters Creek Dr to Clara Ave	multi-use trail
	<i>Princeton/Stratford</i>	Orange Camp to Taylor	ped
	<i>Rich Ave</i>	Boundary to Clara	bike/ped
	<i>Stone St</i>	Beresford to Euclid	ped
	<i>Spring Garden Ave</i>	Minnesota to US 92	ped
	<i>Taylor Rd</i>	Woodland Blvd to Hill Ave	multi-use trail
	<i>Taylor Rd</i>	Clara to Woodland	multi-use trail
	<i>Taylor Rd</i>	Hill to Blue Lake	multi-use trail
	<i>University Ave</i>	Boundary to Amelia	bike/ped
	<i>US 17</i>	Old Daytona Rd to Evergreen	bike/ped
	<i>US 92</i>	US17 to Kepler Rd	bike/ped
	<i>US 92</i>	Amelia to Lexington Rd	bike/ped
	<i>US 92</i>	SR 15A to Amelia	bike/ped
	<i>Volusia Ave</i>	High St to Alabama Ave	bike/ped
	<i>Voorhis Ave</i>	Amelia to Blue Lake	ped
	<i>Woodland Blvd</i>	Michigan to University	ped
	<i>Woodland Blvd</i>	Hubbard to Euclid	ped
	<i>Woodland Blvd</i>	Beresford to Volusia Ave	ped
	<i>Woodland Blvd</i>	SR15 A to Vermont Ave	ped
	<i>Woodland Blvd</i>	Orange Camp Rd to Derefoot Rd	ped
	<i>Woodward</i>	Beresford to Euclid	bike/ped
	<i>Woodward</i>	Roanoke Av to Beresford	ped
Deltona	<i>Austin</i>	Beal St to Windsor Heights St.	bike/ped
	<i>Captain</i>	Snow Drive to Courtland Blvd	bike/ped
	<i>Catalina</i>	Seagate Dr to Howland Blvd	bike/ped
	<i>Courtland</i>	Fort Smith to Partridge St	bike/ped
	<i>Courtland</i>	Elkcam Blvd. to Kimball St.	bike/ped
	<i>Debary</i>	I-4 to Main St.	bike/ped
	<i>Doyle</i>	Saxon to Courtland Blvd	bike/ped
	<i>Elkcam</i>	Howland Blvd to Riverhead Dr	bike/ped

