

# ANN ARBOR MOVING TOGETHER

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## TOWARDS VISION ZERO



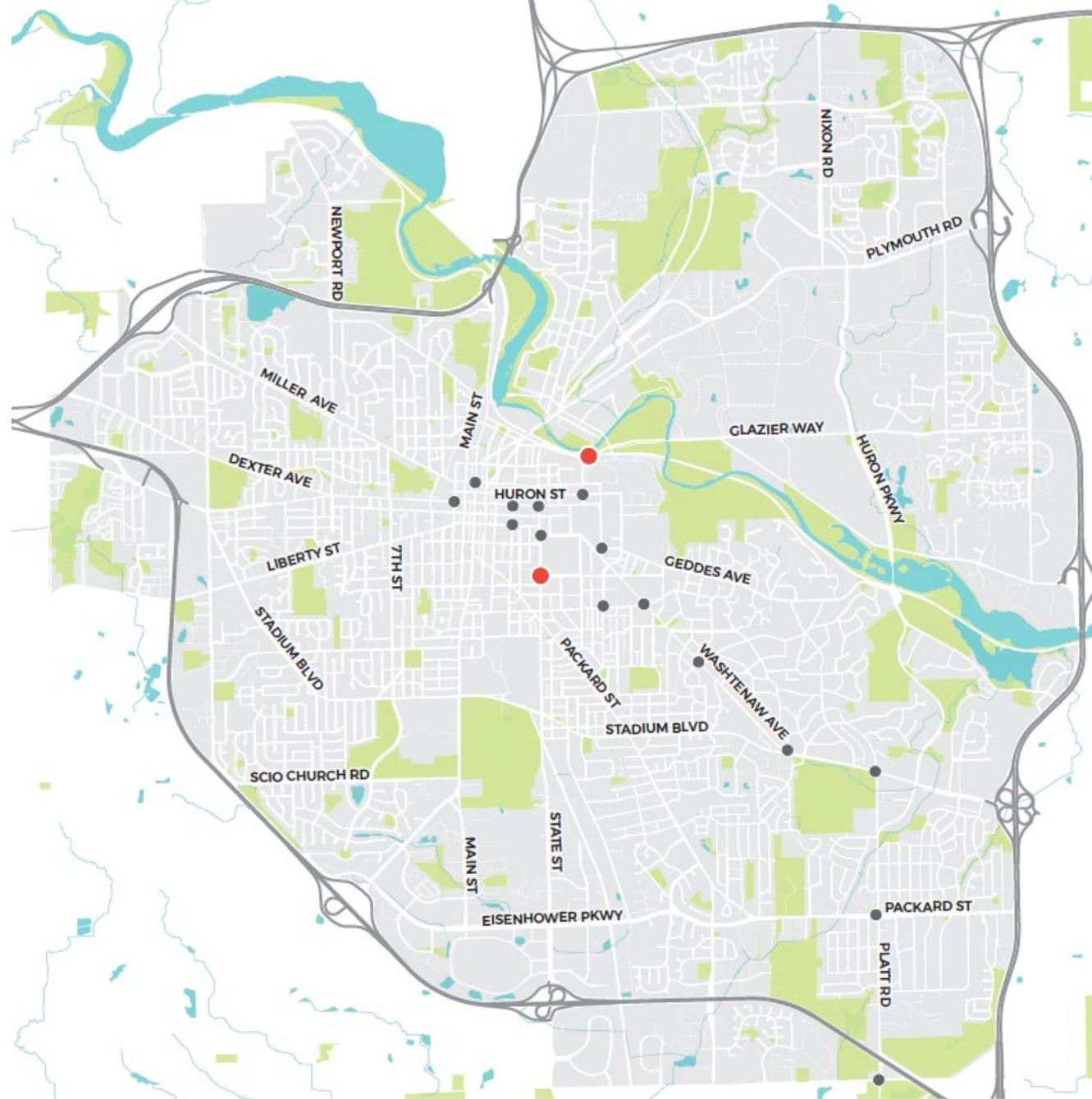
Illustrations by: Pablo Stanley

# Project Selection

- Tier 1 & 2 Focus intersections and corridors
- Feasibility of intervention
- Not included in recent, ongoing, or upcoming projects

