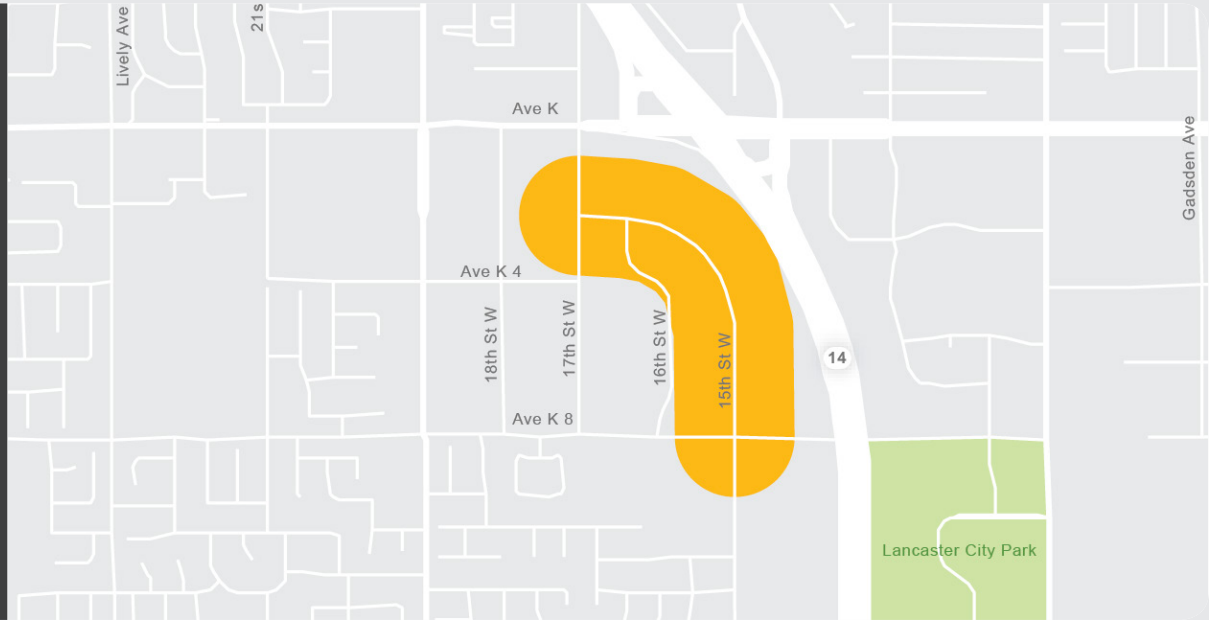
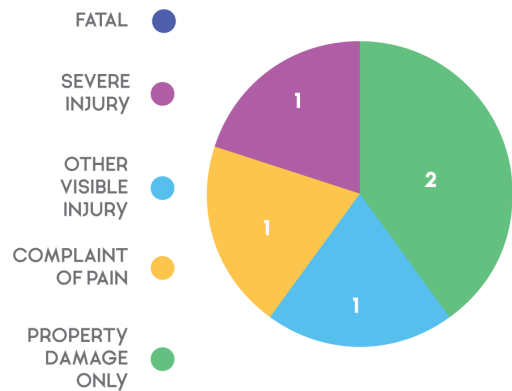


