

VISIONZERO

HILLSBOROUGH

Hillsborough MPO Vision Zero Corridors

S 78th Street

Causeway Boulevard/SR676 to Palm River Road

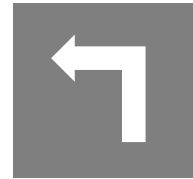
System-Level Crash Trends

417 Total Crashes (2014-2018)



20% of all crashes occurred at nighttime

- ❖ **39%** of all fatalities & severe injuries:
 - **3 of 5** fatalities
 - **10** severe injuries



47% of fatal & severe injury crashes were left turning movement-related

- **1 of 5** fatalities
- **15** severe injuries



16% of fatalities & severe injuries were pedestrians & cyclists

- ❖ **62%** were at nighttime

Top crash locations

1. Causeway Boulevard
2. Palm River Road
3. Midblock crossing
4. Near transit stops:
 - Tidewater Trail/Paradise Place
 - 24th Ave
 - Parish Place/Larsen Lane

Survey and Map Comments

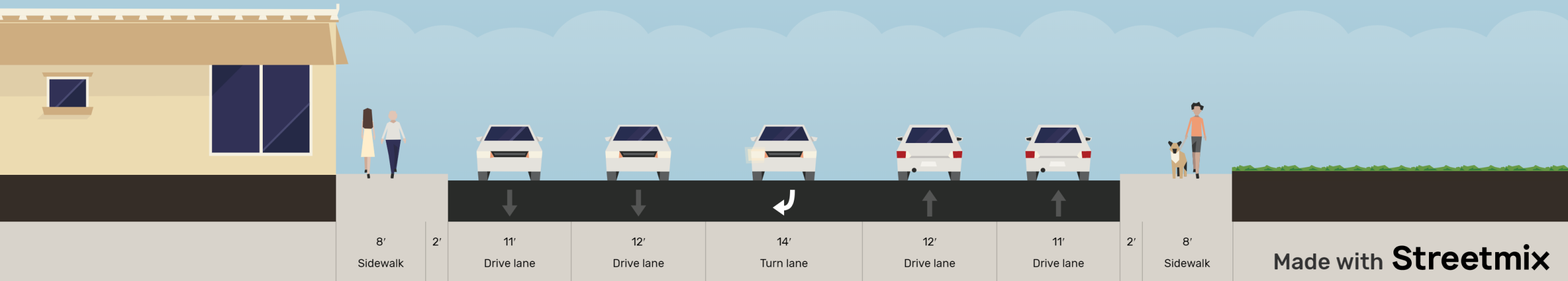
24 Survey Responses Top Issues

- Speeding
- Large intersections