# Focus Intersections

1. **Glen/Fuller**
2. **S. University/State**



# Focus Corridors

1. Packard (Main – State)
2. Washington (Main – Fletcher)
3. N. Maple (M-14 – Jackson)
4. Ann (Main – 4th)



# Quick-Build Projects - Summary

## Major Streets

1. Washington Street (Main – Fletcher)
  - Paint/post bump-outs – various intersections
  - Hardened centerlines – various intersections
  - Removal of turn lanes to be evaluated
2. Packard (Main – State)
  - Reduce lane widths
  - Add bike lane buffer
  - Add bike lane barriers (extent to be determined)
  - Explore curb bump-outs

## Intersections

1. Glen/Fuller
  - Reduced curb radii
  - Bike thru markings
2. S. University/State
  - Remove turn lanes
  - Paint/post bump-outs
  - Hardened centerline
3. Liberty/Stadium
  - Hardened centerline
  - Install pedestrian countdown
  - Reduce curb radii if possible
4. Ann/Main
  - Paint/post bump-outs
5. Ann/Fourth
  - Paint/post bump-outs

3. Maple (Foss – Dexter)
  - Add barriers to buffers;
  - Dexter intersection markings

# Washington Street (Main – Fletcher)

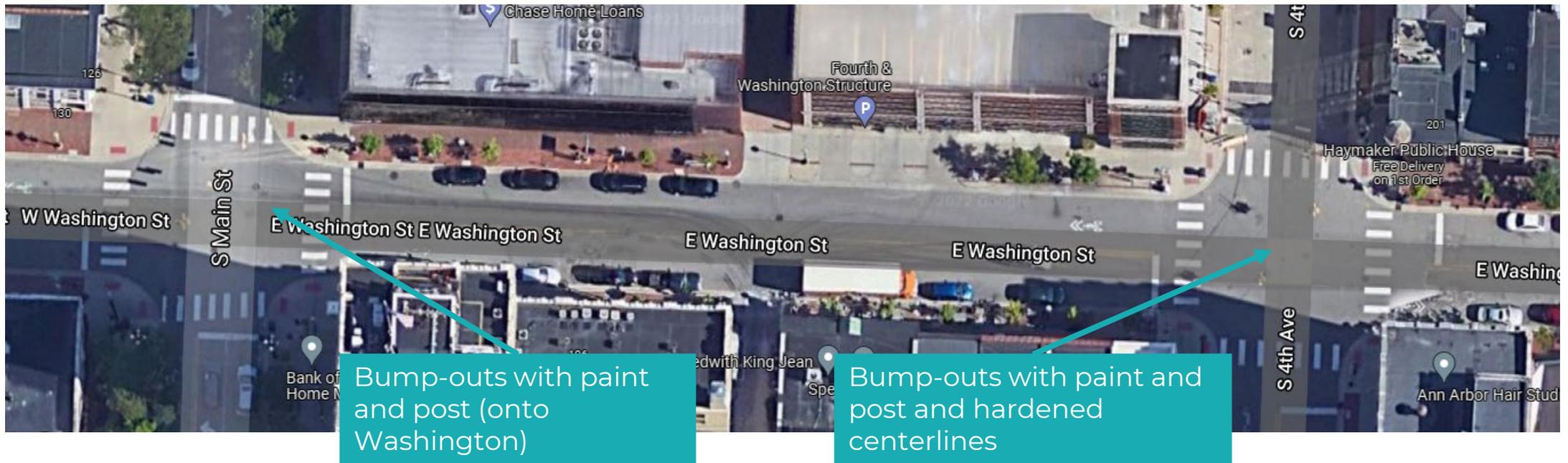
## Primary safety concerns

- Crashes involving pedestrians
- Head On – Left Turn crashes
- Volume of crashes

