



LEE COUNTY W I D E
Bicycle & Pedestrian
SAFETY ACTION PLAN

September 2013



Bicycle Pedestrian Safety Action Plan Purpose

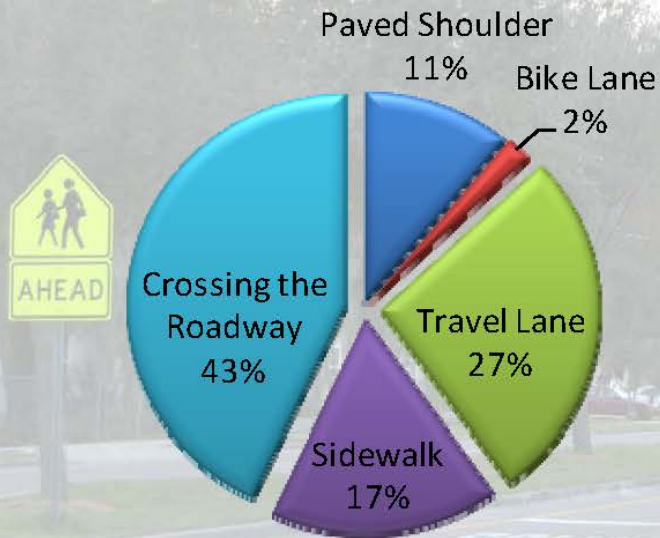
Identify actions needed to reduce pedestrian and bicycle fatalities and serious injuries in Lee County

- *Goal – Reduce pedestrian and bicycle and fatalities and severe injury crashes on an annual basis measured by a per capita rate (per population):*

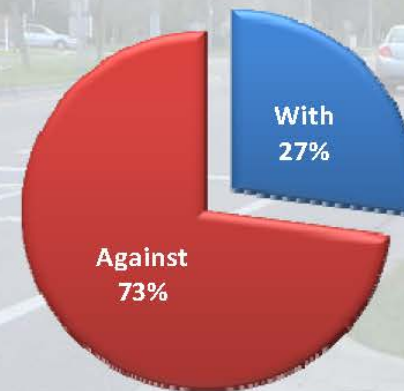
Crash Attribute: Bicycle Direction/Impact Location

The majority of all reported bicycle crashes occur when a bicyclist is crossing a road. This can be attributed to a combination of factors such as wrong way riding, vehicles not coming to a complete stop at intersections and distracted driving.

Bicycle Crashes by Impact Location (2007-2010)

