

# Lafayette Local Road Safety Plan

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Local Road Safety Plan Task Force Meeting #1

9/22/2022

# Today's agenda for discussion

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- Introductions
- Purpose of Task Force and roles of Task Force members
- Overview of Vision Zero and Local Road Safety Plans
- Review and refine Goals and Objectives
- Preliminary safety data discussion
- Overview of engagement strategy
- Next steps and project schedule
- Final comments and discussion

# Welcome and Introductions

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## Presenters

- Patrick Golier, City of Lafayette, City Project Manager
- Brian Almdale, Toole Design, Consultant Project Manager
- Lauren Pepe, Toole Design, Consultant Deputy Project Manager

# Welcome and Introductions

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Name	Title/Role
<b>Teresa Gerringer</b>	Lafayette City Council, Mayor
<b>Susan Candell</b>	Lafayette City Council
<b>Mike Moran</b>	City of Lafayette Public Works
<b>Patrick Golier</b>	City of Lafayette Engineering
<b>Greg Brown</b>	Lafayette Transportation and Circulation Commission
<b>Stella Wortherspoon</b>	Alternate, Lafayette Transportation and Circulation Commission

# Welcome and Introductions

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Name	Title/Role
<b>Colin Clarke</b>	Contra Costa Transportation Authority
<b>Greg Barnes</b>	Lafayette School District
<b>Tommy Rodriguez</b>	Acalanes School District
<b>Chief Ben Alldritt</b>	Lafayette Police Department
<b>Kirstin Riker</b>	511 Contra Costa
<b>Luz Gomez</b>	Contra Costa Health Services

# Welcome and Introductions

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Name	Title/Role
Emily Warming	Contra Costa Health Services
Katie Santos	Lafayette Chamber of Commerce
Mark Dreger	At-Large Community Member
Jenifer Paul	At-Large Community Member

# Meeting norms and agreements

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- Meeting will be recorded.
- Camera on is encouraged.
- Use raise hand function; mute if not speaking.
- Speak your truth and recognize that others' truths are true for them.
- Give everyone a chance to participate equally; avoid dominating.
- Listen as an ally, not an adversary.
- Ask for clarification; don't make assumptions.

# Purpose of Task Force + Member Roles

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# Purpose of Task Force

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1. Provide subject matter expertise as it relates to traffic safety
2. Help us understand and incorporate community priorities for the LRSP.
3. Provide feedback and input at key project milestones.
4. Review and collaborate on the LRSP draft.
5. Act as a liaison throughout the process; participate and engage your communities/agencies.

# Roles of Task Force

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- Review Goals and Objectives
- Review crash analysis findings
- Discuss the Safety Countermeasure Toolbox elements
- Review and provide comment on the Draft LRSP
- Attend four LRSP Task Force Meeting

# Task Force Meetings

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- Meeting #1: Introductions, review and refine goals and objectives that will guide the development of the Plan: *9/22/2022*
- Meeting #2: Review and discuss crash analysis findings, discuss priority locations and discuss upcoming field visits: *Tuesday, 11/08/2022*
- Meeting #3: Review and discuss draft safety measure toolbox: *Tuesday, 12/13/2022*
- Meeting #4: Review and discuss draft Plan: *Wednesday, 2/22/2023*

# Questions?

# Overview of Vision Zero and Local Road Safety Plans

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# What is Vision Zero

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- A global initiative to eliminate all traffic fatalities and serious injuries, while increasing safe, healthy, equitable mobility for all.



# What is Vision Zero

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- **Nearly 40,000 people** killed on streets in the U.S.; **hundreds of thousands more** are seriously injured.
- A Vision Zero approach sees these traffic deaths and serious injuries as **preventable**.

# Vision Zero Approach

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## TRADITIONAL APPROACH

- Traffic deaths are **INEVITABLE**
- **PERFECT** human behavior
- Prevent **COLLISIONS**
- **INDIVIDUAL** responsibility
- Saving lives is **EXPENSIVE**