## Strategy

- Increase visibility of pedestrians
- Reduce turning speeds

## Quick Build Opportunities



# Washington Street (Main – Fletcher)

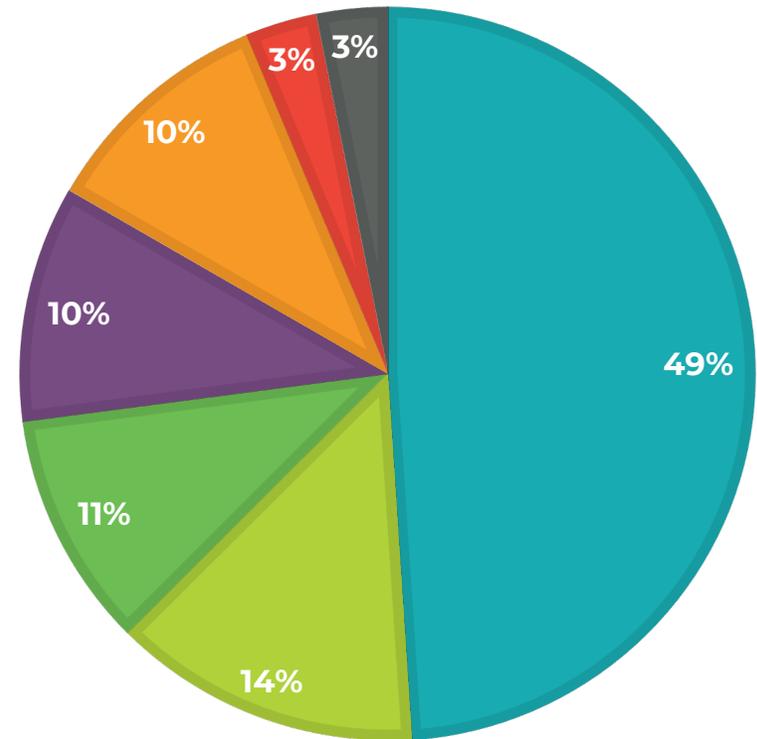
@ Main Street

Main St	Walking	Biking	Driving
Fatality	0	0	0
Injury Type A	1	0	0
Injury Type B	0	0	1
Injury Type C	1	0	0
PDO*	0	0	27
<b>Total</b>	<b>2 (7%)</b>	<b>0 (0%)</b>	<b>28 (93%)</b>

\*Property damage only

## CRASH TYPE

- Rear End
- Sideswipe - Same
- Single Motor Vehicle
- Angle
- Backing
- Sideswipe - Opposite
- Rear End - Right Turn



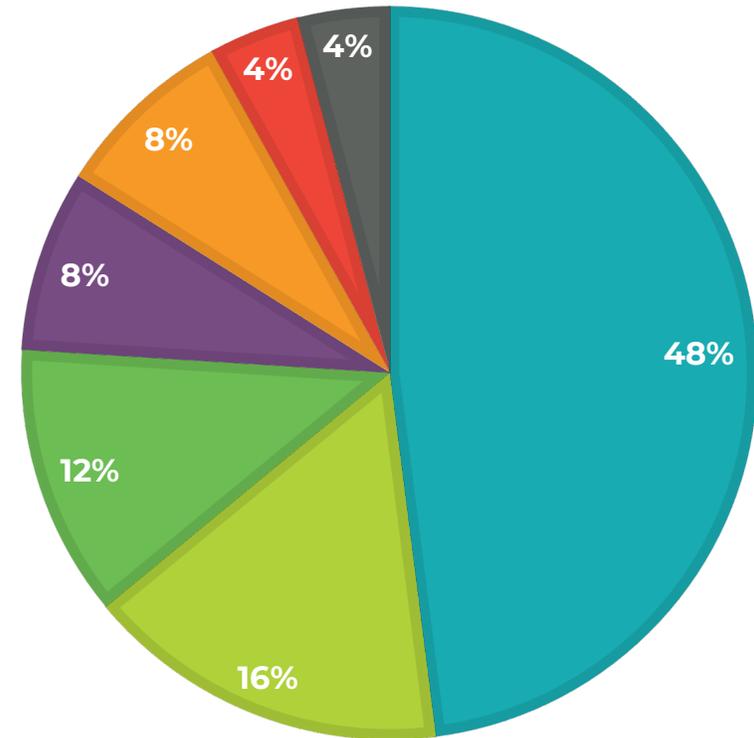
# Washington Street (Main – Fletcher)

@ 4th Avenue

4th Ave	Walking	Biking	Driving
Fatality	0	0	0
Injury Type A	0	0	0
Injury Type B	1	0	1
Injury Type C	0	0	0
PDO	0	0	23
<b>Total</b>	<b>1 (4%)</b>	<b>0 (0%)</b>	<b>24 (96%)</b>