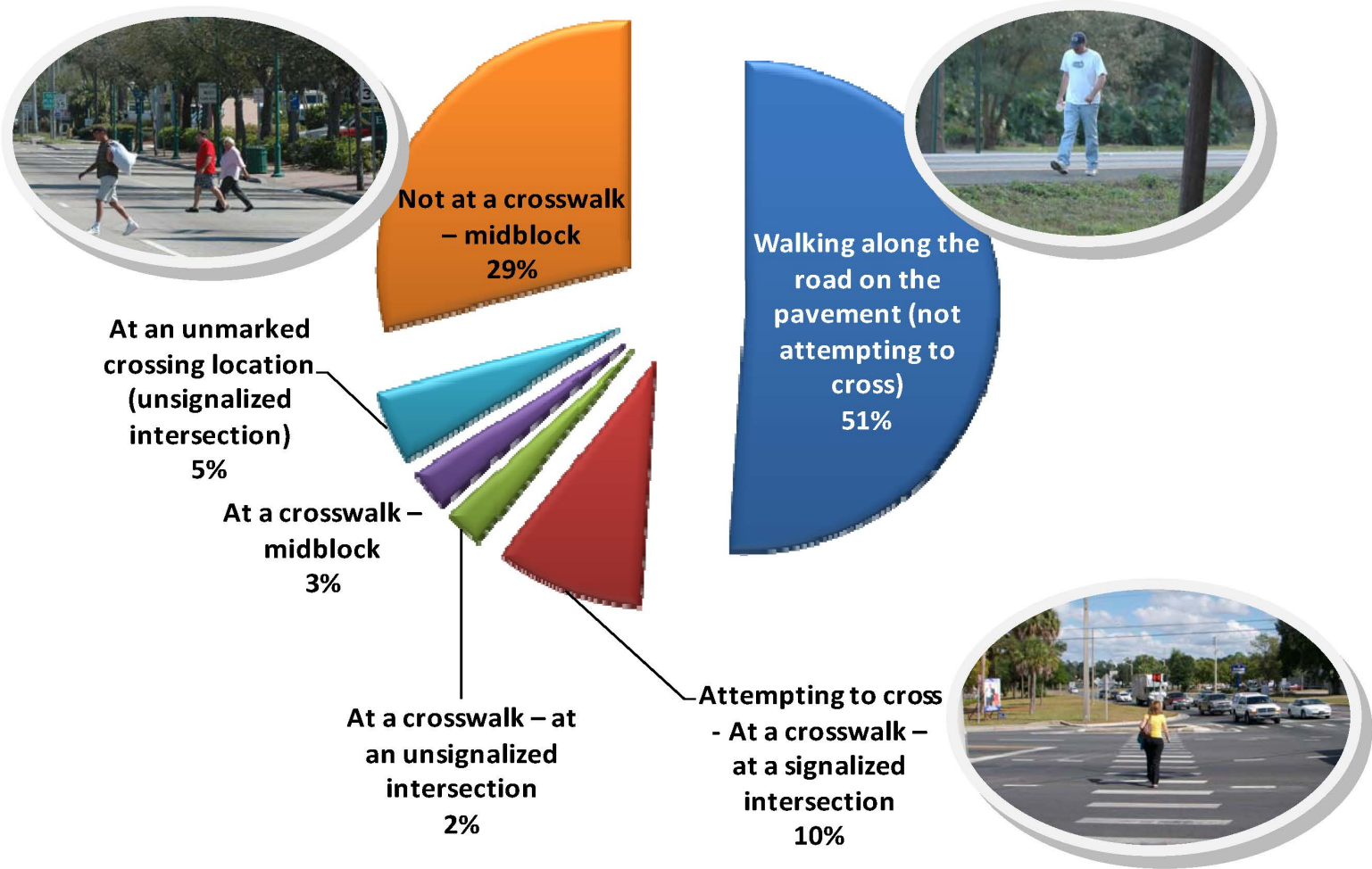


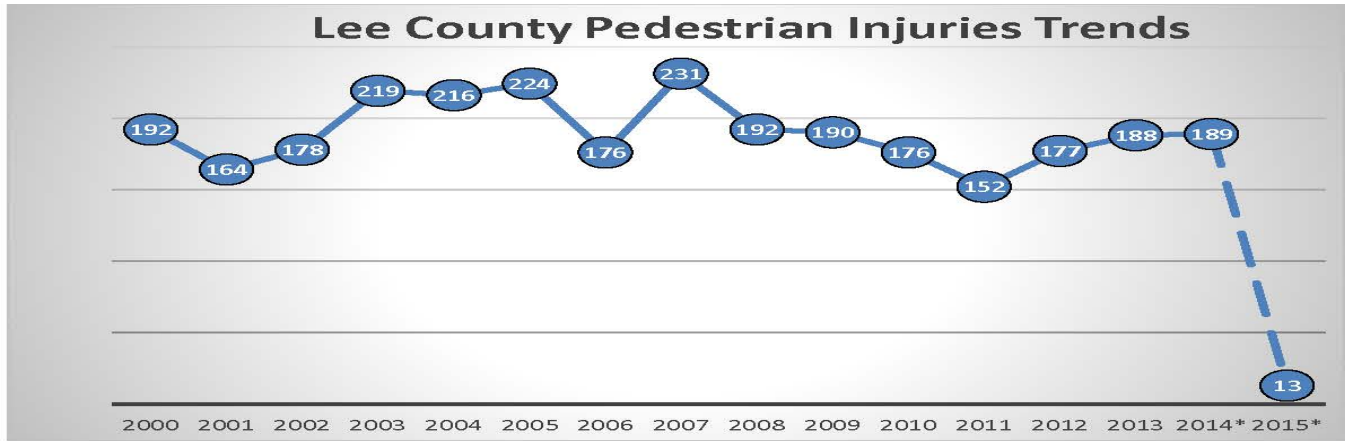
Bicycle Crashes by Bicycle Direction (2007-2010)