Area	Description	Limits	Mode
	<i>Florida</i>	Elkcam Blvd to Fulford St.	bike/ped
	<i>Ft Smith</i>	Providence Blvd to Elkcam Blvd.	bike/ped
	<i>Ft Smith</i>	Preston Ave. to Deed Cir	bike/ped
	<i>Fulford</i>	Cardena Ave to Fairgreen	bike/ped
	<i>Garfield</i>	Enterprise Osteen to Doyle Rd	bike/ped
	<i>Haulover</i>	Lake-Helen Osteen Rd to Courtland Blvd	bike/ped
	<i>Howland</i>	Idelweise Dr to Elkcam Blvd	bike/ped
	<i>Humphrey</i>	India Ave. to Pelham Cir.	bike/ped
	<i>India</i>	Joel Ct to Courtland Blvd.	bike/ped
	<i>Maltby</i>	Courtland Blvd. to Tunisia Dr	bike/ped
	<i>Maytown Rd</i>	New Smyrna Blvd to Dixon Lake Rd	bike/ped
	<i>Newmark</i>	Howland Blvd to Laredo Dr	bike/ped
	<i>Phonetia</i>	Tunisia Dr to Rooery Ave	bike/ped
	<i>Prescott</i>	Beck Circle to India Dr	bike/ped
	<i>Providence</i>	DeBary Ave to Normandy Blvd	multi-use trail
	<i>Rookery</i>	Fort Smith Blvd to Phonetia Dr	bike/ped
	<i>Saxon</i>	Normandy Blvd to Montague St	multi-use trail
	<i>SR 415</i>	Railroad Ave to New Smyrna Blvd	bike/ped
	<i>Tunisia</i>	Courtland Blvd to Maltby Dr	bike/ped
	<i>Waco</i>	Windsor Heights St to Haulover Blvd	bike/ped
	<i>Wilmington</i>	Tivoli Dr to Providence Blvd	bike/ped
	<i>Windsor Hts</i>	Waco Dr to Courtland Blvd.	bike/ped
Edgewater	<i>12th St</i>	Willow Oak Dr to Mango Tree Dr	ped
	<i>16th St</i>	Willow Oak Dr to Hibiscus Dr.	ped
	<i>22nd St</i>	Willow Oak Dr to Hibiscus Dr.	ped
	<i>22nd St W</i>	Silver Palm Dr to Willow Oak Dr.	ped
	<i>26th St</i>	Silver Palm Dr to Hibiscus Dr	ped
	<i>27th St</i>	Glenwood Dr to US1	ped
	<i>35th St E</i>	Needle Palm Dr to India Palm Dr	ped
	<i>35th St</i>	Limits to be determined	ped
	<i>Cheetah Dr/Mockingbird Ln</i>	Old Country Rd to US1	ped
	<i>Hibiscus Dr/India Palm Dr</i>	35th St to 16th St.	ped
	<i>Industrial St/Fern Palm D</i>	Indian River Blvd. to Marion Ave. W	ped
	<i>Mango Tree Dr</i>	16th St to Park Ave.	bike/ped
	<i>Old County Rd N</i>	Park Ave to Cheeta Dr.	ped
	<i>Orange Tree Dr N</i>	Indian River Blvd. to 16 th St.	ped
	<i>S Ridgewood Dr 2</i>	Cory Dr to Ocean Ave.	ped
	<i>Silver Palm Dr</i>	35th St to Air Park Road	ped
	<i>Turgot Av W</i>	RR to US1	ped
	<i>Willow Oak Dr</i>	35th St. to 12th St.	ped
Holly Hill	<i>11th Street</i>	Nova Road to Riverside Drive	bike/ped
	<i>Riverside Drive</i>	Plaza Grande Ave to 5th St	bike/ped
Lake Helen	<i>Cassadaga</i>	I-4 to Kicklighter Rd	multi-use trail
	<i>Orange Camp Bridge</i>	Cross Volusia Trail Overpass	multi-use trail
	<i>Kicklighter</i>	Macy Ave. to Prevatt Ave.	multi-use trail
	<i>Lake Helen Osteen</i>	Rabenton Rd to Courtland Blvd.	bike/ped
	<i>Lake Helen/Osteen Rd</i>	Kicklighter Rd to Sixma Rd	bike/ped
	<i>Lake Helen Trail</i>	Main/Lakeview/Washington/Orange/Ohio Av	multi-use trail
	<i>Pleasant</i>	Kicklighter to Ohio Ave.	bike/ped

