PROJECT TIMELINE

March 2015
• Obtained $20K FHWA Pilot Grant

April-Oct 2015
• Identified Counter Locations

October 2015
• Purchased 2 Counter Sets (6 each, 12 total)

November 2015
• Deployed Counters

April 2016
• Conclude Pilot, Summarize and Report Preliminary Findings
PURPOSE & GOALS

Short term
• Analyze traffic patterns
• Identify deficiencies in transportation system
• Expand data collection system

Mid term

Long term
• Evaluate impact of projects
• Inform future design, planning, prioritization, and maintenance decisions
HOW IS DATA CAPTURED?

**City:** West Palm Beach, FL  
**Location:** South Rosemary Ave, near Okeechobee Blvd

**City:** Delray Beach, FL  
**Location:** East Atlantic Ave, near NE 3rd Ave

**PYRO - BOX**

**PNEUMATIC TUBES**
MAP OF ALL COUNT LOCATIONS
North County

Legend:
- Count Location IDs
- Roads:
  - Limited Access
  - Arterial
  - Collector
  - County Boundary
  - Water
- Count Zones:
  - Zone 1
  - Zone 2
  - Zone 3
  - Zone 4
  - Zone 5
  - Zone 6

Locations:
- Lake Okeechobee
- Glades Inset
MAP OF ALL COUNT LOCATIONS
South County
BIKE COUNT ACTIVITY
North County

- 36 stations counted to date
  - Weekly (30)
  - Monthly (6)
BIKE COUNT
ACTIVITY
South County

Total Hits | Total Days Counted | Daily Average
---|---|---
5,041 | 456 | 11.05

LEGEND
Bicycle Count Averages
- 1 - 5
- 6 - 10
- 11 - 25
- 26 - 35
- 36 - 45

Roads
Limited Access
Arterial
Collector
County Boundary
Water
# Highest Average Cyclist Activity

<table>
<thead>
<tr>
<th>Rank</th>
<th>Station ID</th>
<th>Jurisdiction</th>
<th>Peak Day</th>
<th>Date</th>
<th>AM Peak</th>
<th>Count</th>
<th>PM Peak</th>
<th>Count</th>
<th>Site Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>207.4B</td>
<td>West Palm Beach</td>
<td>Saturday</td>
<td>12/12/2015</td>
<td>9:00</td>
<td>6</td>
<td>2:00</td>
<td>10</td>
<td>68</td>
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<td>2</td>
<td>402.4B</td>
<td>Boynton Beach</td>
<td>Thursday</td>
<td>2/11/2016</td>
<td>Both 9 &amp; 10</td>
<td>16</td>
<td>5:00</td>
<td>22</td>
<td>195</td>
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<tr>
<td>3</td>
<td>307.1B</td>
<td>Lake Worth</td>
<td>Thursday</td>
<td>11/12/2015</td>
<td>11:00</td>
<td>6</td>
<td>3:00</td>
<td>8</td>
<td>45</td>
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<tr>
<td>4</td>
<td>102.3B</td>
<td>Jupiter</td>
<td>Sunday</td>
<td>1/10/2016</td>
<td>9:00</td>
<td>9</td>
<td>4:00</td>
<td>4</td>
<td>49</td>
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<tr>
<td>5</td>
<td>412.2B</td>
<td>Boca Raton</td>
<td>Monday</td>
<td>3/1/2016</td>
<td>Both 6 &amp; 7</td>
<td>3</td>
<td>2:00</td>
<td>5</td>
<td>35</td>
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</tbody>
</table>
PED COUNT ACTIVITY
North County

- 32 stations counted to date
  - Weekly (26)
  - Monthly (6)
PED COUNT ACTIVITY
South County

<table>
<thead>
<tr>
<th>Total Hits</th>
<th>Total Days Counted</th>
<th>Daily Average</th>
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</thead>
<tbody>
<tr>
<td>61,440</td>
<td>427</td>
<td>143.89</td>
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</tbody>
</table>

**LEGEND**

Pedestrian Count Averages
- ○ 1 - 50
- ▲ 51 - 100
- ▲ 101 - 200
- ▲ 201 - 300
- ▲ 301 - 500

**Roads**
- Limited Access
- Arterial
- Collector
- County Boundary
- Water

Atlantic Ocean
## Highest Average Pedestrian Activity

<table>
<thead>
<tr>
<th>Rank</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Station ID</td>
<td>412.1P</td>
<td>106.1P</td>
<td>307.2P</td>
<td>307.1P</td>
<td>301.3P</td>
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<tr>
<td>Jurisdiction</td>
<td>Boca Raton</td>
<td>Juno Beach</td>
<td>Lake Worth</td>
<td>Lake Worth</td>
<td>West Palm Beach</td>
</tr>
<tr>
<td>Peak Day</td>
<td>Sunday</td>
<td>Tuesday</td>
<td>Thursday</td>
<td>Sunday</td>
<td>Saturday</td>
</tr>
<tr>
<td>AM Peak</td>
<td>8:00</td>
<td>10:00</td>
<td>11:00</td>
<td>9:00</td>
<td>9:00</td>
</tr>
<tr>
<td>Count</td>
<td>142</td>
<td>95</td>
<td>19</td>
<td>50</td>
<td>57</td>
</tr>
<tr>
<td>PM Peak</td>
<td>10:00</td>
<td>1:00</td>
<td>7:00</td>
<td>2:00</td>
<td>2:00</td>
</tr>
<tr>
<td>Count</td>
<td>109</td>
<td>27</td>
<td>204</td>
<td>53</td>
<td>33</td>
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<tr>
<td>Site Total</td>
<td>2,224</td>
<td>708</td>
<td>19</td>
<td>611</td>
<td>392</td>
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</table>
VARIATION BY AREA TYPE

Daily Pedestrian Averages by Area Type

- Recreational
- Major Commercial
- Minor Commercial
- Schools
- Residential

Daily Bike Averages by Area Type

- Recreational
- Major Commercial
- Minor Commercial
- Schools
- Residential

Area Type by Zoning Designation

- **Recreational Ridership Locations**
  - Preservation / Conservation District (PC)

- **Major Commercial / Office Centers**
  - Commercial High Office District (CHO)
  - General Commercial District (CG)

- **Minor Commercial Centers**
  - Commercial Low Office District (CLO)
  - Neighborhood Commercial District (NCD)
  - Community Commercial District (CC)
  - Commercial Recreational District (CRE)
  - Infill Redevelopment District (IR)

- **Schools / Colleges / Universities**
  - Institutional and Public Facilities District (IPF)
  - Public Ownership District (PO)

- **Residential**
  - Agriculture Residential District (AR)
  - Residential Estate District (RE)
  - Residential Transitional District (RT)
  - Single Family Residential District (RS)
  - Multifamily Residential District (RM)
**NEXT STEPS**

- Count remaining identified locations
- Manually verify counts to confirm accuracy
- Audit program for inconsistencies and improvements

**MAJOR TAKEWAY**

- Consider the amount of error introduced in the process
Questions, Concerns, Insights?

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