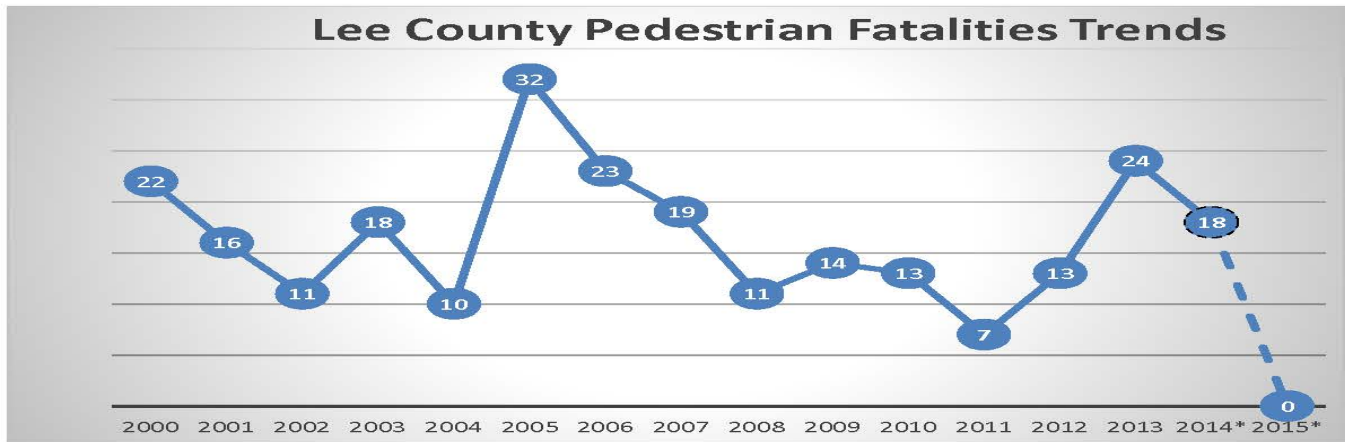
Crashes by Pedestrian Action (2006-2010)

Half of all reported pedestrian crashes occur when a pedestrian is attempting to cross the roadway. Of those crashes, most occur mid-block. Half of all pedestrian crashes occur when a pedestrian is walking along the roadway.