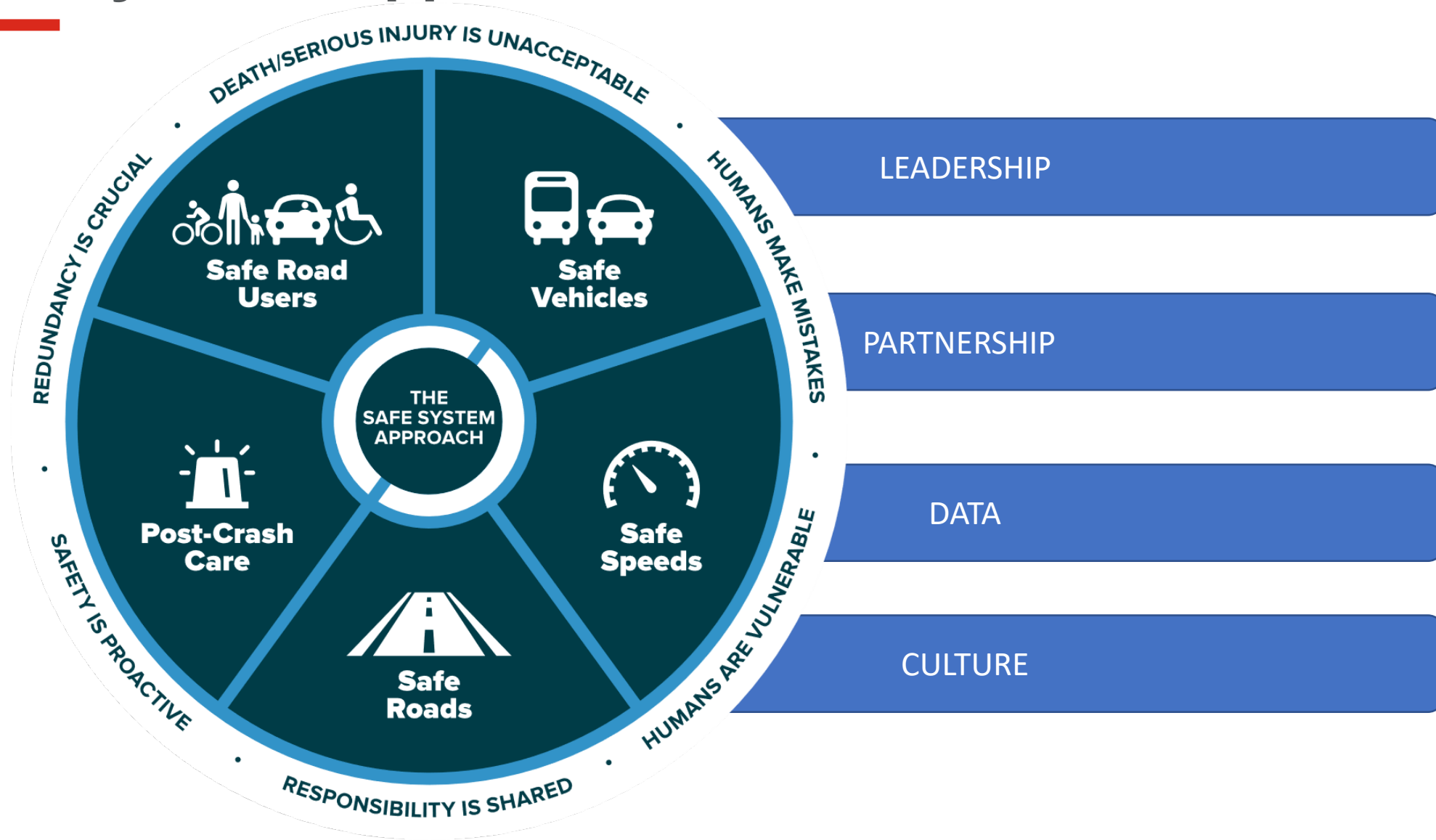
VS

## VISION ZERO

- Traffic deaths are **PREVENTABLE**
- Integrate **HUMAN FAILING** into approach
- Prevent **FATAL AND SEVERE CRASHES**
- **SYSTEMS** approach
- Saving lives is **NOT EXPENSIVE**



# Safe Systems Approach



# Strategies and Actions (examples)



## Safe Road Users

## Safe Vehicles

## Safe Speeds

## Safe Roads

## Post-Crash Care

Partner with youth organizations to create peer-to-peer anti-distraction.

*messaging campaigns*

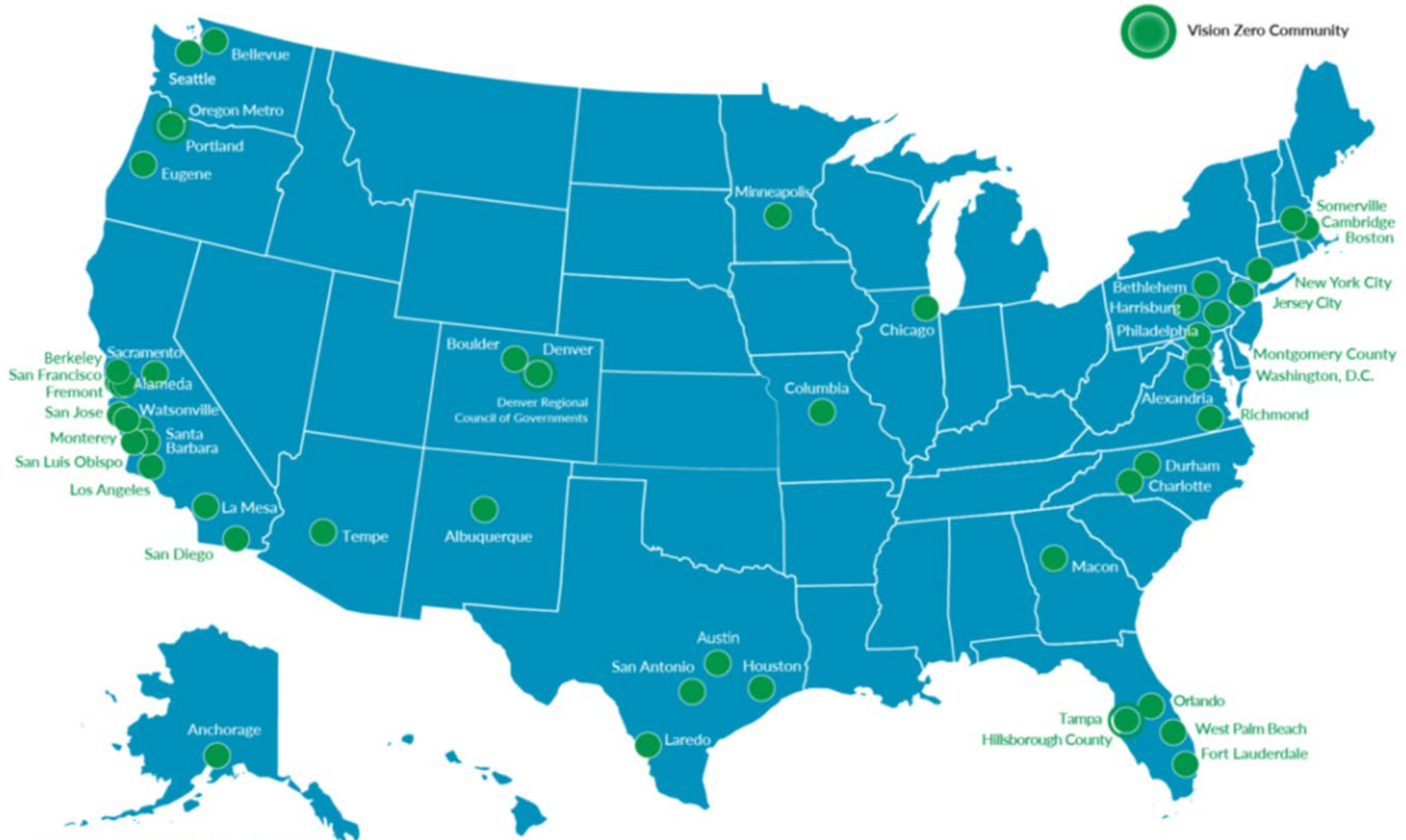
Incorporate proven safety features in specifications for purchase of new large fleet vehicles.

Set context appropriate speeds, and implement speed mitigation measures.

Update street design standards to reflect the latest research and best practices around safety and Complete Streets.

Establish a multidisciplinary rapid response team to evaluate and address fatal and severe injury crashes and crash sites.

