Vision Zero Task Force June 28, 2017

COUNTERMEASURE PAIRING S SACRAMENTO ZERO TRAFFIC DEATHS





















ENGINEERING COUNTERMEASURES



bicycle signal phase



leading pedestrian interval



rectangular rapid flashing beacon (RRFB)



protected left turn



traffic circle





pedestrian refuge island



traffic diverter



all-way stop control

crosswalk lighting



bike box



buffered bike lane



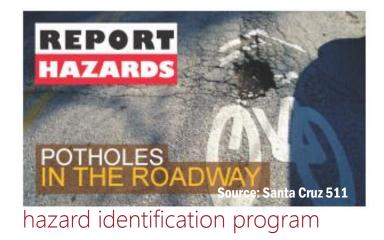
radar speed sign



school zone 15 mph speed limit



speed table



COUNTERMEASURES



VISION ZERO YEAR TWO REPORT March 2016 Source: NYCDOT

vision zero annual report



expand traffic enforcement team



education campaign about speed



expand red light camera program

COUNTERMEASURE MATRIX

	Collision Profiles	Mode	Primary Countermeasure	Secondary Countermeasure	Notes
1	Unsafe speed on non-local streets	All modes			
2	Alcohol involved	All modes			
3	35+ mph streets	All modes			
4	30+ mph streets	Bicycle			
5	Broadside collisions	Bicycle			
6	Driver making left or right turn	Bicycle & pedestrian			
7	Commercial areas	Bicycle & pedestrian			
8	60+ year old victims	Pedestrian			
9	Pedestrian crossings outside of an intersection and crosswalk	Pedestrian			
10	Near transit stops	Pedestrian			

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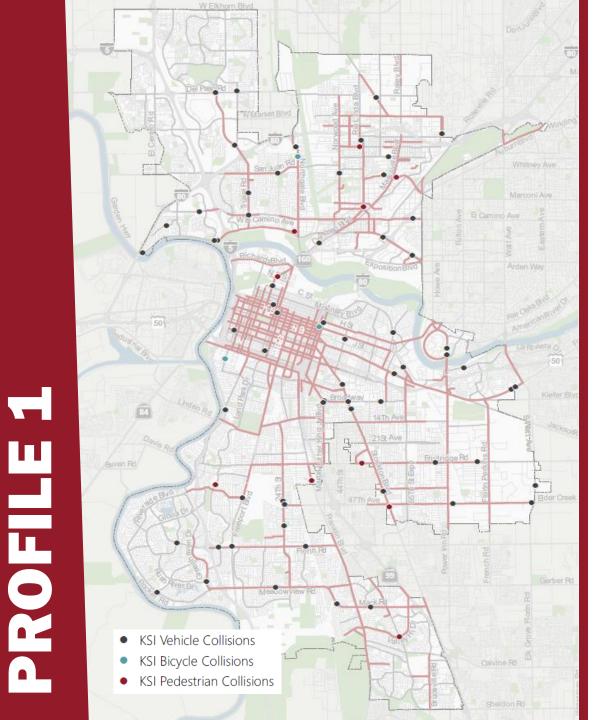








unsafe speed on non-local streets



all modes

primary collision factor = "unsafe speed" (driver was driving faster than was "reasonable")