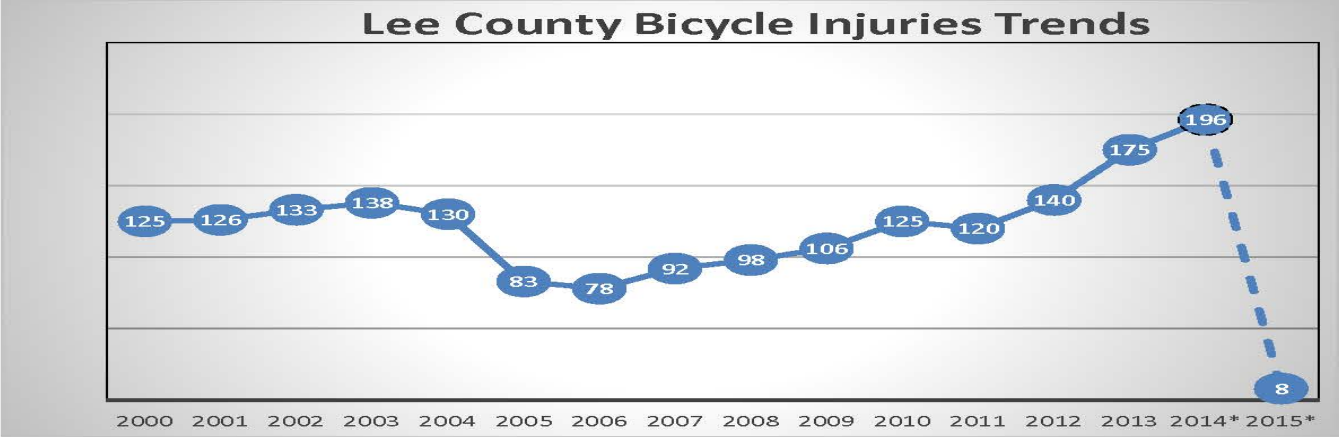




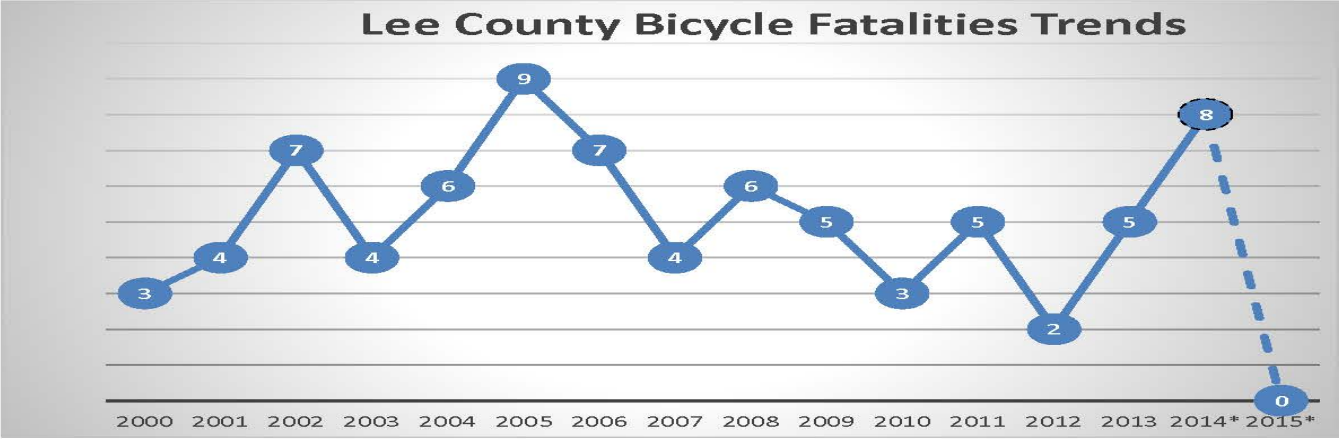
*Preliminary data as of January 13, 2015
 -Signal Four Analytics/Lee MPO



*Preliminary data as of January 13, 2015
 -Signal Four Analytics/Lee MPO



*Preliminary data as of January 13, 2015
 -Signal Four Analytics/Lee MPO



*Preliminary data as of January 13, 2015
 -Signal Four Analytics/Lee MPO

Action Items

The following table below presents Action Items with expanded key details including the **lead agency/partner** expected to champion each action, the **estimated amount of time** required to complete or significantly address the action, a potential suggested **funding source**, and an **estimated cost** if applicable. Full descriptions of each action item were presented on pages 7–9.