New Smyrna Beach	<i>10th St</i>	Old Mission Ave to Myrtle Ave	bike/ped
	<i>Central Beach Loop</i>	Cooper St/Second Ave/South Atlantic Ave	multi-use trail
	<i>Myrtle Avenue Extension</i>	SR 44/Canal Street	bike/ped
	<i>Ninth Street</i>	Tenth Street/South Riverside Drive	bike/ped
	<i>North Beach Loop</i>	N Atlantic Ave/Tide Street/N Peninsula Ave	bike/ped
	<i>North Peninsula Ave</i>	Flagler Ave / Surf Street	bike/ped
	<i>NSB Multi-use Path</i>	Fire Station / West City Boundary	multi-use trail
	<i>Samsula Rd</i>	SR 44 to Pioneer Trail	bike/ped
	<i>Saxon Drive Extension</i>	Sandpiper Ave/South City Limits	bike/ped
	<i>South Beach Loop</i>	Saxon Drive/ Matthews Ave/South Atlantic Ave/3rd	bike/ped
	<i>Turnbull Bay Road Extension</i>	Turnbull Estates Drive/Sunset Drive	bike/ped
<i>U.S. 1 Corridor Trail</i>	North City Limits / South City Limits	multi-use trail	
Oak Hill	<i>US 1</i>	South of Halifax Ave	multi-use trail
Orange City	<i>French Ave sidewalk trail</i>	proposed sidewalk/trail	bike/ped
	<i>French Ave</i>	Blue Springs Park to E.US 17/92 end of road	multi-use trail
	<i>Graves Ave</i>	Leavitt Ave to I-4	bike/ped
Ormond Beach	<i>AIA Trail</i>	John Anderson (N)/Neptune/SRA1A	bike/ped
	<i>Central Park Trail</i>	Park area (Fleming to Sandy Oaks)	multi-use trail
	<i>Division Trail</i>	Old Kings Rd to Beach Street	multi-use trail
	<i>Hand Ave trail</i>	Williamson to US1	multi-use trail
	<i>Kings Heritage Highway Trail</i>	Bulow Crk park to Sanchez Ave	multi-use trail
	<i>Kings Heritage Highway Trail</i>	Lindenwood (park to Domicillo)	multi-use trail
	<i>Kings Heritage Highway Trail</i>	Sanchez Av & South on Beach sty	multi-use trail
	<i>Kings Road Loop</i>	Division/Old Kings Rd/Nova loop	multi-use trail
	<i>Sanchez Trail</i>	North Ridgewood/North Yonge	bike/ped
	<i>S.R.40 Trail</i>	Country Acreage Rd to John Anderson Dr	bike/ped
	<i>The Beach Trail</i>	Shoreline (Ormond Beach)	bike/ped
	<i>Thompson Creek Trail</i>	Thomson Crk/Yonge (Division to Sanchez)	multi-use trail
	OB pedestrian	<i>Beach St</i>	Arroyo Pkwy to Division Ave
<i>Benjamin Drive</i>		John Anderson Drive to SRA1A	ped
<i>Division Ave</i>		Nova Rd to Orchard St.	ped
<i>John Anderson Dr</i>		SR40 North to City Limits (Plaza Dr)	ped
<i>Lincoln Ave.</i>		US1 to Beach St.	ped
<i>Nova Rd</i>		Golf Ave to Hand Ave	ped
<i>Ocean Terrace</i>		John Anderson Drive to SRA1A	ped
<i>Orchard St.</i>		Tomoka Ave to Wilmette	ped
<i>Ponce De Leon Dr</i>		John Anderson Drive to SRA1A	ped
<i>Standish Dr</i>		Halifax Dr to SRA1A	ped
<i>Tomoka Ave.</i>	US1 to Ridgewood Av	ped	
Pierson	<i>CR 3</i>	Emporia Rd to Washington Street	multi-use trail
Ponce Inlet	<i>Atlantic Ave</i>	City limits of Ponce Inlet	bike/ped
Port Orange	<i>6th St.</i>	Herbert to McDonald Rd	bike/ped
	<i>Airport Rd</i>	Roscoe Turner to Anita	bike/ped