on arterial or collector streets

77 KSI collisions | 10% of KSI collisions

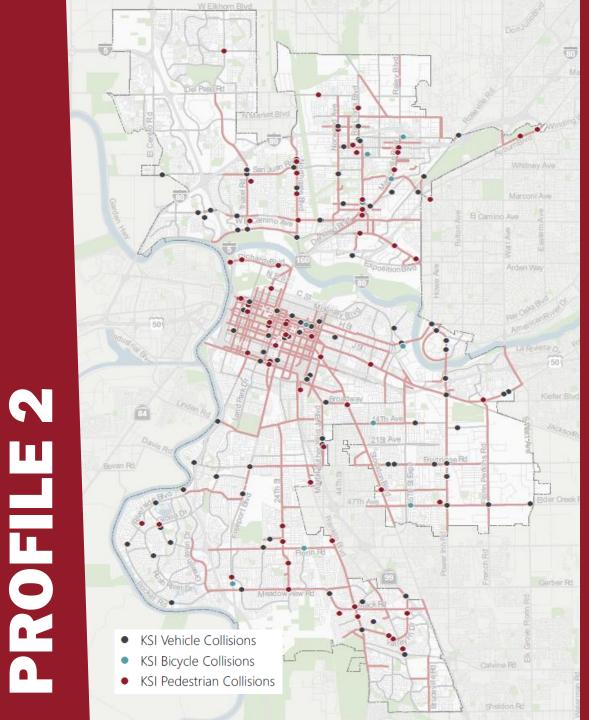


3 KSI collisions3% of bicycle KSI

10 KSI collisions 4% of pedestrian KSI



alcohol involved



2

all modes

alcohol involved

186 KSI collisions | 25% of KSI collisions



12 KSI collisions 10% of bicycle KSI

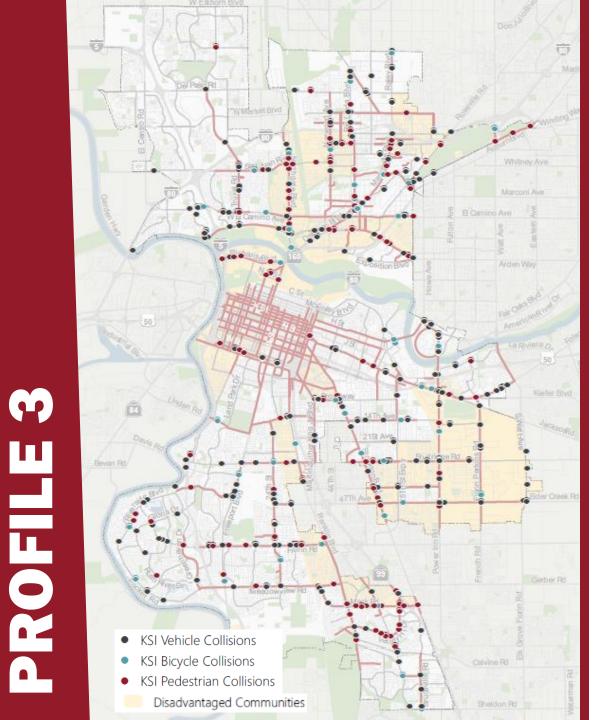


74 KSI collisions 31% of pedestrian KSI

A C



posted speed 35+ mph



2

all modes

on streets with posted speed 35+ mph

480 KSI collisions | 65% of KSI collisions

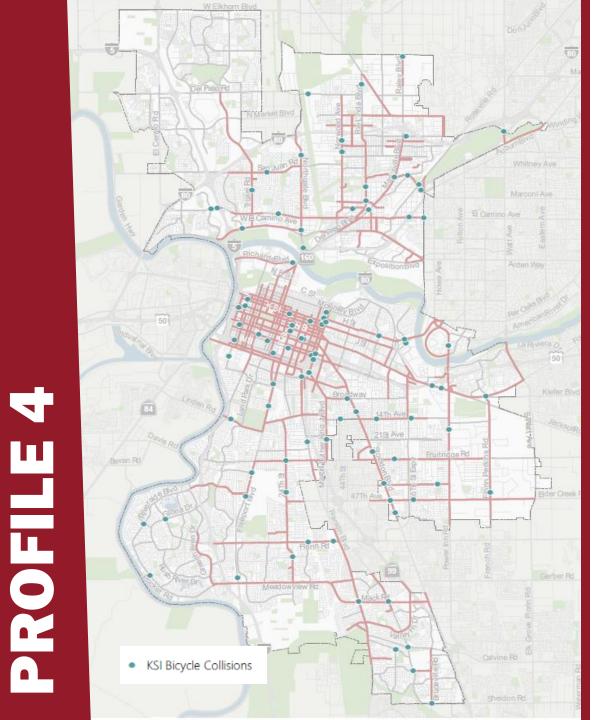