	Short Description	Lead Agencies/Partners	Estimated Time Frame	Funding Source	Estimated Cost
1	Develop a Press Kit.	Lee County MPO and law enforcement agencies with support from other stakeholders	Within One Year	In-house and grant funded	\$5,000 initially + Minor maintenance
2	Develop an education outreach campaign.	FDOT, Lee County MPO, Stay Alive...Just Drive, Cape Coral, BikePed, BikeWalkLee, and Injury Prevention Coalition	Within One Year	FDOT/CTST support	\$300,000
3	Re-energize and empower the Lee Community Traffic Safety Team (CTST).	FDOT, CTST, with support from MPO and participation from all stakeholders	Within One Year & Ongoing	In-house	N/A
4	Establish a Process for Crash Data Reporting and Distribution.	LeeDOT, FDOT, CTST, MPO, with support from all stakeholders	Within One Year & Ongoing	In-house with possible additional support (board approval)	Minimal initially + possible additional support
5	Measure progress on an annual basis.	Lee County MPO	Within One Year & Ongoing	In-house task	Minimal
6	Undertake Bicycle & Pedestrian Road Safety Audits (RSA) on high-crash corridors.	FDOT, CTST, Lee County MPO with participation and support from all stakeholder agencies	Within One Year & Ongoing	Requires board approval	Up to \$15,000 per corridor
7	Implement a strong law enforcement program.	Lee County MPO, FDOT, Law Enforcement Agencies	Within One Year & Ongoing	FDOT	Varies
8	Provide free bicycle lights for stakeholders to distribute.	Lee County MPO, FDOT, Law Enforcement Agencies	Within One Year & Ongoing	CTST & local agencies	Minimal cost per light
9	Adopt design standards for right-turn channelization.	Lee County, City of Fort Myers, City of Cape Coral, FDOT	Within Two Years	In-house	Minimal
10	Revise design standards for arterial intersection design.	Lee County, City of Fort Myers, City of Cape Coral	Within Two Years	In-house	Minimal
11	Develop and utilize project design review checklist.	Lee County MPO, Lee County, City of Fort Myers, City of Cape Coral, FDOT	Within Two Years	MPO	\$15,000
12	Develop a policy for pedestrian signal accommodation at signalized intersections	Lee County, City of Fort Myers, City of Cape Coral, FDOT	Within Five Years & Ongoing	In-house task	Minimal
13	Adopt design standards for pedestrian crossings at transit stops.	Lee County MPO, LeeTran, FDOT	Within Five Years	In-house task	N/A
14	Implement enhanced safety/design techniques on high-crash corridors.	Lee County, City of Fort Myers, City of Cape Coral	Within Five Years	In-house	Minimal
15	Identify potential corridors for "road diets."	FDOT, Lee County, City of Fort Myers	Within Five Years & Ongoing	In-house	Minimal
16	Incorporate pedestrian and bicycle design improvements into 3R.	Lee County, City of Fort Myers, City of Cape Coral, FDOT	Within Five Years & Ongoing	Requires board approval	Minimum of \$200,000 annually
17	Engage judiciary in the safety discussion.	Lee County MPO, Stay Alive...Just Drive, Cape Coral, FDOT, BikePed, BikeWalkLee, and Injury Prevention Coalition	Within Five Years & Ongoing	Local activist groups	Minimal
18	Review all previously created bicycle/pedestrian plans to incorporate a safety component.	Lee County MPO, Lee County, City of Fort Myers, City of Cape Coral	Within 5 Years & Ongoing	In-house	Minimal



Status of Bicycle Pedestrian Safety Action Plan (BPSAP) Recommendations

Develop Press Kit

- Not started due to low amount of initial authorization – budget now in place and we can proceed

Incorporate Pedestrian and Bicycle Design Improvements Into 3 R Project

- Discussed but have not identified funding that would supplement this effort – during LRTP development is time to include if wanted

Re-energize Community Traffic Safety Committee (CTST)

- CTST discusses safety issues, conducts field reviews and develops safety action list – trying to increase their visibility and help through peer review

Status of Bicycle Pedestrian Safety Action Plan (BPSAP) Recommendations

Develop Educational Outreach Campaign

- Numerous agency events include health fairs, educational courses, presentations, media events, educational bike rides, bike rodeos and educational/enforcement details
- Example of events include Streets Alive, Safe Kids, Walk to School, Drug House Odyssey, St Francis Safety Day, Safety Committee Meetings
- Agencies involved include the DCF, Lee County Parks & Rec, LCSO, MADD, Stay Alive...Just Drive, Lee EMS, FMPD, Lee Co. Health Dept., Lee Memorial Trauma Center, Injury Prevention Council, Cape Coral Police Dept, Lee MPO, BikeWalkLee, FHP, FDOT, AAA, Bike Ped Matters
- Over 250 events listed for the last year
- Development of Public Service Announcements, Billboards etc.

