**N 15th Street**
- Corridor Overview
- Summary of Crash Data
- Community Outreach Results
- Long-Term Corridor Improvements

**Mango Road**
- Corridor Overview
- Summary of Crash Data
- Community Outreach Results
- Short-Term Corridor Improvements
- Long-Term Corridor Improvements
Mango Road/CR 579
From US 92 to Dr. Martin Luther King Jr. Boulevard
• A north-south corridor between US 92 and Dr. Martin Luther King Jr. Boulevard
• Connection to interstate
• Mixture of land uses including schools, parks, residential, and commercial uses
• Estimated population within a one mile radius: 13,100
• 2-lane undivided roadway with paved shoulder
• Speed limit: 45 MPH
• Daily Traffic: 13,500
• No separated bike facilities
• Continuous sidewalk on the west side
• Non-continuous sidewalk on the east side
• One HART transit stop on south end of corridor
• Fatal Crashes: 1
• Serious Injury Crashes: 20
• 2.3% of crashes involved a pedestrian or bicyclist
• Rear End crashes: 47% of all crashes and 38% of fatal and serious injury crashes
• 43% of fatal or severe crashes occurred during dark, dusk, or dawn conditions
• Serious Injury Crashes: 20
  • Primarily concentrated at intersections along the corridor
• Fatal Crashes: 1
  • Involved a pedestrian
Safety Priorities

- **Intersection**: most frequently ranked

- **Appearance**: least frequently ranked and lowest average rank

- **Traffic Relief**: highest average rank
Preferred Improvements - Pedestrians

- Of all Pedestrians Improvement options, **Sidewalk** had the highest average rank

- **Midblock Crossing** had the lowest average rank of all Pedestrians Improvement options
Preferred Improvements - Bicyclists

- Of all Bicyclist Improvement options, **Paved Trail / Path** had the highest average rank

- **Bike Lanes** had the lowest average rank of all Bicyclist Improvement options

![Bar chart showing preferred improvements for bicyclists]
Preferred Improvements - Intersections

- Of all Intersections Improvement options, **Crosswalks** had the highest average rank

- **Construct Turn Lanes** had the lowest average rank of all Intersection Improvement options

```

<table>
<thead>
<tr>
<th>Improvement</th>
<th>1 Star</th>
<th>2 Stars</th>
<th>3 Stars</th>
<th>4 Stars</th>
<th>5 Stars</th>
<th>Average Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>Traffic Signal Timing</td>
<td>5.9%</td>
<td>12.5%</td>
<td>17.6%</td>
<td>5.9%</td>
<td>64.7%</td>
<td>4.18</td>
</tr>
<tr>
<td>Improve Driveways</td>
<td>6.7%</td>
<td>26.7%</td>
<td>20.0%</td>
<td></td>
<td>46.7%</td>
<td>4.00</td>
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<tr>
<td>Crosswalks</td>
<td>12.5%</td>
<td>18.8%</td>
<td></td>
<td></td>
<td>68.8%</td>
<td>4.31</td>
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<tr>
<td>Construct Turn Lanes</td>
<td>5.9%</td>
<td>17.6%</td>
<td>17.6%</td>
<td>5.9%</td>
<td>52.9%</td>
<td>3.82</td>
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</tbody>
</table>
```
Preferred Improvements - Streets

- Of all Streets Improvement options, **Lighting** and **Maintenance** had the highest average ranks

- **Landscaping** had the lowest average rank of all Streets Improvement options
Preferred Improvements – Bus Service

- Of all Bus Service Improvement options, **School Bus Stops** had the highest average rank

- **Add Stops** had the lowest average rank of all Bus Service Improvement options
Areas of Concern

- 51 total points mapped
  - Majority of points (38) mapped at intersections along the corridor
- Most Safety Concern points were indicated unsafe crossings, narrow sidewalks, and unsafe vehicles nearby
- Project Idea points indicated ideas for new sidewalk and intersection improvements

"Needs sidewalk on east side."
"Installing crosswalk for pedestrians to cross."
"Road needs curb to make bikes and walkers on sidewalk feel safe."
"Need a turn lane to go into shopping center / school."
One Word | **Today**, Mango Road is....

One Word | My **vision** for Mango Road is....
Roundabout

- At Old Hillsborough Avenue
- Alternative 6 from the CIP LPER Report

- Recommend adding speed feedback signs due to grade change
Mango Road/CR 579

- Maintenance
  - Update pavement markings
- Drainage improvements
- Intersection Improvements
- Traffic Calming
- Lighting
- Pedestrian Improvements
- Landscaping
INTERSECTION IMPROVEMENTS:
MANGO RD from MANGO RIDGE BLVD TO MANGO GROVES BLVD

Raised Medians

IMPROVEMENTS KEY
1 CONCRETE MEDIAN

VISION ZERO
MANGO ROAD
Pedestrian Improvements

- Crosswalks and detectable warnings at all minor streets

- Construct sidewalk along west side of corridor
  
  1. Existing shopping center to Mango Park
  
  2. Mango Boulevard to Old Hillsborough
Corridor Overview

Mango Road/CR 579

• Intersection lighting
  • Upgrade existing lighting at intersections to latest County standards
  • Provide lighting along entire corridor

• Landscaping
  • Short-term priority near park
  • Implement erosion control measures near park
  • Appears vehicles are parking along roadway next to the park
Intersection Improvements:

- US 92 & Mango Road
- Clay Pit Road & Mango Road
- Canterbury Drive & Mango Road
- Mango Ridge Blvd & Mango Road
- Valencia Drive & Mango Road
- Walmart Driveways
**Corridor Overview**

**Mango Road/CR 579 Intersection Improvements**

- **Clay Pit Road & Mango Road**

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**IMPROVEMENTS KEY**

1. LEADING PEDESTRIAN INTERVAL (LPI)
2. REPAIN CROSSWALKS
3. SIGNAL BACK PLATES
4. CURB & GUTTER
5. ADD SIDEWALKS
**Corridor Overview**

**Mango Road/CR 579**

- Crosswalks along minor streets
- Detectable warnings
- Refresh stop bar
Mango Road/CR 579

- Crosswalks along minor streets
- Detectable warnings
- Refresh stop bar

Intersection Improvements
Corridor Overview

Mango Road/CR 579 Intersection Improvements

Valencia Drive & Mango Road
Mango Road/CR 579 Intersection Improvements

Valencia Drive & Mango Road

IMPROVEMENTS KEY
1. ADD SIDEWALK
2. ADD CROSSWALK
3. ADD CURB RAMPS AND DETECTABLE WARNINGS
Corridor Overview

Mango Road/CR 579 Intersection Improvements

Walmart Driveway

(2) Mango Road & Mango Road

IMPROVEMENTS KEY

1 CONCRETE MEDIAN
Long term improvements:

• Shared use path along west side of corridor
• Complete sidewalk from US 92 to Old Hillsborough Avenue
Next Steps

- Planning level costs
- Finalize concepts
- Report documentation