EXISTING CONDITIONS

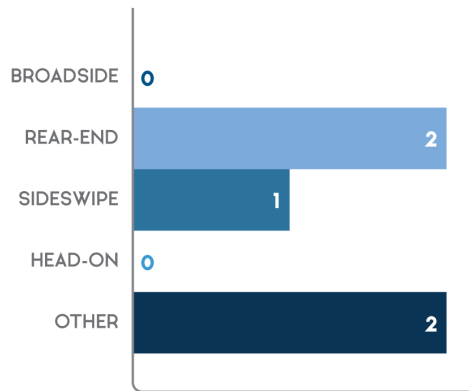
- LENGTH: 0.5 MILES
- STREET TYPE: SECONDARY ARTERIAL
- ADT: 765
- # OF LANES: 2 LANES AND A TWO-WAY CENTER-TURN LANE
- POSTED SPEED LIMIT: 45 MPH
- BIKEWAYS: BUFFERED BIKE LANES FROM AVENUE K-2 (17TH STREET WEST) TO APPROXIMATELY HALFWAY TO AVENUE K-6; A BUFFERED BIKE LANE ON THE WEST SIDE, AND A BIKE LANE ON THE EAST SIDE THE REMAINDER OF THE LENGTH
- TRANSIT: NONE



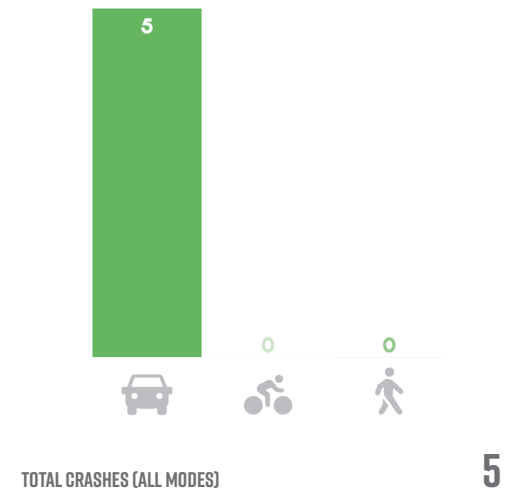
CRASH SEVERITY



VEHICLE CRASH TYPES



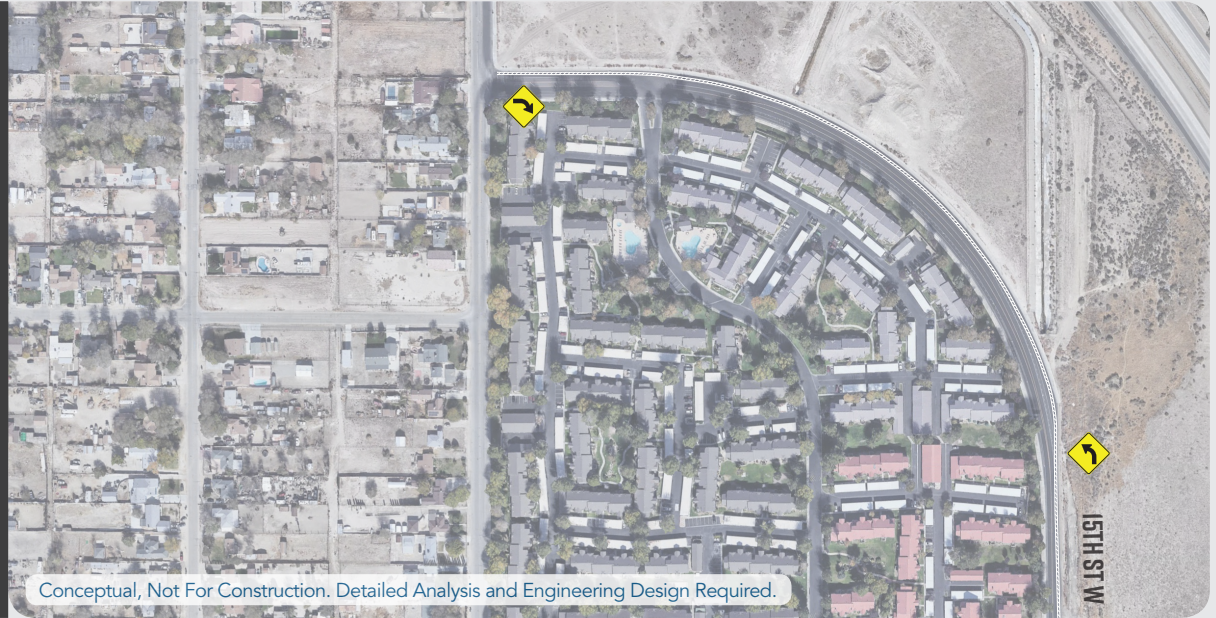
CRASHES BY MODE



Crash data analysis years: 2013-2017

COUNTERMEASURE OBJECTIVES

- REDUCE HIT OBJECT CRASHES
- REDUCE NIGHTTIME CRASHES



Conceptual, Not For Construction. Detailed Analysis and Engineering Design Required.