# VISION ZERO NETWORK



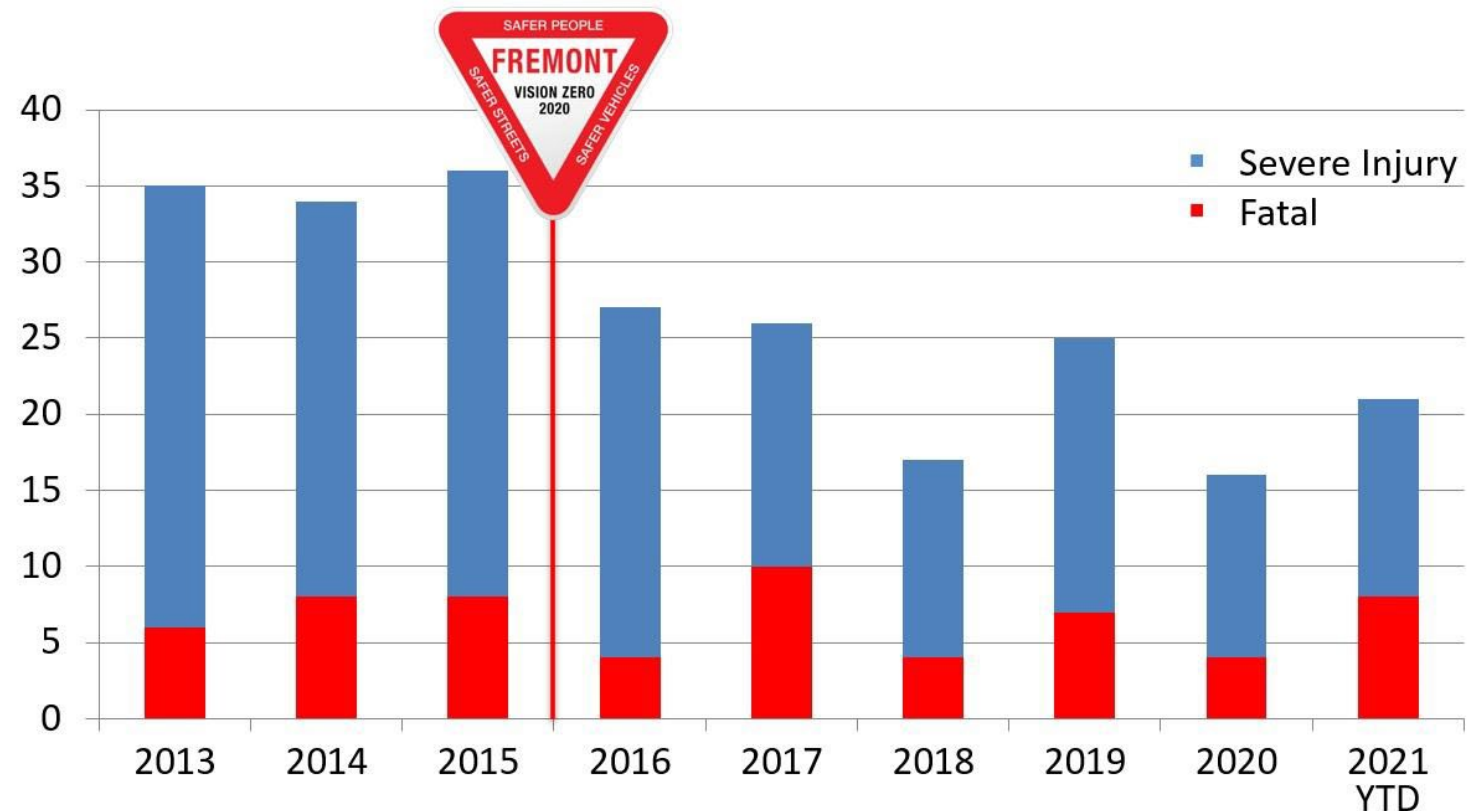
Map update: August 2021

# Vision Zero Success

## Fremont, CA

- Adopted Vision Zero in 2015
- Quick build projects
- Restriped arterial roads
- Constructed protected intersections
- Updated crosswalks
- Reduced number of lanes on several roads

## Fremont Major Traffic Crash Trends



\*Data as of 9/30/2021

# What is a Local Roadway Safety Plan (LRSP)?

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- Framework for systematically identifying, analyzing, and prioritizing roadway safety improvements on local roads.
- A LRSP is required by Caltrans in order to be eligible for state funding (HSIP) and some federal grants (SS4A).



*2020–2024 Strategic Highway Safety Plan*



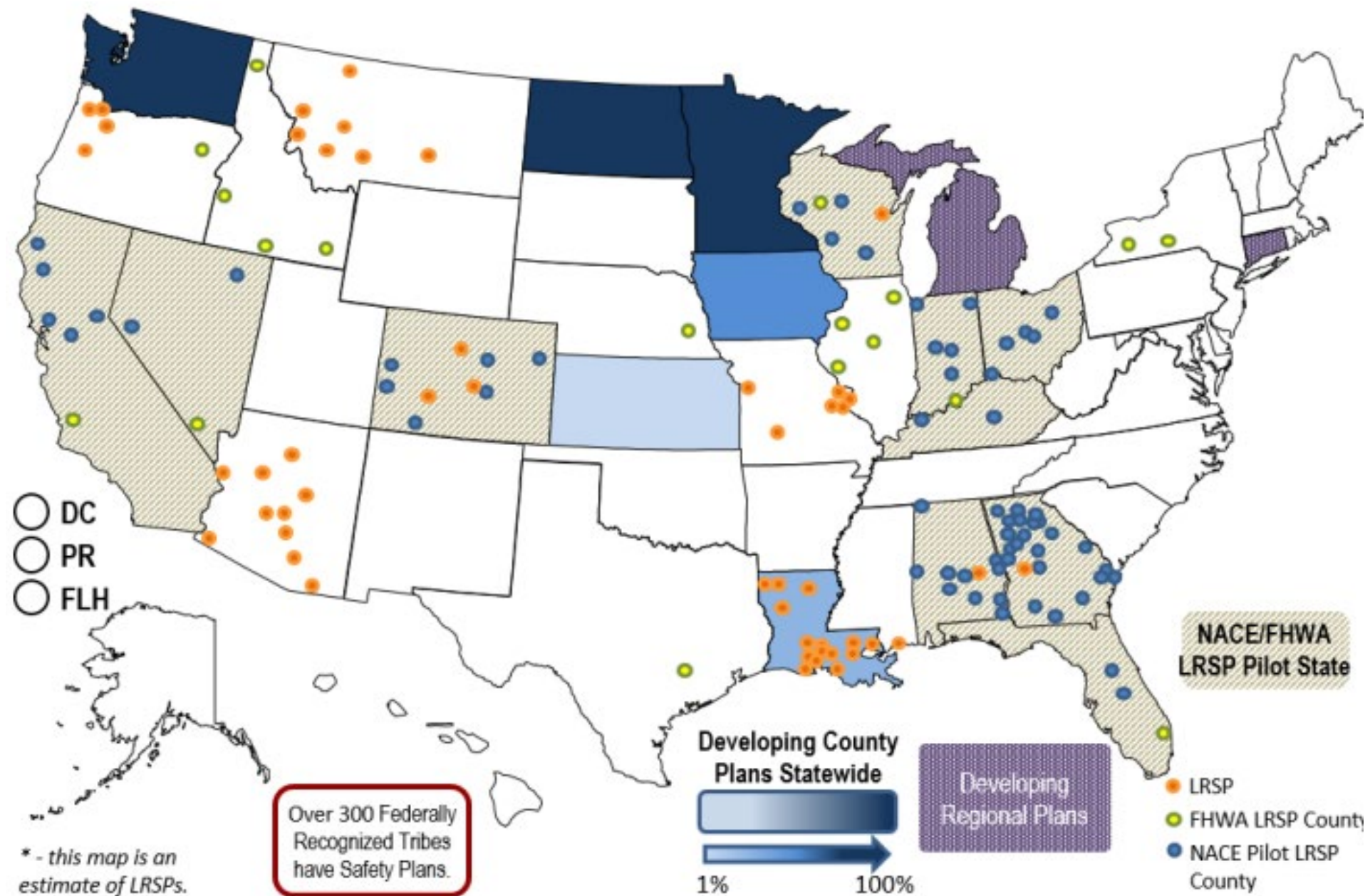
# What is a Local Roadway Safety Plan (LRSP)?