- Difficult to cross
- Inadequate lighting



78th Street: Existing Cross-Section

78th Street - Existing



Hotspots & Countermeasures Causeway Blvd



156 Crashes

38% of all crashes

38% rear end

30%

speeding/aggressive driving

29% left turn-related

24% distraction-related

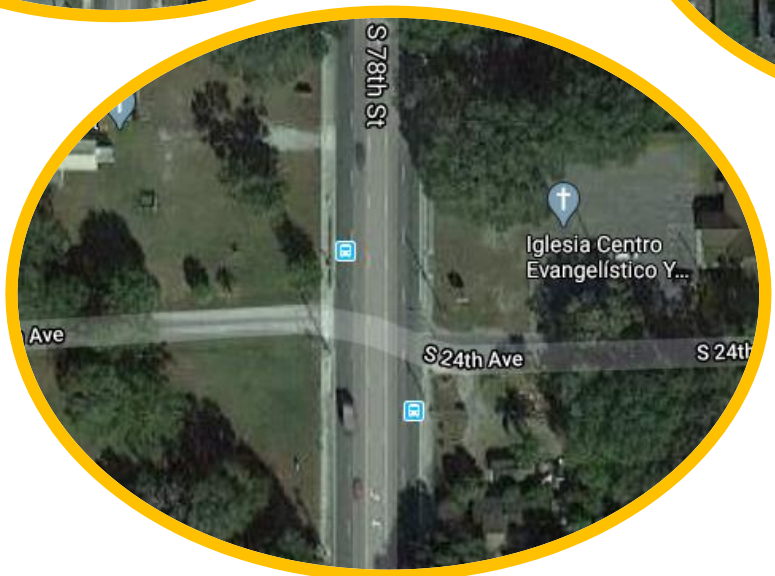
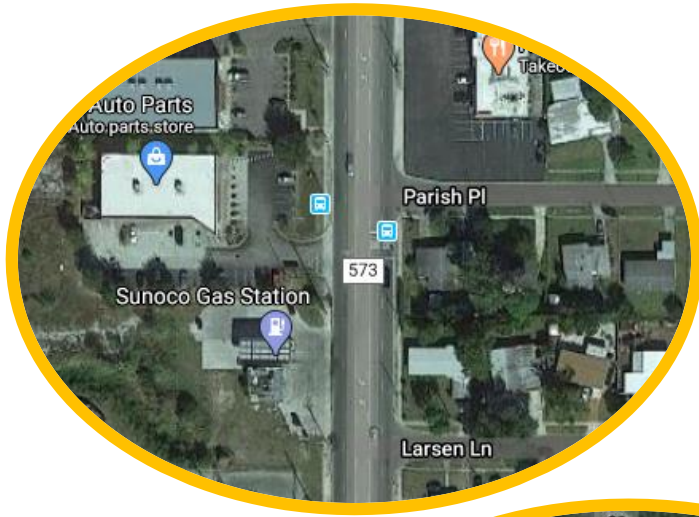
1 fatality

6 severe injuries

Countermeasures

- ❑ Enforcement & education
- ❑ Evaluate protected left turns for all approaches
- ❑ Improve bike and pedestrian infrastructure; particularly:
 - Pedestrian refuge islands on Causeway
 - Tightening curb radii
 - Narrowing lane widths to provide for more comfortable bike lanes along Causeway

Hotspots & Countermeasures Crashes Near Transit Stops



36 Crashes

24 between noon & 6:00 pm

13 left-turn related

4 related to aggressive driving/speeding

1 involved a cyclist

1 fatality (pedestrian)