68 KSI collisions 58% of bicycle KSI

> 159 KSI collisions 67% of pedestrian KSI



bike collisions on 30+ mph streets



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bicycle collisions

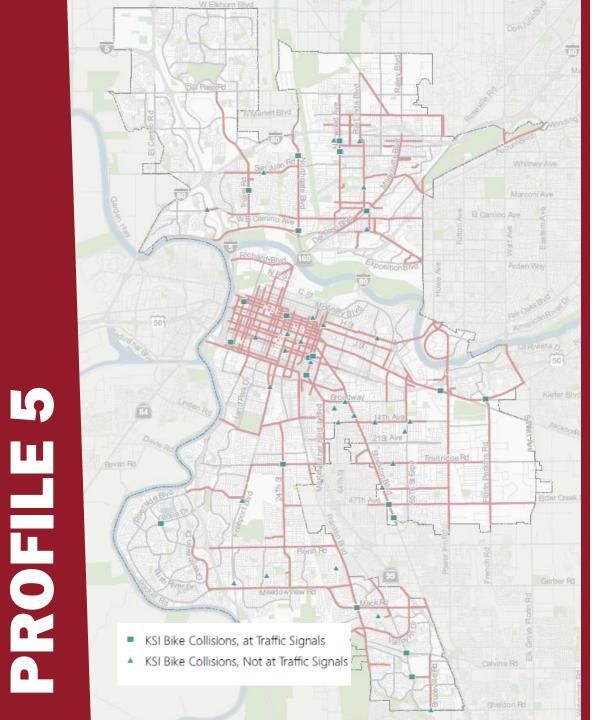
on streets with posted speed 30+ mph

100 KSI collisions | 14% of KSI collisions





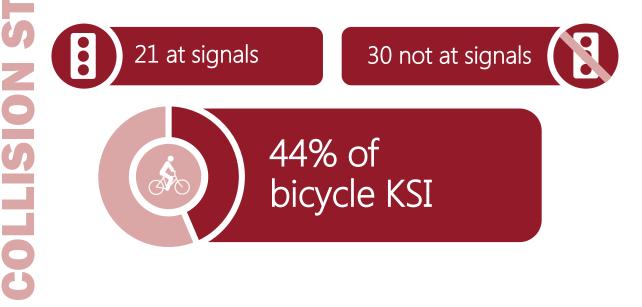
broadside bike collisions



bicycle collisions

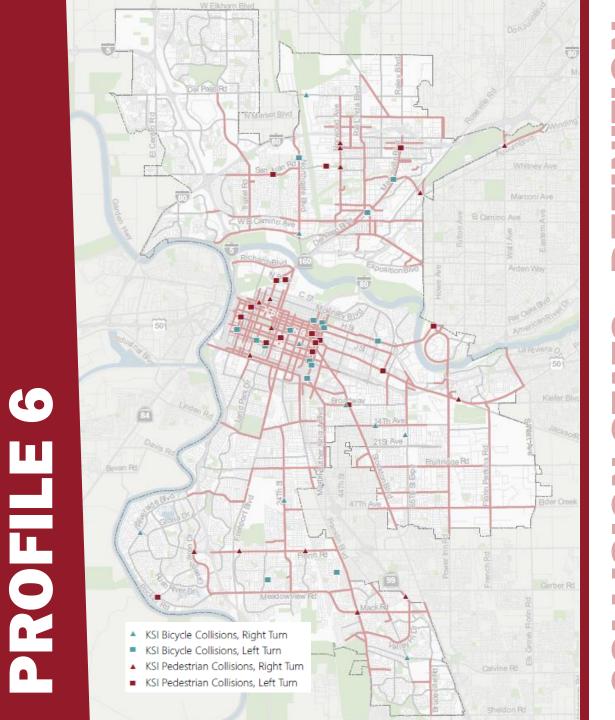
collision type = broadside

51 KSI collisions | 7% of KSI collisions





driver turning (bike/ped collisions)



