



# LOCAL ROADWAY SAFETY PLAN CIAB/PUBLIC WORKS COMMISSION

July 17, 2024



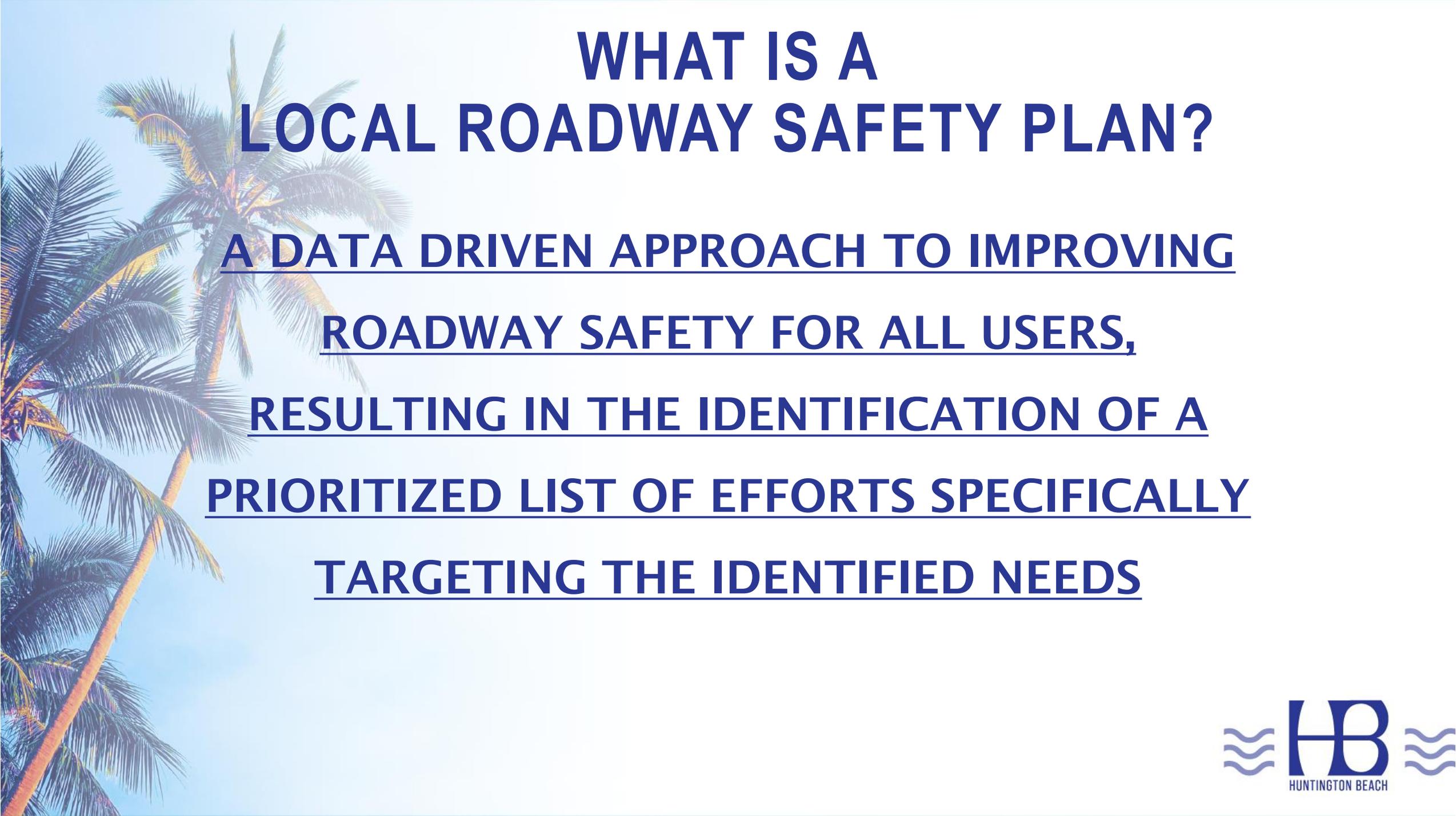


# LOCAL ROADWAY SAFETY PLAN– OVERVIEW

- **Goals**
  - Provide a brief history of the Local Roadway Safety Plan (LRSP) effort
  - Explain the need for a LRSP
  - Review the overall approach, recommendations and use of the LRSP
  - Provide an introduction to the report
- **Structure**
- **Key Concepts**
- **Future Use of the Document**