SHORT-TERM

CMID	Project Description	Cost
R28	Install curve advance warning signs	\$2,200

MID-TERM

CMID	Project Description	Cost
N/A	Add a buffer to the bike lane on the east side of the street from approximately halfway between 17th Street West and Avenue K-8 to Avenue K-8 (0.2 mi.)	\$15,840

LONG-TERM

CMID	Project Description	Cost
N/A		

OTHER COSTS

Project Description	Cost
Mobilization	\$1,804
Traffic Control	\$1,804
Contingency	\$4,330
Environmental	\$1,900
PS&E	\$2,800
Appraisals, Acquisitions, and Utilities	\$0
Construction Engineering	\$2,800

COST ESTIMATES

**\$33,478**

EXPECTED BENEFIT/COST RATIO\*

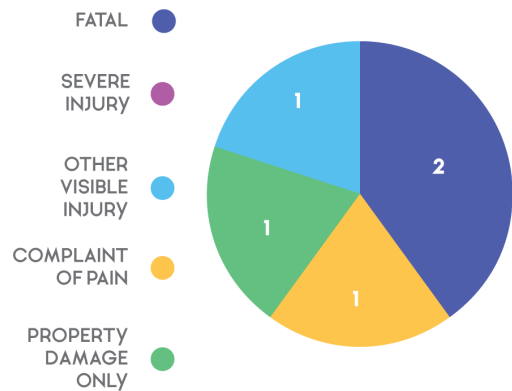
**6.5**

EXISTING CONDITIONS

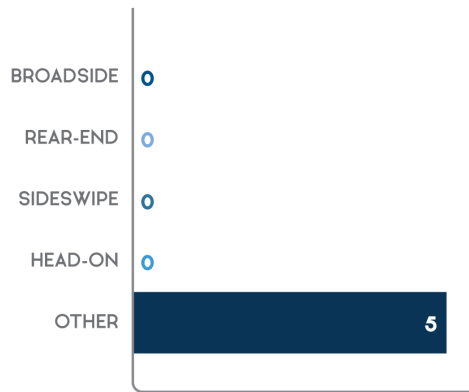
- LENGTH: 0.25 MILES
- STREET TYPE: MAJOR ARTERIAL
- ADT: 12,650
- # OF LANES: 4 LANES AND MEDIAN
- POSTED SPEED LIMIT: 45 MPH
- BIKEWAYS: BUFFERED BIKE LANES
- TRANSIT: NONE