	<i>Airport Rd</i>	WatersEdge to Cypress Crk	bike/ped
	<i>Dunlawton</i>	Windsor Hill - Summer Tree	bike/ped
	<i>Dunlawton</i>	Nova Rd. E past Jackson	bike/ped
	<i>FPL Corridor Trail</i>	Clyde Morris to Nova	multi-use trail
	<i>Nova Rd</i>	Madeline to FPL Trail	bike/ped
	<i>Halifax & Ocean Dr</i>	US1 to Dunlawton	bike/ped
	<i>Herbert St</i>	Clyde Morris to Nova	bike/ped
	<i>Herbert St</i>	East of Nova	bike/ped
	<i>Dunlawton Ave</i>	Nova Rd. E past Jackson	bike/ped
	<i>Madeline Av</i>	Nova Rd -Winchester Dr	bike/ped
	<i>Madeline Av</i>	Clyde Morris -Nova Rd	bike/ped
	<i>Madeline Ave ext.</i>	Shunz Rd - E.- Williamson	bike/ped
	<i>Nova Rd</i>	Madeline to FPL Trail	bike/ped
	<i>Nova Rd</i>	Spruce Creek - Pathfinder	bike/ped
	<i>Spruce Creek Trail</i>	Nova to Dunlawton	bike/ped
	<i>Taylor Branch Rd</i>	Taylor Rd to Dunlawton	bike/ped
	<i>Taylor Rd</i>	Clyde Morris to Woodcliff	bike/ped
	<i>Williamson Blvd</i>	Dunlawton to I-95	bike/ped
	<i>Williamson Ext</i>	Turnbull Bay to Oak Water	bike/ped
South Daytona	<i>US1</i>	City Limits of South Daytona Beach	bike/ped
Volusia County (Multi-jurisdictional)	<i>Spring to Spring Trail</i>	(see map per Volusia County)	multi-use trail
	<i>The Lake Monroe Loop</i>	(see map per Volusia County)	multi-use trail
	<i>Kings Highway Heritage Trail</i>	(see map per Volusia County)	multi-use trail
	<i>Cross Volusia Trail</i>	(see map per Volusia County)	multi-use trail
	<i>Worlds Most Famous Beach Trail</i>	(see map per Volusia County)	bike/ped
	<i>East Coast Greenway</i>	(see map per Volusia County)	multi-use trail
	<i>SR 40</i>	(see map per Volusia County)	multi-use trail
	<i>SR 415</i>	(see map per Volusia County)	multi-use trail
	<i>Enhanced Bike/Ped Facilities</i>	(see map per Volusia County)	bike/ped
	<i>School Paths</i>	Limits not defined (safe pathways to schools)	bike/ped
	<i>East Coast Rail Trail</i>	FEC -Rail Corridor	multi-use trail