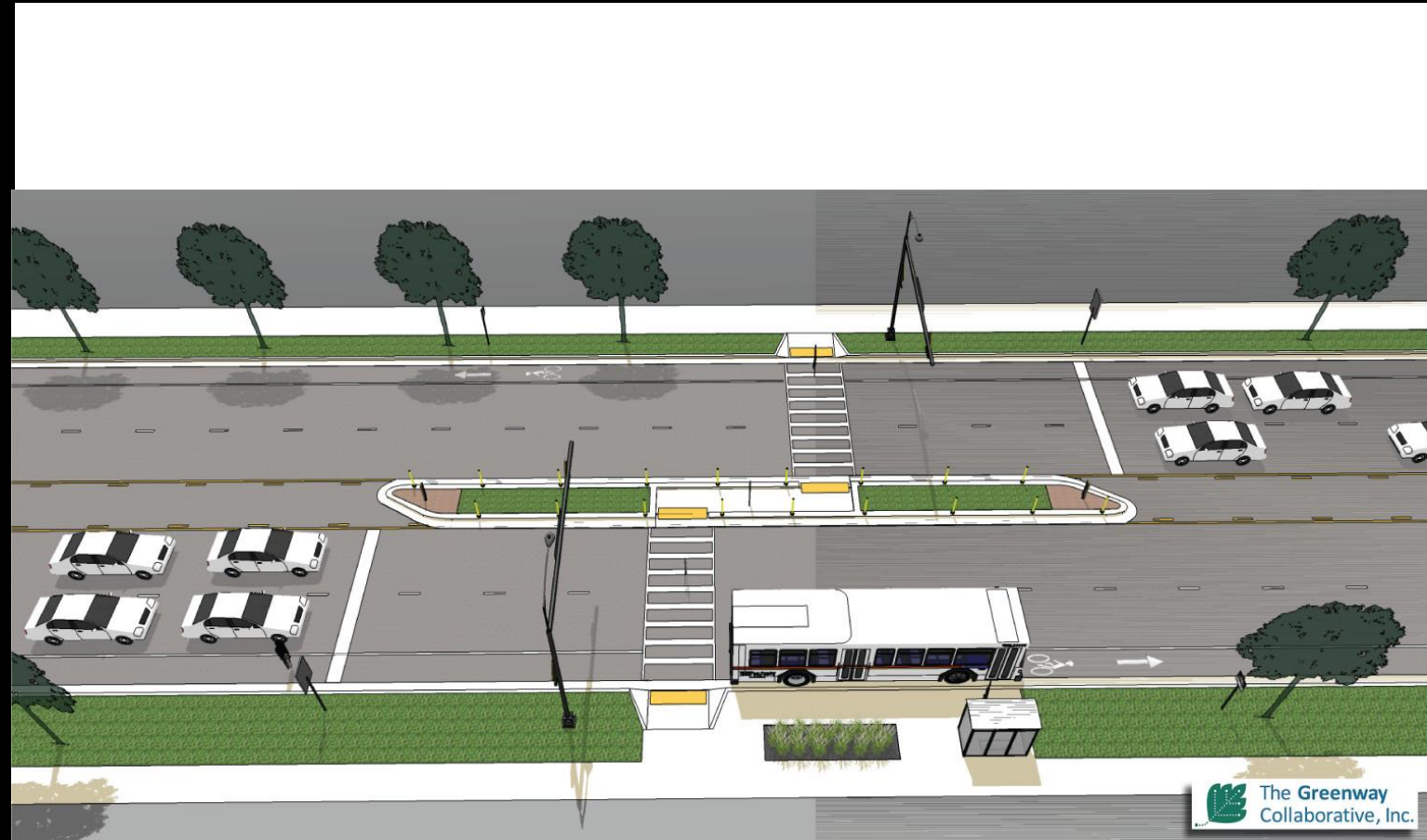
1 severe Injuries

Hotspots & Countermeasures

Crashes Near Transit Stops

Countermeasures

- ❑ Enforcement & education
 - ❑ Hardscape median
- ❑ Relocate transit stops for safe crossings
- ❑ Pedestrian refuge islands
- ❑ Street + in-street lighting
- ❑ Pedestrian countdown signals



Crash Hotspots & Related Countermeasures

Midblock Crossing (Between Destin Drive and Rideout Road)



44 Crashes

4 rear-end

1 pedestrian

3 nighttime

2 bicyclist

1 fatality (cyclist)

60% related to speeding/aggressive driving

Countermeasures

- ☐ Enforcement & education
- ☐ Hardscape median
- ☐ Pedestrian refuge islands
- ☐ Street + in-street lighting
- ☐ Pedestrian countdown signal

Hotspots & Countermeasures

Palm River Rd



137 Crashes
32% of all crashes
40% distraction-related
39% left turn-related
23% rear end
20%
speeding/aggressive
driving
18% nighttime
1 fatality
6 severe Injuries

Countermeasures

- ❑ Enforcement & Education
- ❑ Evaluate sight distance at all intersection approaches
- ❑ Pedestrian refuge islands
 - ❑ Street lighting
- ❑ Improve intersection geometry