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- Prioritize addressing fatal and serious injury crashes
- Proactive and systemic crash analysis
- List of systemic low-cost and longer-term countermeasures
- Transparent project prioritization process
- Stakeholder partnership and public engagement



# Local Road Safety Plans - 2020\*



# THE LRSP DEVELOPMENT PROCESS





# Vision Zero and LRSP Relationship

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- Some agencies interested in Vision Zero begin with a LRSP
  - or supplement initial Vision Zero policies with a LRSP
- The process of developing an LRSP can be tailored to local protocols, needs, and issues.
- Updating LRSPs can help update the data analysis element in a Vision Zero process or help inform data collection needs
- LRSPs can get multiple agencies together to collaboratively discuss safety needs and solutions

# Questions?

# Review and Refine Goals and Objectives

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# Goals

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- 1. Goal:** *Engage with the local community, stakeholders, and different city agencies to better understand factors that are affecting the traffic safety within the City of Lafayette.*
- 2. Goal:** *Promote a safety culture throughout the community and within different agencies.*
- 3. Goal:** *Implement a data-driven approach to identify where and why traffic collisions are occurring.*
- 4. Goals:** *Prioritize traffic safety countermeasures and programmatic recommendation investments to advance Lafayette's Vision Zero goals.*
- 5. Goals:** *Produce a plan to build safer streets for all.*

# Goals

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## ***1. Goal: Engage with the local community, stakeholders, and different city agencies to better understand factors that are affecting the traffic safety within the City of Lafayette.***

- **Objective:** Develop a project Task Force to help guide the development of the LRSP.
- **Objective:** Develop project website to share LRSP progress, engagement opportunities, project updates, and draft deliverables.
- **Objective:** Host a public meeting/event to engage the public to share project updates and collect local knowledge, concerns, and opportunities.
- **Objective:** Provide project updates and collect input/feedback through public hearings with City Council and the City's Transportation & Circulation Commission.
- **Objective:** Develop an interactive webmap and survey to collect from the public location-based safety related concerns.

# Goals

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## ***2. Goal: Promote a safety culture throughout the community and within different agencies.***

- **Objective:** Maintain regular communication with public and with City partners the importance of traffic safety to create a culture of safety in Lafayette. Continuous engagement and education efforts should be maintained to help contribute to a safety culture that values human life over expediency and self-interest. Everyone must think about their role in contributing to a safe transportation system. This means knowing and following the law, looking out for one another, and using good judgment.
- **Objective:** Include people from various departments, agencies, and the community in the development of the plan to ensure everyone has a role to play in creating a safe Lafayette to live, work, and play in.

# Goals

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## ***3. Goal: Implement a data-driven approach to identify where and why traffic collisions are occurring.***

- **Objective:** Conduct a systemic and proactive collision analysis of Lafayette's road network.
- **Objective:** Use quality data and the latest analytical processes to better understand crash causation and crash risk.
- **Objective:** Identify high priority locations using historical crash data and analysis, proactive systemic safety analysis, stakeholder input, and an in-person field visit.

# Goals

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## ***4. Prioritize traffic safety countermeasures and programmatic recommendation investments to advance Lafayette's Vision Zero goals.***

- **Objective:** Identify countermeasures utilizing strategies across all traffic safety disciplines, engineering, enforcement, education, emergency medical services, and emerging technologies.
- **Objective:** Develop a safety countermeasure toolbox that includes systemic low-cost and longer-term countermeasures that are specific to Lafayette's crash patterns.
- **Objective:** Produce a list of engineering projects pulling from resources included in the safety countermeasure toolbox aimed at improving roadway safety for all.
- **Objective:** Include an assessment of current policies, plans, guidelines, and/or standards to identify opportunities to improve how processes prioritize safety.



# Goals

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## ***5. Produce a plan to build safer streets for all.***

- **Objectives:** Use the safety countermeasure toolbox and priority locations to proactively address crash risk throughout Lafayette.
- **Objective:** Utilize the best available data and publicly collected feedback to produce a prioritized list of engineering project that can be submitted for grant application processes.
- **Objective:** Conduct a cost-benefit analysis for all potential projects in the LRSP as part of the prioritization analysis.
- **Objective:** Ensure that the plan includes recommendations and tools that will enable the city to measure safety trends and update the progress of the plan over time.