VOLUSIA COUNTY TRAILS PLAN

PROPOSED TRAILS NETWORK



PREPARED BY VOLUSIA COUNTY LEISURE SERVICES, MARCH 2004

Volusia County MPO/FDOT/Volusia County

Funded Bicycle and Pedestrian and Pedestrian Projects FY -03/04 to 07/08

Description	From	To
AIRPORT RD	STERLING CHASE DR	SPRUCE CREEK BRIDGE
AIRPORT RD	PINE TRAIL ELEM SCHOOL	SUNSHINE BLVD
ATLANTIC AV S.	PONCE INLET TOWN LINE	MARCELLE AV
ATLANTIC AV S.	OCEAN WAY DR	PONCE INLET TOWN LINE
BIG TREE RD	GOLFVIEW BLVD	US 1
BLUE SPRINGS AV	REDWOOD AV	SPARKMAN AV
BLUE SPRINGS AV	SPARKMAN AV	LEAVITT AV
CARDINAL BLVD	MARCELLE AV	DUNLAWTON AV
CARPENTER AV	BLUE SPRINGS AV	FRENCH AV
CHURCH ST	GARFIELD AV	BOSTON AV
CLYDE MORRIS BLVD	MASON AV	BILL FRANCE BLVD
CLYDE MORRIS BLVD	BILL FRANCE BLVD	LPGA BLVD
COMMONWEALTH BLVD	CHRISTIANCY AV	US 1
COMMONWEALTH BLVD	ISABELLE AV	CHRISTIANCY AV
DIVISION ST	STONE ST	ADELLE AV
DIVISION ST	GARFIELD AV	BOSTON AV
DIXSON ST	SPARKMAN AV	CARPENTER AV
DR MARTIN L. KING JR BTWY	ORANGE CAMP RD	TAYLOR RD
ENTERPRISE RD	SAXON BLVD	US 17/92
FAULKNER ST	WAYNE AV	US 1
FOX PL	JEFFERSON AV	HALIFAX DR
GARFIELD AV	NEW HAMPSHIRE AV	BERESFORD AV
GRAVES AV	FLORABUNDA CIR	MONASTERY RD
GRAVES AV	MONASTERY RD	VETERANS MEMORIAL PKWY
GRAVES AV	VETERANS MEMORIAL PKWY	I-4
HAND AV	CLYDE MORRIS BLVD	SHANGRI LA DR
HAND AV	WILLIAMSON BLVD	CLYDE MORRIS BLVD
HERBERT ST	CLYDE MORRIS BLVD	CARYA CIR
HILES BLVD	SAXON DR	SR A1A
HOWLAND BLVD	HILLVIEW CIR	PROVIDENCE BLVD
HOWLAND BLVD	CENTER RD	KUMPULA DR
HOWLAND BLVD	KUMPULA DR	HILLVIEW CIR
HOWLAND BLVD	AUSTIN AV	CENTER RD
HOWRY AV	AMELIA AV	ARLINGTON ST
HUBBARD AV	STONE ST	ADELLE AV
HUBBARD AV	ADELLE AV	DELAWARE AV
IRIS DR	US 17/92 (VOLUSIA AV)	JUNIOR ST
LAKE HELEN OSTEEEN RD	FLINT LN	PINE TREE ACRES LN
LPGA BLVD	CENTER ST	STATE AV
MASON AV	BILL FRANCE BLVD	DERBYSHIRE RD
MILLER RD	SR 44 (NEW YORK AV)	WISCONSIN AV
NORTH DIXIE FREEWAY-US1	INDUSTRIAL PARK AV	INLET SHORES DR
OLD DAYTONA RD	MARSH RD	KEPLER RD
PARK AV	AIR PARK RD	DALE AV
PARSONS AV	CAROLINA AV	HOWRY AV
PLYMOUTH AV	MARJORIE RAWLINGS DR	SR 15A
S. ATLANTIC AV	3RD AV	FLAGLER AV
SPARKMAN AV	OHIO AV	FRENCH AV

Volusia County MPO/FDOT/Volusia County
Funded Bicycle and Pedestrian Projects FY - 03/04 to 07/08

Description	From	To
<i>SPRING TRAILS (PH II)</i>	LAKE MONROE PARK	DIRKSEN DR
<i>SR A1A</i>	SANDPIPER RIDGE DR	FLAGLER COUNTY LINE
<i>SUNSET DR</i>	ROCCO PARK / SOUTH ST	CONRAD DR
<i>SUNSET DR</i>	TURNBULL BAY RD	ROCCO PARK
<i>TAYLOR RD</i>	BLUE LAKE AV	DR MARTIN L. KING BLVD
<i>TURNBULL BAY RD</i>	FAIRGREEN AV	TURNBULL ST
<i>US 17/92 (VOLUSIA AV)</i>	MILLER RD	ELM DR
<i>VOORHIS AV</i>	ORANGE AV	CLARA AV
<i>WALLACE RD</i>	WINN DIXIE	PIONEER TR / ENTERPISE AV
<i>WILLIAMSON BLVD</i>	BELLEVUE AV	US 92
<i>WILLIAMSON BLVD</i>	NORTH OF HAND AV	THEATRE ENTRANCE (S. OF SR 40)

(per GIS coverage for Volusia County Adopted Five Year Road Program -Sidewalks FY 03/08)

Newly Funded FDOT Bike/Ped Projects - FY 03-09

Description	From	To
<i>Alabama Av Trail</i>	Beresford Av	Wisconsin Av
<i>Leavitt Ave Sidewalk</i>	Blue Springs Ave.	Rhode Ave.
<i>Seneca St Sidewalk</i>	US 92	George Engram Blvd
<i>Lake Monroe Bike/Ped Facility</i>	Providence	Garfield
<i>Spring to Spring Phase IIA</i>	Sunrise Blvd.	Mansion Blvd

(per FDOT work program - FY 03/09)

