

Local Roadway Safety Plan

Stakeholder Meeting #1 June 28, 2023 11:00 am



Agenda

- Introductions
- What is a Local Roadway Safety Plan (LRSP?)
- LRSP Process
- Your Role as a Safety Champion
- Preliminary Collision Analysis Findings
- Emphasis Areas
- Project Website and Interactive Map Input Walk-Through
- Discussion
- Next Steps





Introduction

What is a Local Roadway Safety Plan (LRSP)?

Overarching Goals:

- Systematically identify and analyze active transportation problems and recommend improvements
- Improve the safety of all road users by using proven effective countermeasures
- Coordinate with key Stakeholders to implement roadway safety improvements and response within Gridley
- Continually leverage existing resources to secure additional funding for safety improvements
- Ensure that safety improvements are made in a manner that is fair and equitable for all Gridley residents, especially disenfranchised communities

Considers engineering and non-engineering strategies:

 5 E's of Traffic Safety: Education, Enforcement, Engineering, Emergency Medical Services (EMS), and Equity



LRSP Process

- Five-years of collision data (2018-2022) on local roadways, including non-freeway state routes (SR 99 within city limits)
- Collision analysis
 - Identification of collision trends: collision types, severity, violation category, lighting conditions, etc.
 - Geographic analysis: spatial identification of top trends
- Identification of high-injury intersections and mid-block (roadway segment) locations
- Identification of emphasis areas
- Identification of viable countermeasures and develop a countermeasure toolbox
- Develop safety projects for high-risk locations

Your Role as a Safety Champion!

- Comments on the presentation
- Tell us about your traffic safety related issues or concerns
- Tell us what you heard from the members of the community
- Help set the goals and objectives of the LRSP
- Share with us any ideas for programs/safety measures under the E categories (Education, Enforcement, Engineering and EMS)
- Report your concerns in a map-based survey at <u>https://www.GridleyRoadSafetyPlan.com/</u>
- Share the survey with everyone
- Stay informed about the project!





Collision Analysis Findings



Collision Analysis Findings

Roadway

Segment

11%

Total Collisions KSI Collisions



Collision Type

Collisions by Motor Vehicle Involved With

Intersection

81%



Primary Violation Categories



Geographic Collision Analysis



27% of total collisions were Broadside

27% of total collisions were caused due to Automobile Right of Way Violations

Geographic Collision Analysis



22% of total collision were Rear End

30% of total collisions occurred at Night

Geographic Collision Analysis

6% of total collisions were Pedestrian and Bicycle Collisions



Equivalent Property Damage Only (EPDO) Score

Collision Severity	EPDO Score		
Fatal and Severe Injury Combined	165		
Visible Injury	11		
Complaint of Pain	6		
Property Damage Only (PDO)	1		

EPDO Score =

(165 x # of Fatal Collisions) +

(165 x # of Severe Injury Collisions) +

(11 x # of Other Visible Injury Collisions) +

(6 x # of Complaint of Pain Collisions) +

(1 x # of PDO Collisions)

(Source: Local Roadway Safety Manual 2022, Caltrans)



High-Injury Intersections



High-Injury Corridors

ID	Corridor	Total Injury Collision s	Length (miles)	Severity Weight
A	SR 99: Within City Limits	17	1.6	1245
B	Magnolia St: SR 99 to Park St	6	0.62	210
с	Cherry St: SR 99 to Haskell St	3	0.12	182
D	Hazel St: SR 99 to Haskell St	2	0.17	171
E	Heron Landing Way: Indiana St to West City Limit	1	0.3	165
F	Virginia St: Hazel St to Washington St	1	0.45	165
G	Sycamore St: Jackson St to Nevada St	8	0.6	207
H	Ohio St: Heron Landing Way to Ash St	3	1	33
I	Vermont St: Peach St to South City Limit	3	0.8	23

Top Emphasis Areas

- Improve Intersection safety
- Address Broadside collisions
- Address Rear-end collisions
- Address Nighttime collisions
- Address Pedestrian and Bicycle collisions
- Address collisions on SR 99

Objective:										
Reduce the number of KSI collisions at intersections.										
	Strategy	Performance Measure	Agencies/ Organizations							
Education	Conduct public information and education campaign for intersection safety laws regarding traffic signals, stop signs, and turning left or right.	Number of education campaigns or residents reached.	City/Police Department							
Enforcement	Targeted enforcement at high-injury intersections to monitor right-of- way violations, traffic signal and sign violations that occur at intersections.	Decrease in number of citations and/or warnings issued over time due to increased driver compliance.	Police Department							
Engineering	 S01/NS01, Add lighting S02, Improve signal hardware: lenses, back-plates with retroreflective borders, mounting, size, and number S03, Improve signal timing S09, Install raised pavement markers S16/NS04/NS05, Convert intersection to roundabout NS06, Install/upgrade larger or additional stop signs or other intersection warning/regulatory signs NS07, Upgrade intersection pavement markings NS08, Install Flashing Beacons at Stop-Controlled Intersections NS09, Install flashing beacons as advance warning (Non-Signalized Intersection) (NS.I.) NS10, Install transverse rumble strips on approaches NS11, Improve sight distance to intersection (Clear Sight Triangles) NS13, Install splitter-islands on the minor road approaches NS14, Install raised median on approaches NS19PB, Install raised medians (refuge islands) Automated Red-light Enforcement 	Number of intersections improved.	City							
EMIS	S05, Install emergency vehicle pre-emption systems Improve resource of deployment for emergency responses to collision sites. Ensure emergency routes are clear and well defined	EMS vehicle response time.	City/Fire Department & EMS Response Teams							
			TO							

Project Website is Live!

🔒 gridleyroadsafetyplan.com



ON HISTORY PROJECT UPDATES

PROVIDE FEEDBACK CONTACT

LOCAL ROADWAY SAFETY PLAN

PROJECT OVERVIEW



The City of Gridley is developing a comprehensive Local Roadway Safety Plan (LRSP). The LRSP would enable the City to enhance traffic safety for all modes of transportation for all ages and abilities.

The overarching goal is to develop a successful LRSP by utilizing the historic collision database to create a decision-making process that relies on a partnership with stakeholders and public outreach using the four "E's of traffic safety: Engineering, Enforcement, Education, and Emergency Medical Services".

Scroll down to view the project area.

Provide Feedback





REPORT YOUR AREA OF CONCERN

Your input is essential for the success of this Local Roadway Safety Plan. Select the button below to provide us with your concerns regarding traffic and safety.



REPORT YOUR AREA OF CONCERN

For further updates, check project updates or subscribe to receive notifications.

Tell us your concerns on the map!



Discussion

Next Steps

- Summarize stakeholder and public input
- Identify and prioritize engineering countermeasures and non-engineering strategies
- Develop safety projects for all high-injury locations
- Stakeholder Meeting #2