# Questions/Discussion?

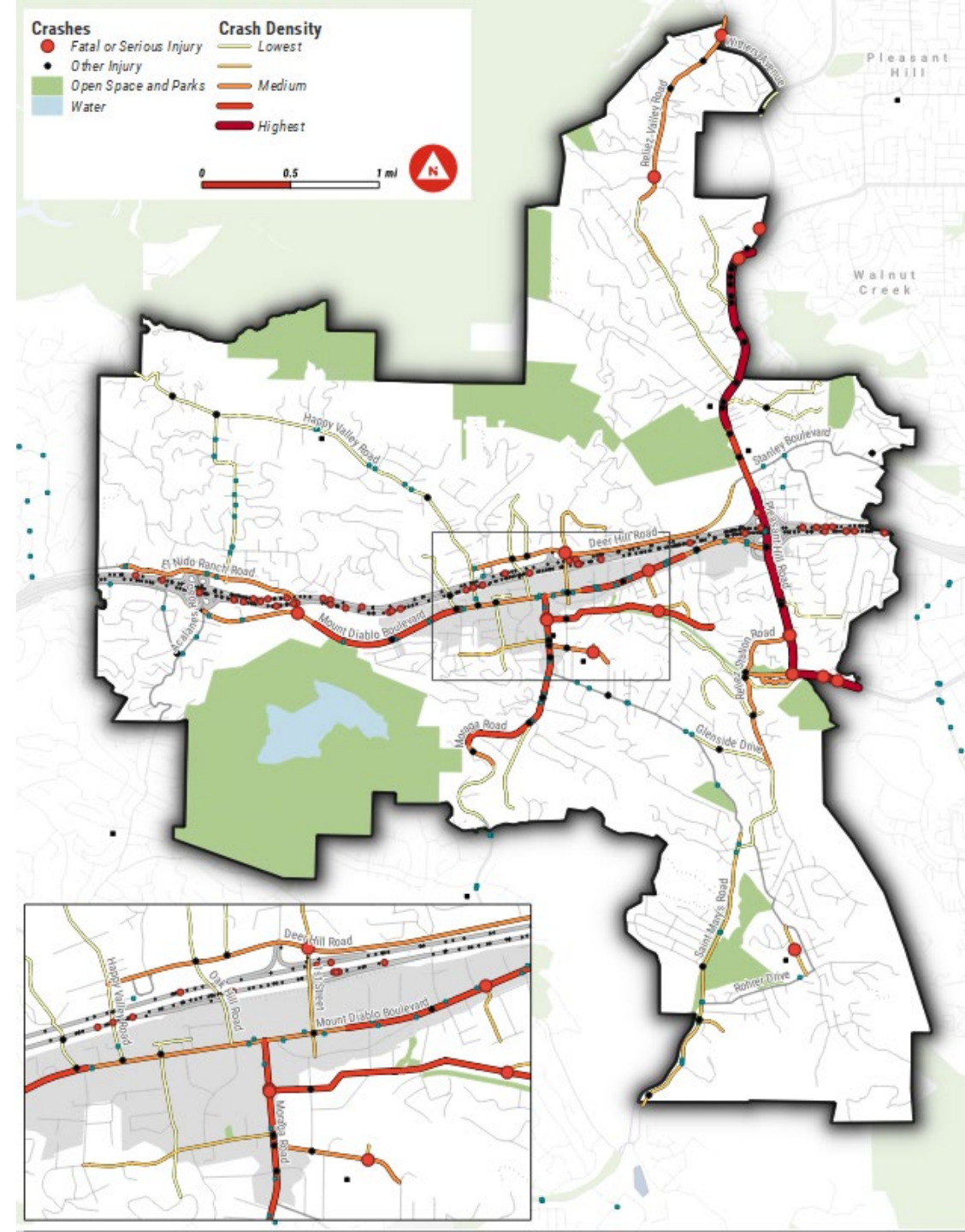
# Preliminary safety data discussion

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# Safety Statistics

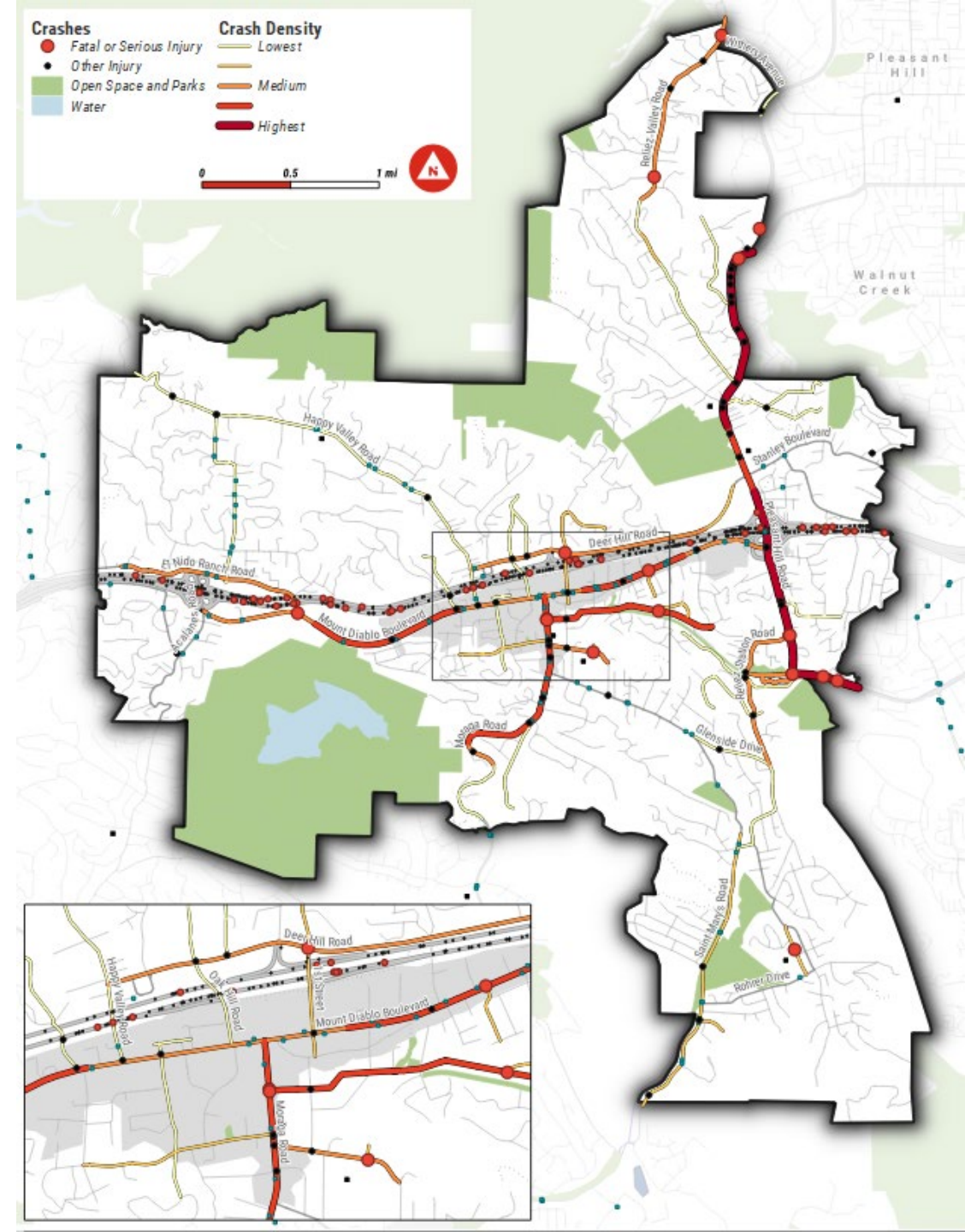
- Conducting systemic safety analysis
- Data-driven approach + national research to inform LRSP
- Proactively prioritize fatal and serious injury crashes
- Crash Data: SWITRS via TIMS