## CRASH TYPE

- Sideswipe - Same
- Rear End
- Angle
- Single Motor Vehicle
- Backing
- Head On - Left Turn
- Other



# Packard Street (Main – State)

## Primary safety concerns

- Volume of crashes
- Crashes involving bicyclists

## Strategy

- Reduce vehicle speeds
- Increase comfort and visibility of bicyclists

Narrow lanes; potential for protected bike lanes or “gateways” at intersections



Photo:qwickkurb.com



Tighten radii with paint/post (select intersections TBD)

# Maple Road (Foss – Dexter)

## Primary safety concerns

- Volume of crashes
- Abrupt end to bike lane at Dexter

## Strategy

- Reduce vehicle speeds
- Increase comfort and visibility of bicyclists

Protected bike lanes or “gateways” at intersections



Photo:qwickkurb.com



# Glen/Fuller

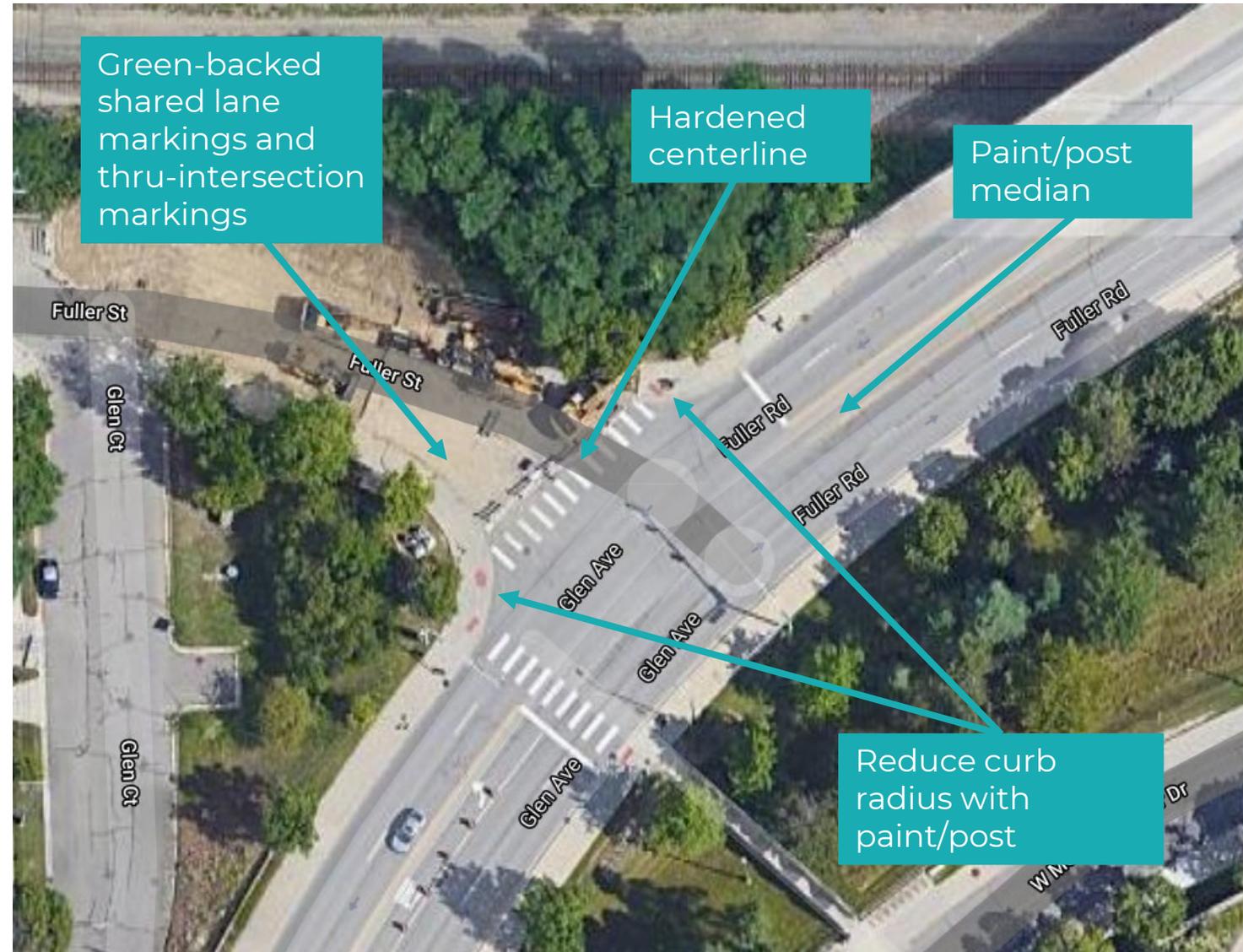