East Central Regional Rail-Trail – Acquisition funded by OGT

Description	Mode
<i>Rail Trail</i>	Multi-Use/Bicycle/Pedestrian

Per MPO December 2002 BPTF Workshop - "Desired Facilities"
(GIS coded 12/02 by BW)

Description	From	To	Type
Airport Road	Pioneer Trail	Taylor Road	Paved Shoulder
Cooper Street Bike Connector	Flagler Avenue	Oakwood	Multi-use Trail
Grade Separated Crossing US 1	Herbert	Herbert	Bridge
Howland-Activity Center Trail	Activity Center DRI	Providence	Multi-use Trail
Kepler Road	US 92	SR 44	Paved Shoulder
Lake Ashby Park Trail	Lake Ashby Park	SR 415 Trail	Multi-use Trail
Madeline West Connector	Grove View	Williamson	Multi-use Trail
Minnesota Avenue	Blue Lake	Kepler	Paved Shoulder
New Smyrna Bike Connector	8' bike facility	Old Mission Road	Multi-use Trail
New Smyrna Bike Connector	10th street	Old Mission Road	Multi-use Trail
New Smyrna Bike Connector	Turnbull Bay	Turnbull Bay	Muti-use Trail
North Atlantic	Flagler Avenue	Crawford Road	Bike Lanes
Orange Camp Road	US 17-92	CR 4139	Paved Shoulder
Pioneer Trail	SR 44	I-95	Paved Shoulder
Plymouth Avenue Trail	SR 15A	Jacobs Dairy Road	Multi-use Trail
Providence -City Hall Trail	City Hall	Howland	Multi-use Trail
S.Peninsula Drive	SR 44_A1A	Flagler Avenue	Bike Lanes
Saxon Blvd	SR A1A	Sea Mist	Sidewalk
SR 15 A	US 17-92	SR 44	Paved Shoulder
SR 415 Bike to Beach Trail	SR 46	SR44	Multi-use Trail
Taylor & Dunlawton	Taylor	Dunlawton	Intersection Design
US 17/92 Intermodal Trail	Graves Avenue	Euclid Avenue	Multi-use Trail
Willow Run	Chardonnay	Williamson	Multi-use Trail
Yorktown Extension	Dunlawton	Taylor	Multi-use Trail
Yorktown North	Yorktown	Willow Run	Multi-use Trail

Other Data Sources

GIS / Spreadsheet Data

City of New Smyrna Beach – *GIS inventory of existing and planned facilities*
Ormond Beach - *GIS inventory of existing and planned facilities*
City of Port Orange – *GIS inventory of existing and planned facilities*
TransCore – *GIS inventory data collection by TransCore staff .*
Volusia County Public Works - *GIS Adopted Five Year Road Program – Sidewalks (03/04-07/08)*
Volusia County MPO – *Desired bike/ped pathways per 12/02 BPTF Workshop*
Volusia County Leisure Services - *Volusia County Trails Plan GIS coverage (March 2004)*

Reports/Lists

Transportation Improvement Program (03/04 -07/08), Volusia County MPO
Transportation Improvement Program DRAFT - (04/05 -08/09), Volusia County MPO
VCMPO Bike/Ped Task Force List of Bicycle & Pedestrian Projects (2003), Volusia MPO
Bicycle Facilities Network Master Plan - City of New Smyrna Beach
Volusia County Trails Plan Map (March 2004), Volusia County Leisure Services
Plans/Maps/Reports/Comments from City/County and Committee staff per their review of maps and tables.