# Safety Statistics

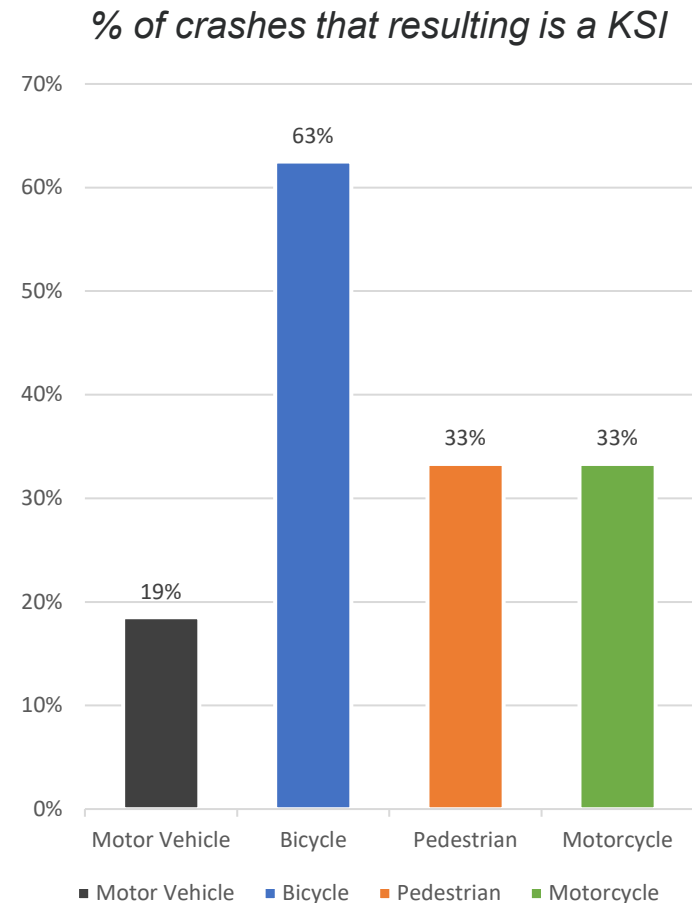
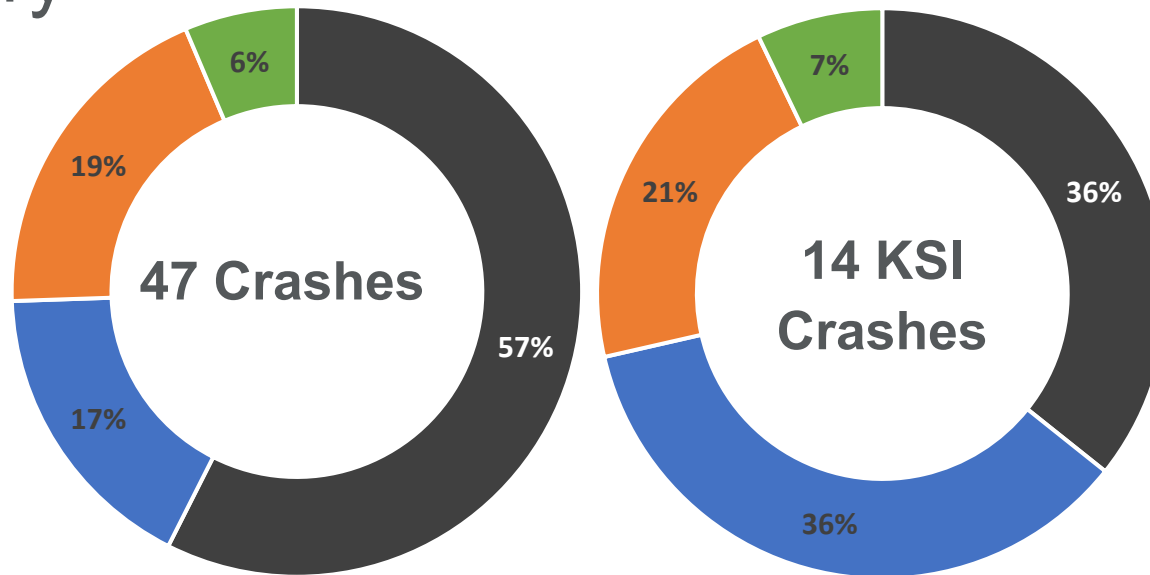
- 408 crashes (2017-2021)
  - 361 (35 KSI) along CA-24
  - 47 (14 KSI) local streets
- Crashes concentrated along busier streets

KSI = Fatal or Serious Injury



# Safety Statistics

- Bicyclist, pedestrian, and motorcyclists are most at risk for serious injury



# Safety Statistics

## (Lafayette)

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**Most Fatal and Serious Injury Crashes Occurred at Intersections**



particularly at **unsignalized intersections**



followed by **traffic signals**



**Functional Classification**

Streets with higher functional classification accounted for the largest share of fatal and serious injury crashes