## Quick Build Opportunities

### Primary safety concerns

- Crashes involving bicyclists
- Head on – left turn crashes
- Angle crashes

### Strategy

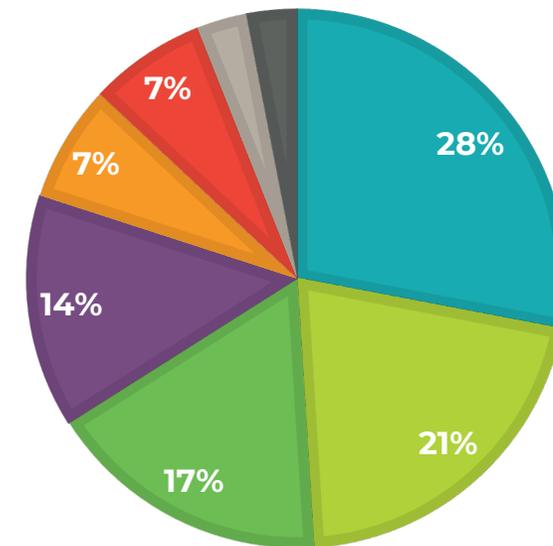
- Reduce speeds, especially turning speeds
- Increase visibility of bicyclists



## CRASH TYPE

- Single Motor Vehicle
- Angle
- Rear End - Left Turn
- Rear End - Right Turn
- Rear End
- Sideswipe - Same
- Head On - Left Turn
- Head On

	Walking	Biking	Driving
Fatality	0	0	0
Injury Type A	0	1	0
Injury Type B	0	3	0
Injury Type C	0	2	0
PDO	0	1	22
<b>Total</b>	<b>0 (0%)</b>	<b>7 (24%)</b>	<b>22 (76%)</b>



Additional

**\*All** crashes involving a cyclist were Single Motor Vehicle crash types

# S. University/State

## Primary safety concerns

- Crashes involving bicyclists
- Volume of pedestrians
- Complexity of the intersection (all-way stops with turn lanes)