pedestrian or bicycle collisions

driver making left or right turn

58 KSI collisions | 8% of KSI collisions



25 right turn (



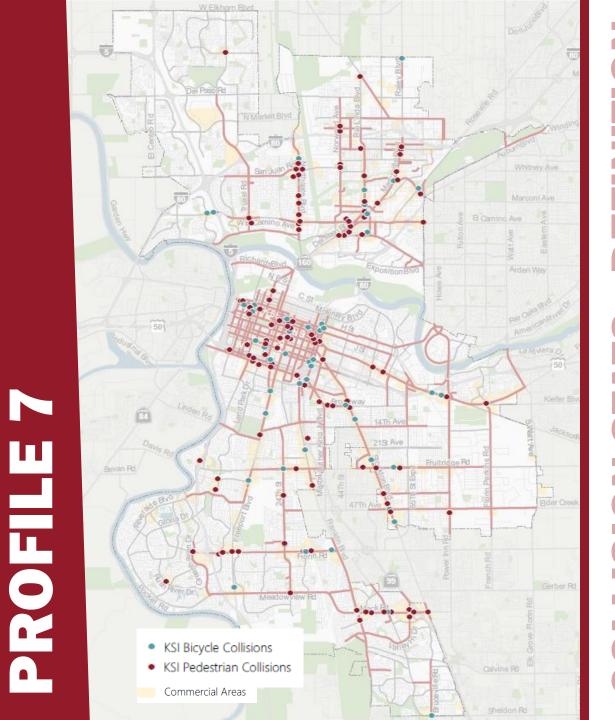
26 KSI collisions 22% of bicycle KSI



32 KSI collisions 14% of pedestrian KSI



collisions in commercial areas



pedestrian or bicycle collisions

within 500 feet of retail or recreation commercial land use

200 KSI collisions | 27% of KSI collisions



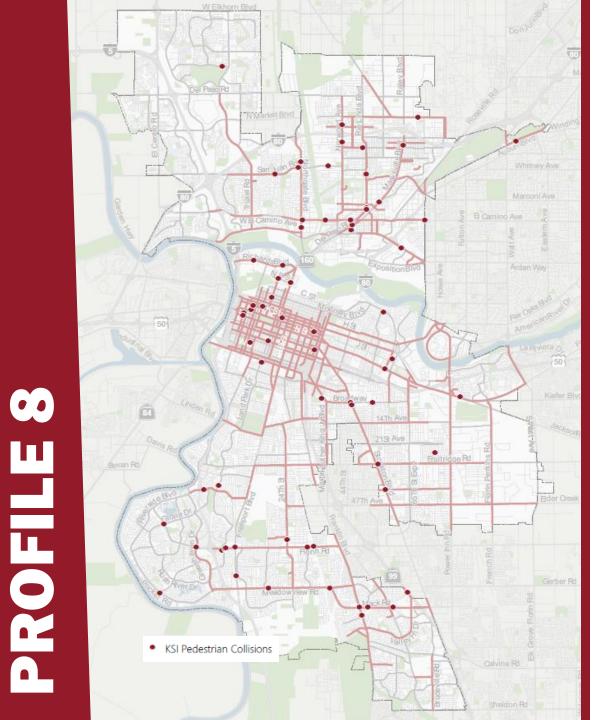
55 KSI collisions 47% of bicycle KSI



146 KSI collisions 62% of pedestrian KSI



60+ year old pedestrians



5 20 Ľ,

pedestrian collisions

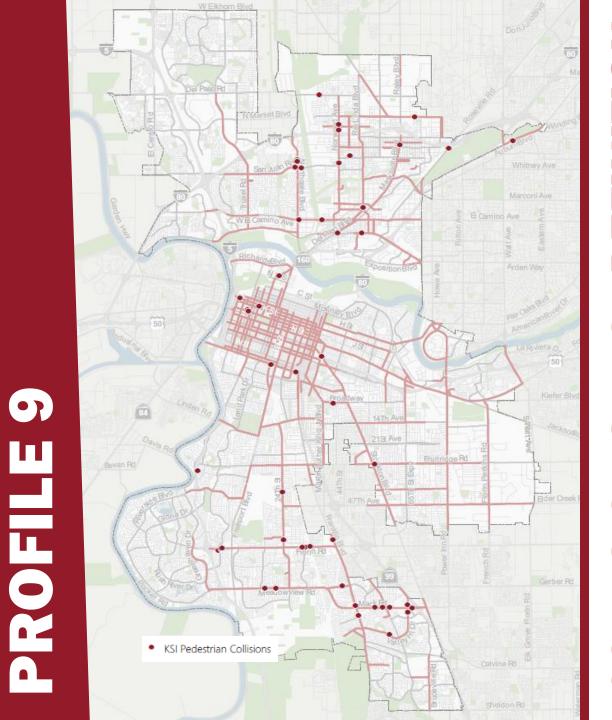
victim is 60+ years old

70 KSI collisions | 9% of KSI collisions





pedestrian crossing outside of an intersection and crosswalk



pedestrian collisions

pedestrian crossing not in crosswalk

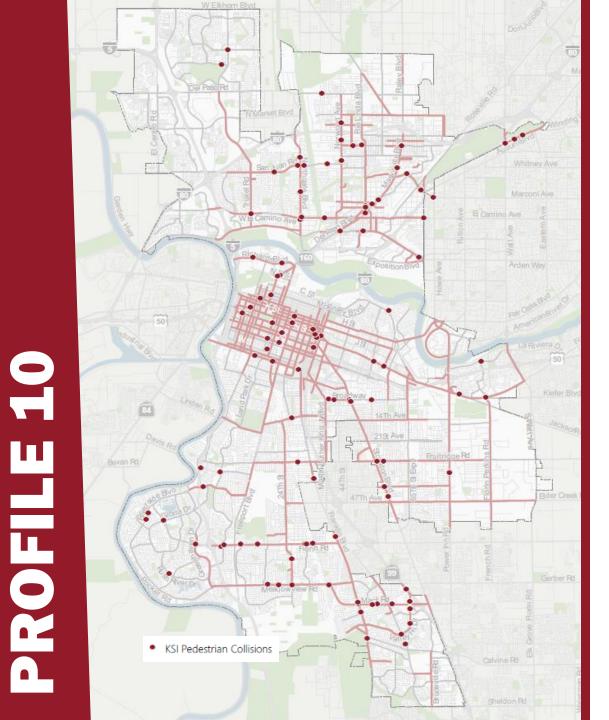
more than 100 feet from intersection

53 KSI collisions | 7% of KSI collisions





pedestrian collisions near transit stops



pedestrian collisions

5

2

within 200 feet of light rail station or bus stop

128 KSI collisions | 17% of KSI collisions