Status of Bicycle Pedestrian Safety Action Plan (BPSAP) Recommendations

Crash Data Reporting

- MPO uses Signal 4 and FIRES to analyze crash data and reports bicycle/pedestrian fatalities and injuries on a periodic basis (produce maps, graphs and spreadsheets)

Implement Enhanced Safety/Design Techniques on High Crash Corridors

- US 41 corridor from Winkler to Victoria and Estero Boulevard

Identify Potential Corridors for Road Diets

- Old US 41 in Bonita, Lafayette in CRA and Current Long Range Plan includes several corridors that have been changed – Buckingham, Winkler, Sandy, Crystal and Alabama

Status of Bicycle Pedestrian Safety Action Plan (BPSAP) Recommendations

Implement Strong Law Enforcement Program

- Between the Lee County Sheriff's Office, Florida Highway Patrol, Fort Myers Police Department and the Cape Coral Police Department there have been 53 bicycle and ped education/enforcement details conducted last year
- Enforce traffic laws protecting bicyclists and pedestrians but also raise awareness and overall education to drivers, bicyclists and pedestrians
- Enforcement issues – Riding against traffic, wearing headphones while operating and faulty/no safety equipment
- Education items – crossing in well lit areas/crosswalks, following traffic control devices, bike lights and making drivers aware of bike/ped use on sidewalks and in crosswalks

Status of Bicycle Pedestrian Safety Action Plan (BPSAP) Recommendations

Implement Strong law Enforcement Program (Continued)

- Training of officers – roll call training video and certified bicycle officers
- High visibility grant funding for pedestrian/bicycle education and enforcement (received by LCSO earlier last year and Cape end of 2014 for use this spring)

Status of Bicycle Pedestrian Safety Action Plan (BPSAP) Recommendations

Road Safety Audits (RSA)

- FDOT/MPO conducted four intersection RSAs that were identified from the BPSAP
- CTST conducted 6 bicycle/pedestrian safety reviews
- FDOT conducted RSA for US 41 from Winkler to Martin Luther King

Provide Bike Lights for Distribution and Installation

- Lights have been distributed as part of the education outreach and enforcement details. Distributed more than 180 bike lights but agencies have requested 1,400 for distribution and installation

Status of Bicycle Pedestrian Safety Action Plan (BPSAP) Recommendations

Engage Judiciary in Safety Discussion

- Attended early coordination meetings on bicycle/pedestrian crash issues and implementing BPSAP

Review Previously Created Bicycle Pedestrian Plans to Incorporate Safety Component

- Updating/developing several plans over the next two years, including City of Cape Coral and Fort Myers Beach