## Strategy

- Simplify intersection
- Prioritize pedestrian and bicycle travel

Remove turn lanes;  
add paint/post bump-outs

Hardened centerline



# Liberty/Stadium

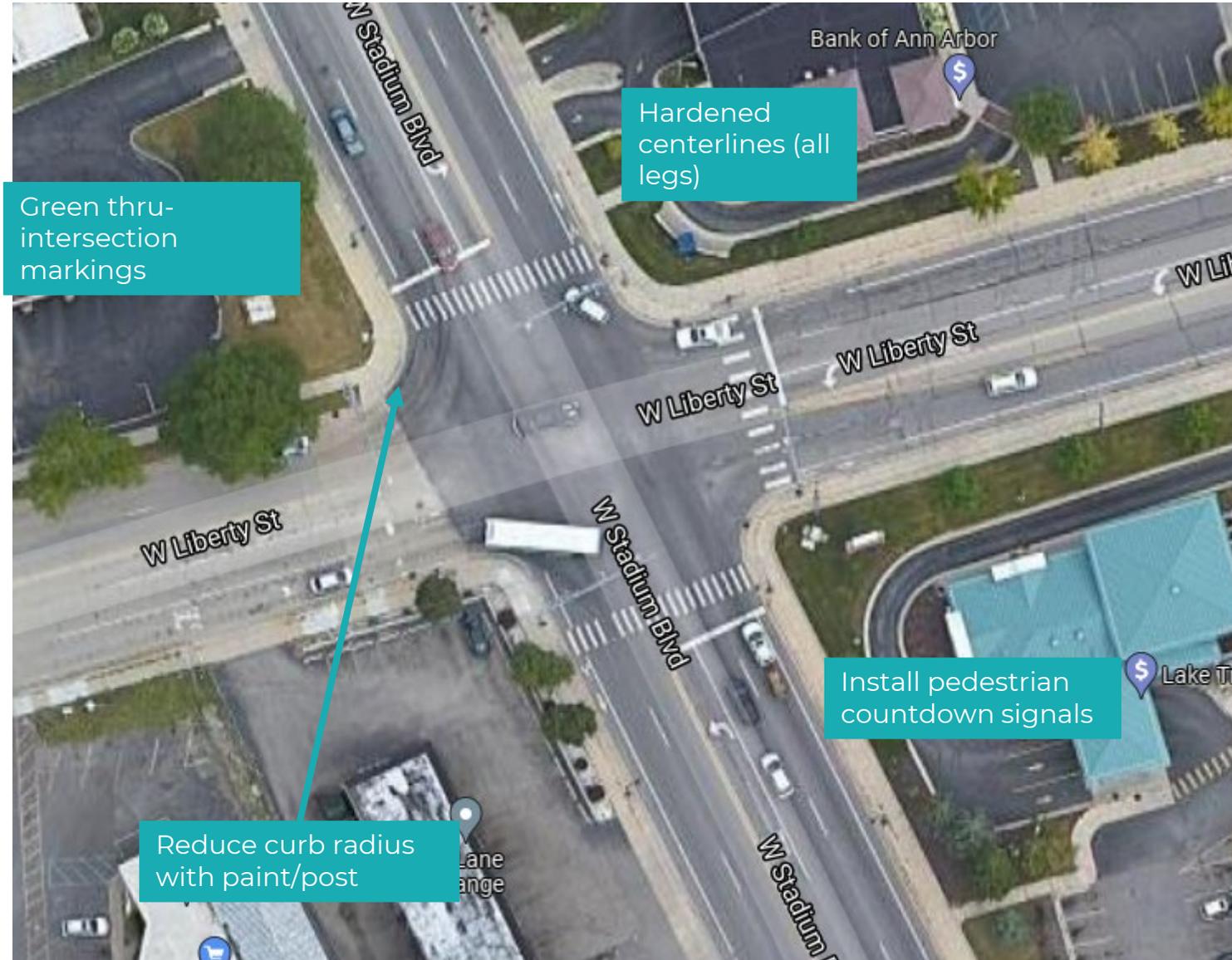
## Quick Build Opportunities

### Primary safety concerns

- Head On – Left Turn crashes
- Volume of crashes
- Crash involving bicyclists
- Wide and intimidating crossings for both pedestrians and bicyclists