TransCore – VCMPO Bicycle/Pedestrian Element (May-2000)

Sidewalk and bike path inventory (CAD map, date not provided), City of Daytona Beach
Proposed Pedestrian Facilities (date not provided), City of Daytona Beach Shores
Sidewalk Master Plan (set of plans, September 1992), City of DeLand
Proposed Intermodal Terminal and Bike Route (map, date not provided), City of DeLand
Five- and Ten-Year Bike Path / Sidewalk Master Plan (February 1995), City of Edgewater
Comprehensive Plan (date not provided), bicycle and pedestrian policies & objectives, City of Holly Hill
Sidewalk Map (August 1997), City of New Smyrna Beach
Five-Year Sidewalk Capital Improvement Projects (FY 1998 – 2003, March 1999) of Ormond Beach
Year 2010 Comprehensive Plan Bicycle Paths (map, August 1989), City of Ormond Beach
Sidewalk Planning Map (July 1998), Town of Ponce Inlet
Comprehensive Plan Update (map with bike paths, date not provided), City of Port Orange
Existing Bikeways, Gaps in System maps (December 1998), City of South Daytona

Hand drawn maps completed per TransCore Study - (2000):

City of Daytona Beach – Rick Prioletti, Traffic Engineering Department
City of Daytona Beach Shores – Walter Geiger, Planning Office
City of New Smyrna Beach – Tom Harowski, Development Services
Town of Ponce Inlet – Bob Keeth, Volusia County MPO

V. Implementation of the Plan:

The BPTF approved the *Draft - VCMPO Bicycle and Pedestrian Plan Map* on April 14, 2004 to be forwarded to the TCC, CAC and the MPO Board for review and adoption. **The map is being updated to include Flagler Beach and Beverly Beach bicycle and pedestrian projects.**

The BPTF shall continue to implement and update the VCMPO Bicycle and Pedestrian Plan as updates as required and directed to. The committee will continue to assist in promoting, developing and implementing improvements for pedestrian and bicycle facilities such as sidewalks, bike lanes, pathways and trails. Installing safe pedestrian crossings, addressing ADA issues and providing safe routes to schools through coordinated planning efforts will be addressed. Projects will continue to be identified and updated based on approved criteria and funding opportunities will continue to be researched and identified and applied for.

At the *March 10, 2004* BPTF meeting the BPTF members approved the following mission statement and goals.

BPTF Mission Statement:

“Create and implement a regional plan for the continuing enhancement and expansion of the bicycle and pedestrian network. We will support activities that encourage and provide for a safe and balanced transportation system that promotes connectivity, mobility, health and an improved quality of life.”

BPTF Goals:

Plan Implementation:

- ❖ To identify and map existing and proposed facilities.
- ❖ To develop a prioritized list of projects into a MPO wide implementation program for improving the bicycle and pedestrian network.
- ❖ To formulate, review and identify opportunities for the use of alternative transportation modes.
- ❖ To encourage the implementation of uniform design standards.
- ❖ To recommend funding/implementation strategies.
- ❖ To promote coordination among governmental and non-governmental agencies as well as other organizations to implement the mission.
- ❖ To provide for the safety of all users and conform to ADA standards.

Community Outreach/Public Awareness and Safety:

- ❖ To promote an ongoing education program that will raise awareness, encourage a heightened recognition of safe practices, and improve perceptions and attitudes of motorists, pedestrians, and cyclists.
- ❖ To promote the importance of bicycle and pedestrian mobility for transportation, recreation, health and wellness.
- ❖ To promote coordination among governmental and non-governmental agencies as well as other organizations to foster public awareness and safety.
- ❖ To cultivate partnerships that assist in the funding, planning, development, and implementation of the community outreach, public awareness, and safety programs.
- ❖ To promote the enforcement of existing traffic laws as related to bicycle and pedestrian safety.

The committee members will review, monitor, and implement the mission and goals of the committee as approved by the MPO Board.

The *proposed* Bicycle Pedestrian Advisory Committee (BPAC) By-laws as approved by the BPTF on June 9, 2004 will be forwarded to the TCC/CAC and MPO Board for review.

APPENDIX

Bicycle and Pedestrian Plan Ranking Criteria for all Bicycle/Pedestrian Facilities

Criteria Definitions

For any proposed facility to be considered eligible for matching funds through the MPO process, the project **MUST** be included on the MPO's Bicycle Pedestrian Task Force's *Eligible Projects Group A List*. Any project submitted by a local government for Group A list consideration needs to meet the following criteria.