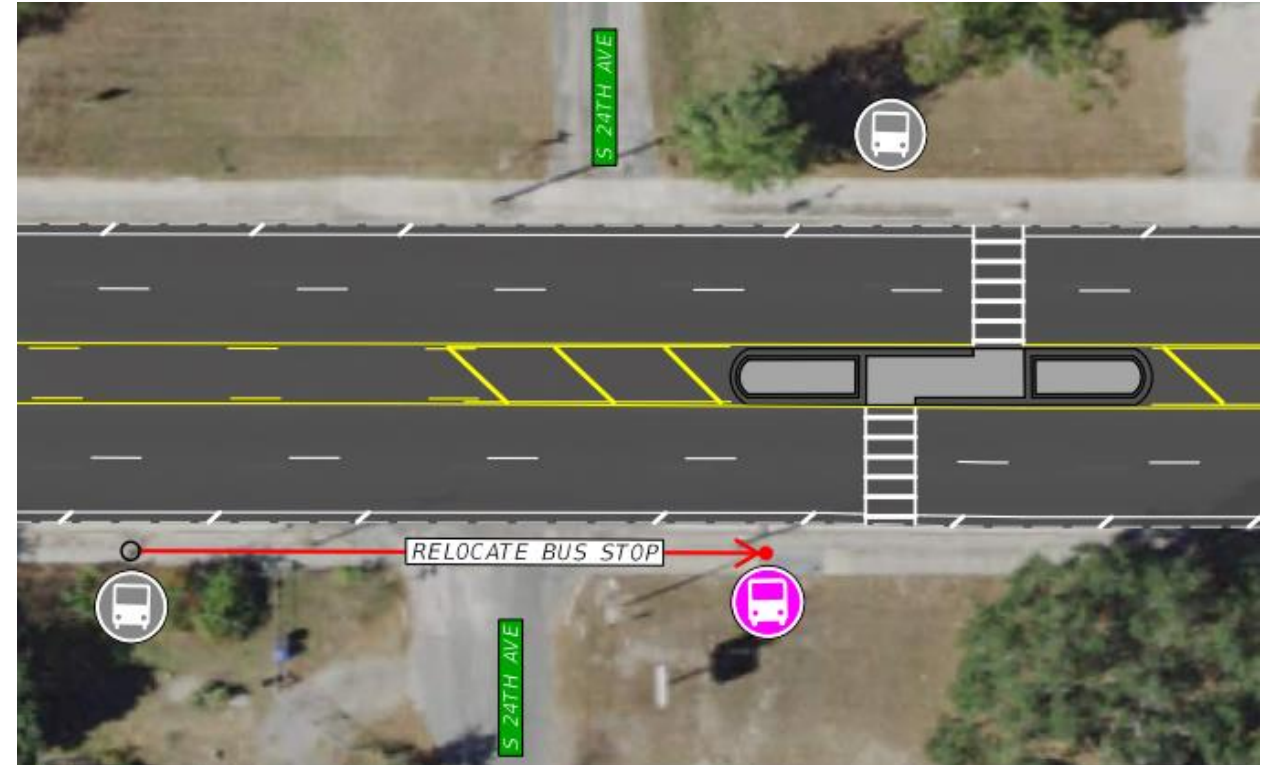
Recommendations

Short-Term

- Reduce speed limit from 45 mph to 35 mph
- Narrow travel lanes to 11' and median to 12' to provide outside buffer
- Relocate cross street signage and stop bars to provide better sight distance
- Install raised landscaped islands
- Install mid-block crossings and relocate bus stops as needed for safe crossings
- Extend median separators on Causeway Blvd at 78th Street to provide pedestrian refuges

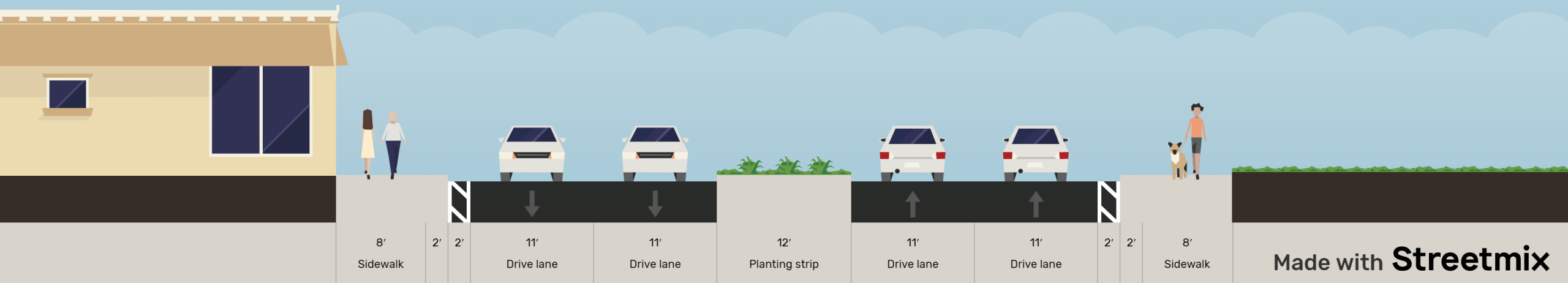
Mid-Term

- Reconstruct and widen sidewalks by paving buffer space and adjusting slopes for ADA
- Enhance street lighting



78th Street: Proposed Cross-Section

78th Street - Narrow Median w/ Islands



Countermeasures Toolbox

Median Mini Islands: Pedestrian Refuge + Traffic Calming



SR 13, Jacksonville, FL
Google



University Blvd, Jacksonville, FL
Atkins

78th Street: Potential Long-Term Cross-Section

78th Street - Lane Elimination