Develop a Policy for Pedestrian Signal Accommodation at Signalized Intersections

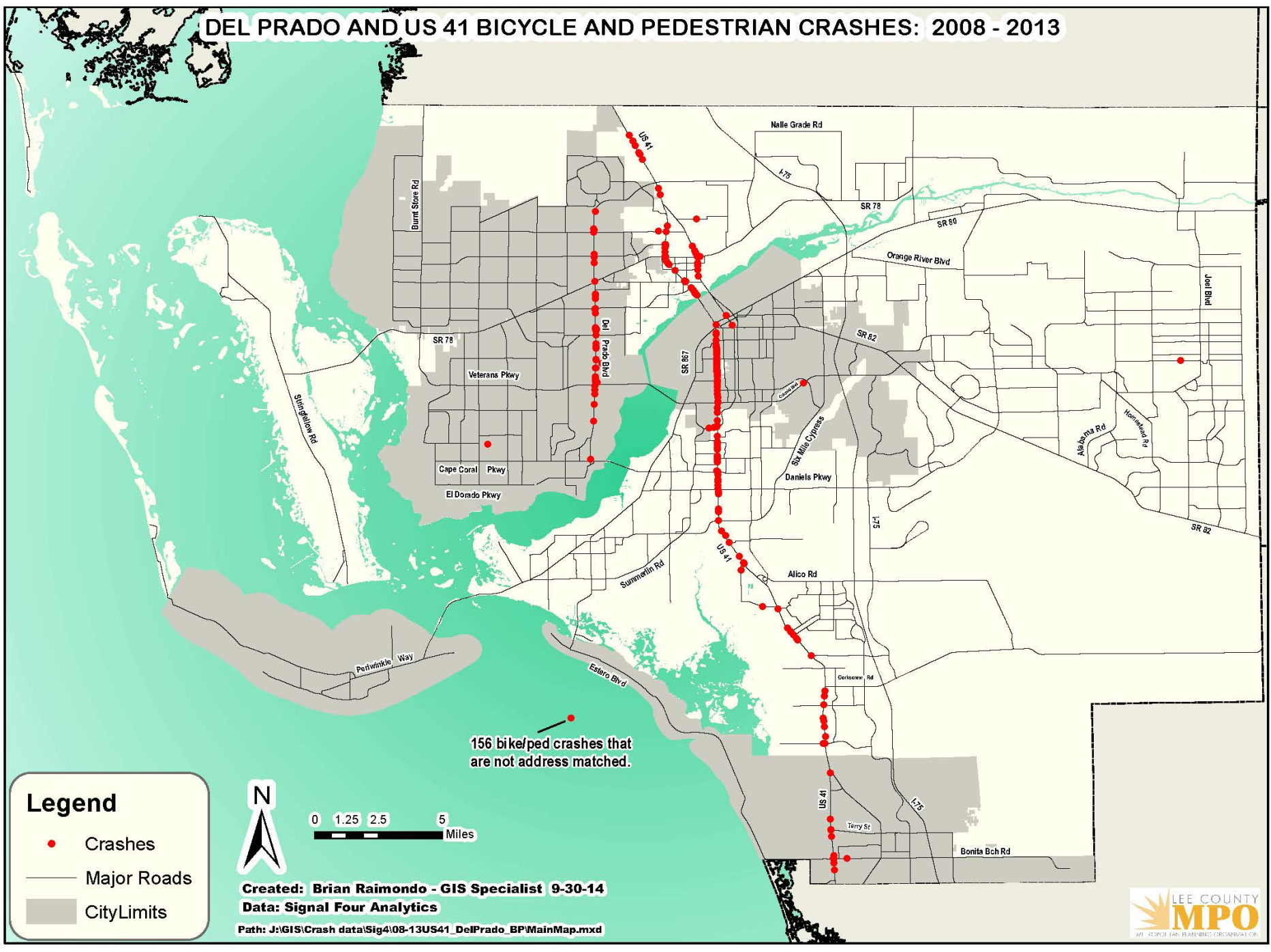
- Discussed issue but have not attained a resolution

Status of Bicycle Pedestrian Safety Action Plan (BPSAP) Recommendations

Action Items not started yet:

- Adopt Design Standards for Pedestrian Crossing at Transit Stops
- Adopt Design Standards for Right Turn Channelization
- Revise Design Standards for Arterial Intersection Design
- Develop and Utilize a Project Design Review Checklist

DEL PRADO AND US 41 BICYCLE AND PEDESTRIAN CRASHES: 2008 - 2013



156 bike/ped crashes that are not address matched.

Legend

- Crashes
- Major Roads
- CityLimits

N

0 1.25 2.5 5 Miles

Created: Brian Raimondo - GIS Specialist 9-30-14
Data: Signal Four Analytics
Path: J:\GIS\Crash data\Sig4\08-13US41_DelPrado_BPMainMap.mxd

Construction of Bicycle Pedestrian Facilities

Over the next five years from state and federal sources (does not include facilities that are being constructed as part of widening and resurfacing projects):

- Designing/Constructing 58 miles of sidewalks/pathways
- Designing/Constructing over 9 miles of bike lanes/paved shoulders
- Planning/PD&E for 13 miles of off road pathways



*Questions
or
comments?*