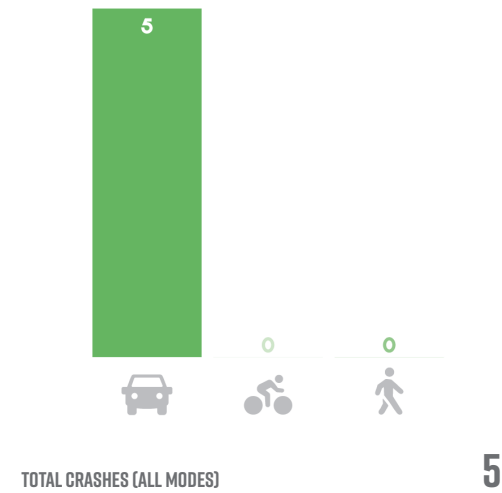
CRASH SEVERITY



VEHICLE CRASH TYPES



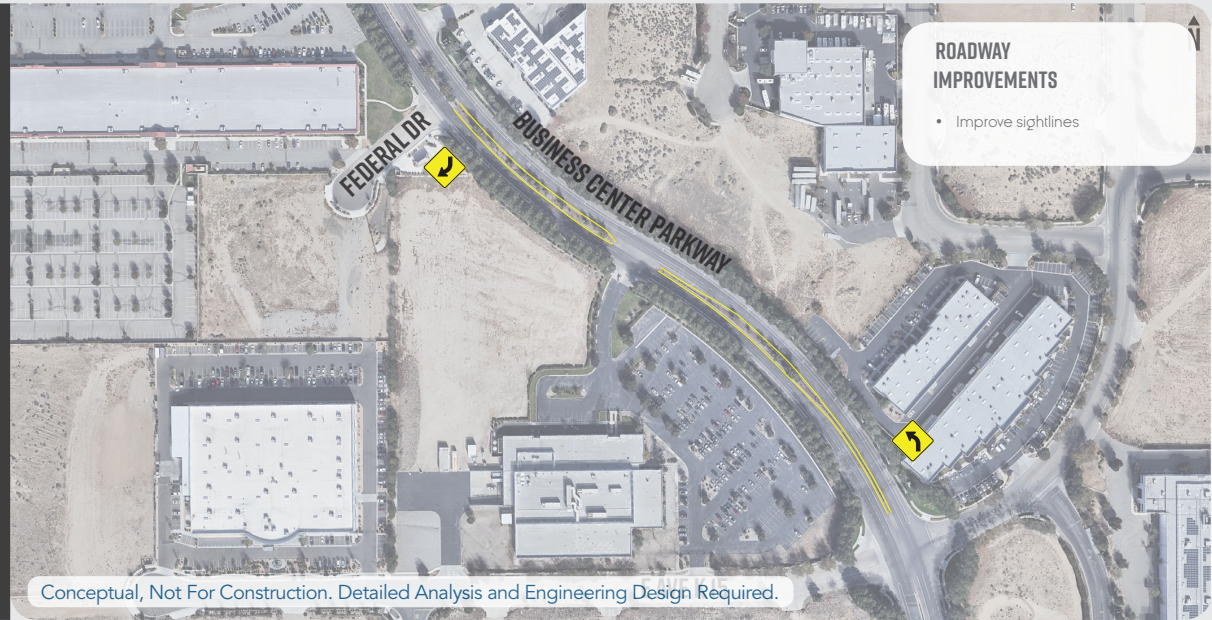
CRASHES BY MODE



Crash data analysis years: 2013-2017

COUNTERMEASURE OBJECTIVES

- REDUCE HIT OBJECT CRASHES
- REDUCE NIGHTTIME CRASHES
- REDUCE ALCOHOL/DRUG RELATED CRASHES



SHORT-TERM

CMID	Project Description	Cost
N/A	Targeted Enforcement	N/A
R28	Install curve advance warning signs	\$2,200
R2	Remove or relocate fixed objects outside of Clear Recovery Zone - Remove/trim some trees to improve sight lines for signs and flashing beacons	\$6,650

MID-TERM

CMID	Project Description	Cost
R31	Install delineators, reflectors and/or object markers (Detail 25)	\$1,320
R32	Install edge-lines and centerlines (Detail 25)	\$3,960

LONG-TERM

CMID	Project Description	Cost
<b>OTHER COSTS</b>		
	Project Description	Cost
	Mobilization	\$1,413
	Traffic Control	\$1,413
	Contingency	\$3,391
	Environmental	\$1,500
	PS&E	\$2,200
	Appraisals, Acquisitions, and Utilities	\$0
	Construction Engineering	\$2,200
	<b>COST ESTIMATES</b>	<b>\$26,247</b>

EXPECTED BENEFIT/COST RATIO\*

6.5