**Posted Speed Limit**

Streets with higher posted speed limits accounted have more crashes and severe crashes on a per-mile basis

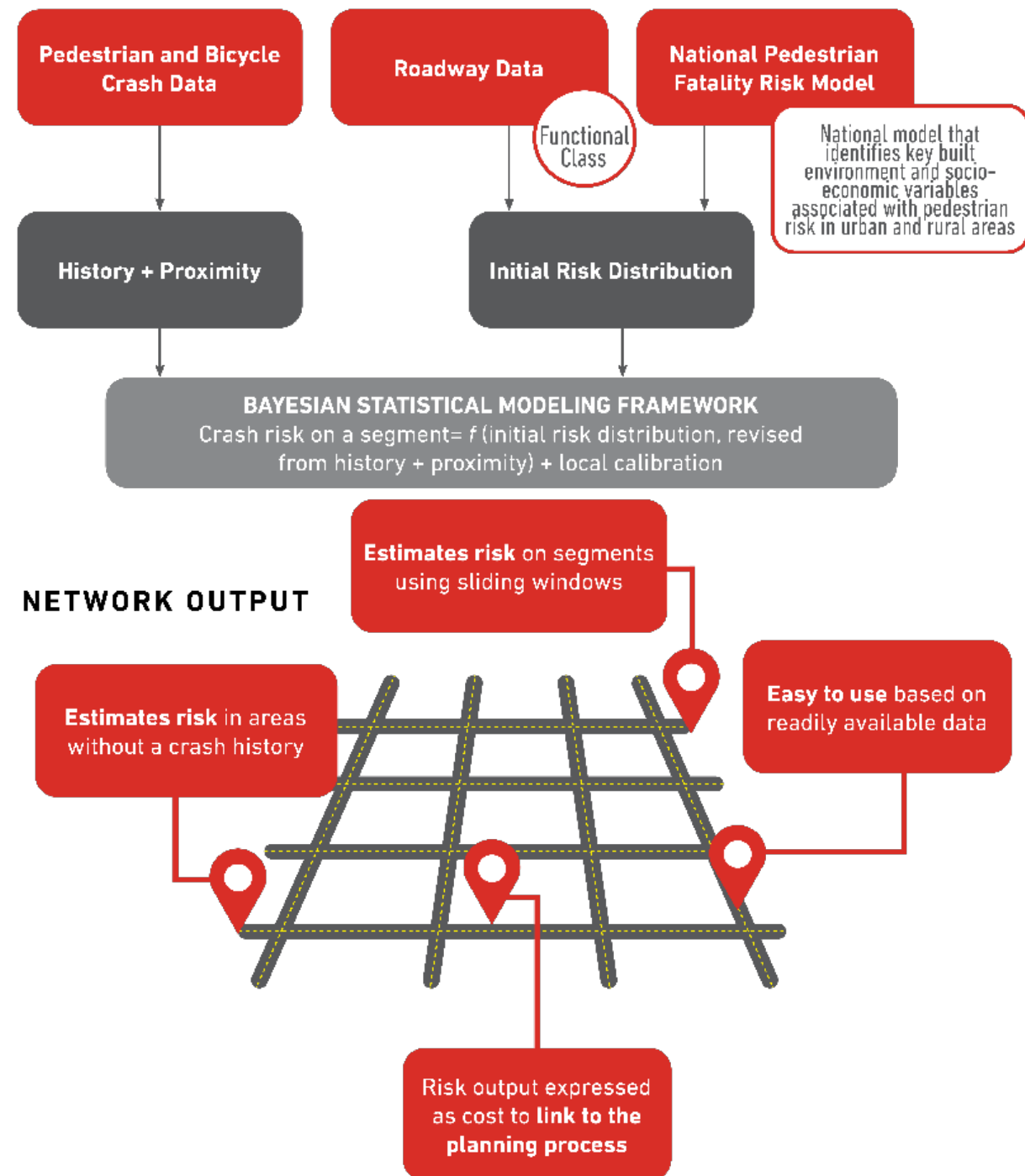


# Safety Statistics

## Safer Street Priority Finder

1. Sliding Window Analysis for identifying historic crash density
2. Bayesian Model for estimating future crash risk

A deeper dive into the crash data and analysis will occur during the Task Force meeting #2.





# Questions?

# Public Engagement

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# Overview of Engagement Strategy

## Goals

- **Gather feedback** from community members, including hard-to-reach constituents
- **Understand transportation safety issues**, including all modes
- **Educate and prioritize VZ goals**
- **Create space to build compromise and consensus** behind recommendations
- **Build momentum and support** for the future implementation of engineering projects that meet VZ goals

## Timeline

Phase	Description
<b>Phase 1: Imagine (Aug-Oct)</b>	Gather community input on existing conditions, traffic safety challenges and opportunities, and develop a community vision for safer streets <ul style="list-style-type: none"><li>• Online survey</li><li>• Public Meeting</li></ul>
<b>Phase 2: Iterate (Nov-Jan)</b>	Gather input on proposed countermeasures and projects
<b>Phase 3: Implement (Jan-March)</b>	Gather input on Draft Plan

Throughout: Webpage, Public Hearings, Task Force Meetings

# Phase 1: Imagine

## Webmap Survey

- Introduce LRSP and VZ efforts to the public
- Share key findings from crash analysis
- Gather specific and general input on roadway safety concerns
  - Includes map-based input

### Goal and Purpose of this Webmap

This webmap is an opportunity for those who live, work, and play in Lafayette to provide input on road safety concerns – whether as a pedestrian, someone who rides a bike, or drives a car – and to pinpoint specific locations that should be prioritized in making the City's roads safer. You will be able to add points or draw routes on a map to show exactly where you believe improvements are needed, and you will be able to provide some information on what could be better.

To **add points and lines to the map**, please sign in by adding your email in the box below and clicking on "continue to map." A **short survey** will pop up before editing is active.

Hit "Next" to get started.