Initial Screening Criteria

- Sidewalks and paved shoulders will only be considered for ranking if they are located on collectors and arterial roadways identified in the local Comprehensive Plan.
- Only those local streets making important on-road or corridor connections will be considered.

Ranking Criteria for Priority Projects

Criteria Summary

Priority Criteria	Points
(1) Connections to Community Assets	40
(2) Connections to Other Bicycle/Pedestrian Facilities	40
(3) Special Considerations	20
<u>Total</u>	<u>100</u>

Is this multi-use trail at least 10 feet wide?

- If **Yes** – the project can be ranked & prioritized.
- If **No** – if this project is at least **5** feet wide then it may be eligible to be submitted as a sidewalk project.

Is this sidewalk at least 5 feet wide?

- If **Yes** – the project can be ranked & prioritized.
- If **No** – the project application is rejected.

Will this facility meet or exceed current FDOT design guidelines for on-road bike lanes and paved shoulders for the given roadway cross-section?

- If **Yes** – the project can be ranked & prioritized.
- If **No** – the project application is rejected.

Only new facilities will be considered for funding. A new facility can be a redesign and construction of an old facility in order to meet new ADA codes, accommodate new users and/or more people. The old facility must be removed completely and replaced with the new facility. Retrofit projects are not eligible for review and funding.

Ranking Criteria

The following evaluation criteria will be used in reviewing submissions for Group A List eligibility and ranking for all facility types. Facilities will be reviewed and scored within each facility category. Multi-use trails will be evaluated and compared against other multi-use trails, sidewalks against sidewalks and so forth. The top 10 scoring projects in each category will be placed on the A List. Those not making the A List will be placed at the top of the B list. Top ranked B list projects can move into the A List as A List projects are funded.

(1) Connections to Community Assets and the Population Served by those Assets (40 pts)

(Population served is defined as the users who will use the facility, such as school children attending DeBary Elementary School, library patrons at City Island Library or shoppers at the Volusia Mall. Also include whether the population is primarily local, regional or has a national draw).

List how the facility links directly to community assets and who will be served by the facility. If the facility requires a link to connect to the assets please show the linkages on the project area map. Please show the facilities on the facility map.

- **Schools & Universities**
- **Parks & Natural areas**
- **Community Centers/Libraries**
- **Town Centers/Activity Centers**
- **Volusia County ECHO (Ecological, Cultural, Historic Outdoor) Assets**

(2) Connections to Other Bicycle/Pedestrian and Intermodal Facilities (40 pts)

What types of linkages does this project make?

Describe how this project fits into the local and regional bicycle/pedestrian networks. If the project fills a gap in the network, please show this on the map. If it is part of a long range plan, please show how it fits into the plan. You can demonstrate connectivity to un-built, but planned facilities.

Facility Type
Local sidewalk/ bike path/trail network
Cross County Multi-use Trails Network
Regional /State Multi-use Trails Network
Arterial/collector road with on-road facility
Intermodal Facilities, transit stops, bus stops

(3) Special Considerations (20 pts)

Project addresses public health, welfare and safety. This criterion could include intersection designs with roads, other trails, and sidewalks.

Application Submittal Procedures

All local governments are limited to three (3) priority project applications for the Pilot Program.

- Each Priority Project submitted by a local government for consideration on the Group A list will be limited to a two (2) page description using 12 point font and 1 inch margins.
- The project should be described using the submitted evaluation criteria identified previously. Answer each of the three questions in order for each project.
- Provide 2 maps per project. One map needs to show the projects starting and ending points, the linkages it makes and the direct connections to the community assets, such as a school, park or activity center. The second map needs to show the project in a larger scale where the BPTF can see the regional context of the project. Each map should be no larger than 11x17.
- A total of 30 copies per project MUST be submitted to the MPO by 12:00 PM, May 21, 2003. The MPO will then distribute the copies to the Bicycle and Pedestrian Task Force for ranking.