### Strategy

- Reduce turning speeds
- Increase visibility of bicyclists

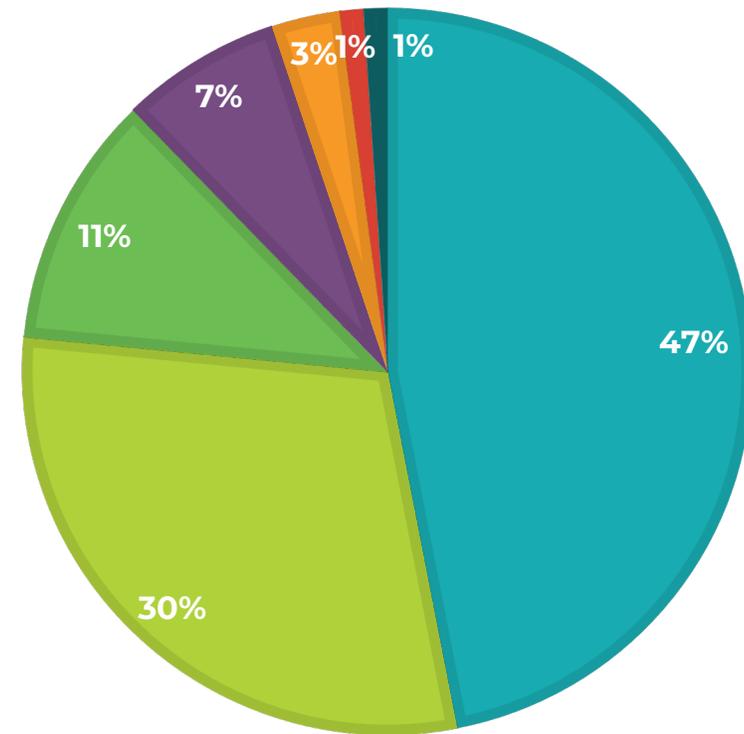


# Liberty/Stadium

	Walking	Biking	Driving
Fatality	0	0	0
Injury Type A	0	1	0
Injury Type B	0	0	3
Injury Type C	0	0	9
PDO	0	0	59
<b>Total</b>	<b>0 (0%)</b>	<b>1 (1%)</b>	<b>71 (99%)</b>

## CRASH TYPE

- Rear End
- Angle
- Sideswipe - Same
- Head On - Left Turn
- Single Motor Vehicle
- Sideswipe - Opposite
- Backing



# Ann Street

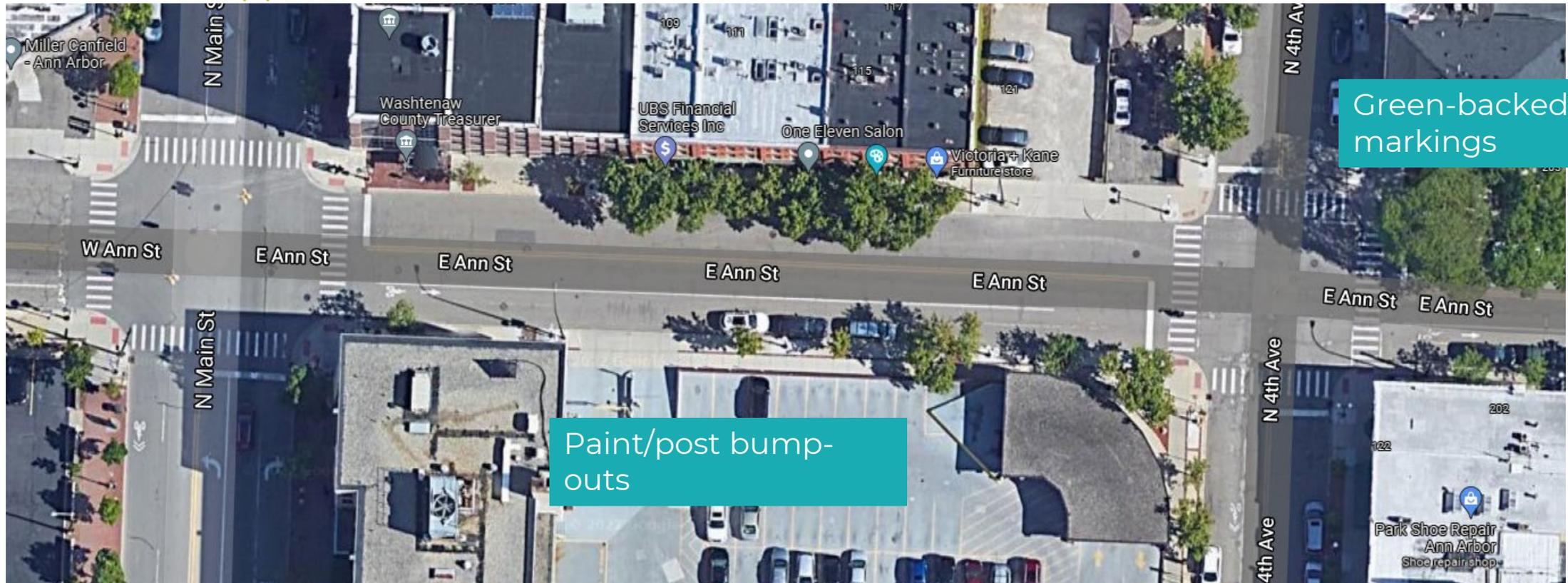
## Primary safety concerns

- Crashes involving pedestrians and bicyclists
- Volume of crashes

## Strategy

- Reduce exposure to pedestrians
- Increase visibility of bicyclists

## Quick Build Opportunities



## Next Steps

1. 2022 Quick-Build Projects
2. Major Streets Traffic Calming Research
3. Public Engagement Initiation