Name (optional)

Email address (optional)

**Email is not required; it will be helpful if we have questions about your suggestions.**

For more information on Vision Zero and the LRSP, contact Patrick Golier, the City's new Transportation & Circulation Program Manager via email at [pgolier@lovelafayette.org](mailto:pgolier@lovelafayette.org) or visit <https://www.lovelafayette.org/city-hall/city-departments/engineering/transportation/local-road-safety-plan>

### Deadline

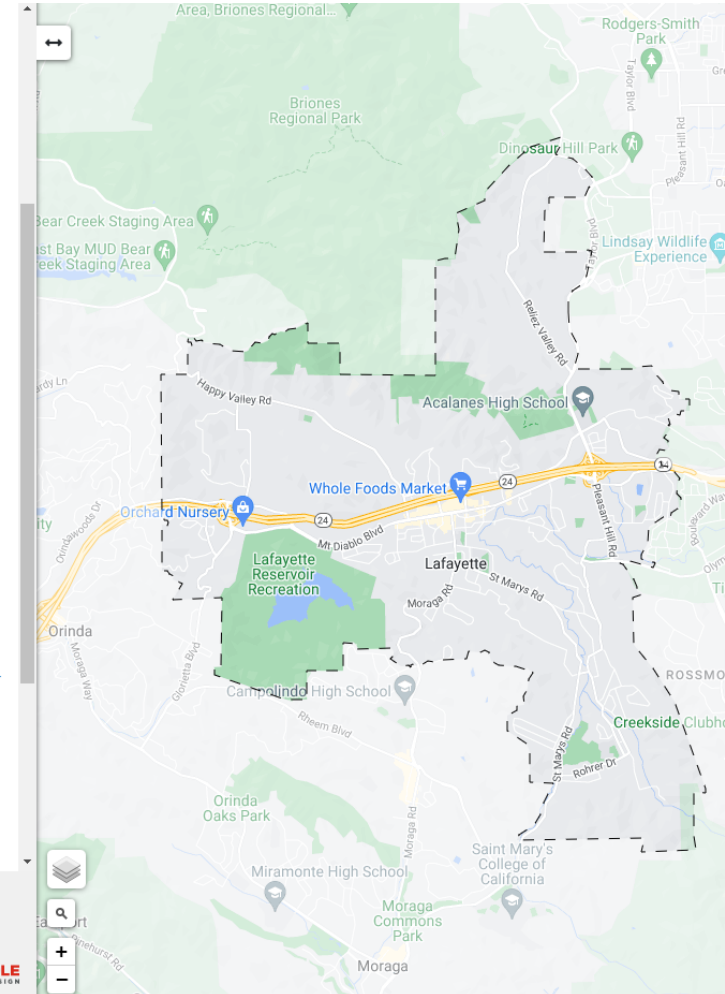
Please provide your input to the webmap by [DATE]. After this date, the webmap will be closed, but you will still have multiple

Don't want to share your information?

[Skip ahead to the map.](#)

Select Language    
 Powered by [Google Translate](#)

Map Tiles © Google | Leaflet | **TOOLE** DESIGN



# Phase 1: Imagine

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## Public Meeting

- Tuesday, October 25 (tentative)
- Virtual – presentation with facilitated breakout rooms
- Purpose:
  - VZ and LRSP overview
  - Crash analysis findings
  - Facilitate discussions around traffic safety to coincide with online webmap survey
  - Allow attendees to contribute their priority locations and provide notes on opportunities
- Other considerations

# Questions/Discussion?

# Next steps



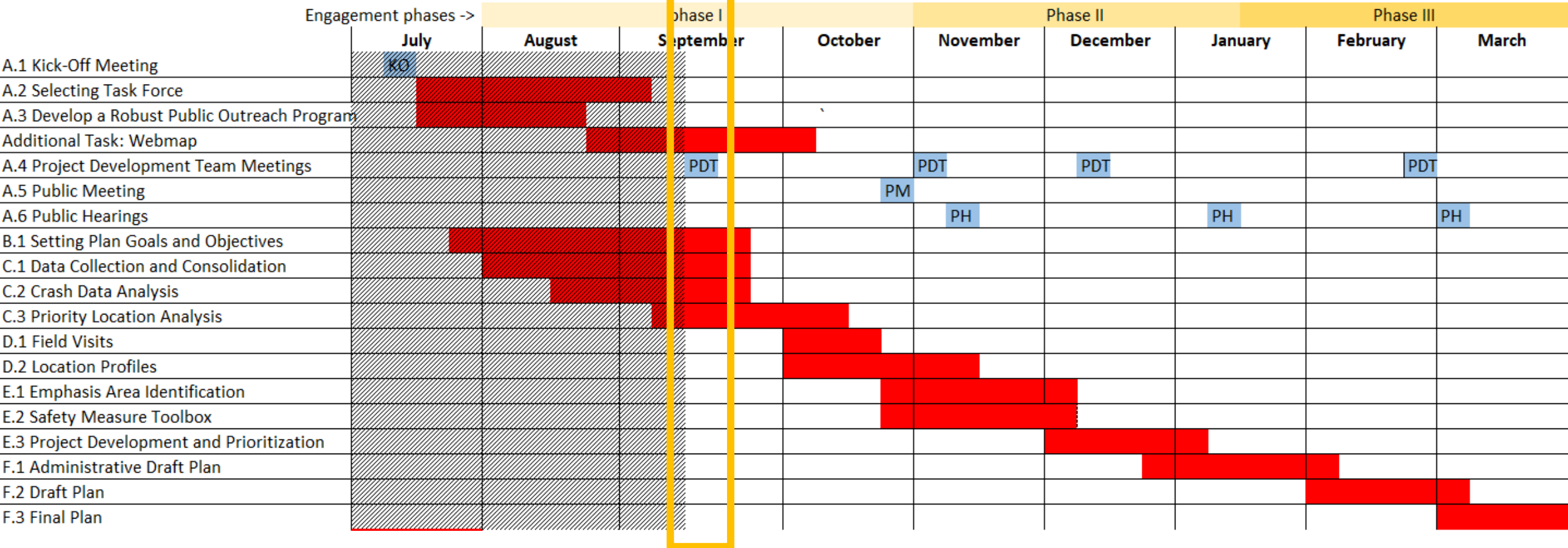
# Next Steps

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- Follow-up email and materials coming
- VZ Task Force Meeting #2:
  - Determine date: *November 8, 2022*
  - Review and discuss crash analysis findings
  - Discuss priority locations
  - Discuss field visits
- Help us get the word out about the webmap survey! Link forthcoming



# Next Steps



**T'OOLE**  
DESIGN

# Thank you

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[www.tooledesign.com](http://www.tooledesign.com)