# DOCUMENT ORGANIZATION

- **Executive Summary**
  - Very brief overview of the document – no details
- **Introduction**
  - Essentially summarizes the overall study – the best quick overview
- **Section 3.0 – 5.0**
  - Substantial detailed analysis – lots of data and looking at similar data from different perspectives
- **Sections 6.0-7.0**
  - Detailed review of measures (engineering and non-engineering)
- **Section 8.0**
  - Identification of Safety Projects to consider
- **Section 9.0**
  - Program Oversight



# WHAT IS A LOCAL ROADWAY SAFETY PLAN?

A DATA DRIVEN APPROACH TO IMPROVING  
ROADWAY SAFETY FOR ALL USERS,  
RESULTING IN THE IDENTIFICATION OF A  
PRIORITIZED LIST OF EFFORTS SPECIFICALLY  
TARGETING THE IDENTIFIED NEEDS

# DATA, RESEARCH & ANALYSIS

## • Collision Data

- Statewide Integrated Traffic Records System
  - Reporting of all accidents with HB
- Office of Traffic Safety
  - Comparison benchmarks with similar cities

## • Stakeholders

- OC Health Care Agency
- HB Police Department
- HB Fire Department
- HB City School District
- Ocean View School District
- OCTA
- OC Bike Coalition
- Visit HB

## • Analysis

- Guided by Caltrans' Local Roadway Safety Manual 2022
  - Collision history
  - Equivalent Property Damage Only scores
- Identification of Countermeasures
- Prioritization

# COLLISION DATA ANALYSIS

Table 4.1: Collisions by Facility Type

	Signalized Intersection		Non-Signalized Intersection		Mid-Block Location		Total
	Collisions	% of type	Collisions	% of type	Collisions	% of type	
All Collisions	1,929	27%	3,371	47%	1,895	26%	7,195
Bicycle Collisions	132	22%	303	50%	168	28%	603
Pedestrian Collisions	76	25%	168	55%	61	20%	305

Source: SWITRS, 2016-2020

# COLLISION DATA ANALYSIS

Table 4.2: Collision Types by Facility Type

Collision Type	Signalized		Non-Signalized		Mid-Block		Total	
	Collisions	%	Collisions	%	Collisions	%	Collisions	Share
Rear End	515	26.7%	925	27.4%	636	33.6%	2,076	28.9%
Broadside	733	38.0%	937	27.8%	373	19.7%	2,043	28.4%
Sideswipe	205	10.6%	545	16.2%	343	18.1%	1,093	15.2%
Hit Object	166	8.6%	401	11.9%	266	14.0%	833	11.6%
Head-On	148	7.7%	149	4.4%	71	3.7%	368	5.1%
Other	38	2.0%	164	4.9%	79	4.2%	281	3.9%
Vehicle/Pedestrian	62	3.2%	142	4.2%	48	2.5%	252	3.5%
Overtaken	23	1.2%	53	1.6%	49	2.6%	125	1.7%
Not Stated	39	2.0%	55	1.6%	30	1.6%	124	1.7%
<b>Total</b>	<b>1,929</b>	<b>100%</b>	<b>3,371</b>	<b>100%</b>	<b>1,895</b>	<b>100%</b>	<b>7,195</b>	<b>100%</b>

Source: SIMTDC 2016-2020

# COLLISION DATA ANALYSIS

Table 4.3: Primary Collision Factor by Facility Type

PCF Category	Signalized		Non-Signalized		Mid-Block		Total
	Collisions	%	Collisions	%	Collisions	%	
Unsafe Speed	320	16.6%	603	17.9%	387	20.4%	1,310
Automobile Right of Way	415	21.5%	536	15.9%	214	11.3%	1,165
Improper Turning	197	10.2%	562	16.7%	386	20.4%	1,145
Driving or Bicycling Under the Influence of Alcohol or Drug	277	14.4%	556	16.5%	301	15.9%	1,134
Traffic Signals and Signs	294	15.2%	182	5.4%	10	0.5%	486
Unsafe Starting or Backing	50	2.6%	201	6.0%	87	4.6%	338
Unsafe Lane Change	69	3.6%	139	4.1%	130	6.9%	338
Following Too Closely	58	3.0%	98	2.9%	103	5.4%	259
Unknown	68	3.5%	108	3.2%	65	3.4%	241
Wrong Side of Road	55	2.9%	101	3.0%	70	3.7%	226
Other Than Driver (or Pedestrian)	25	1.3%	66	2.0%	48	2.5%	139
Pedestrian Violation	23	1.2%	64	1.9%	35	1.8%	122
Pedestrian Right of Way	37	1.9%	57	1.7%	8	0.4%	102
Improper Passing	16	0.8%	20	0.6%	18	0.9%	54
Other Improper Driving	7	0.4%	28	0.8%	13	0.7%	48
Other Hazardous Violation	10	0.5%	24	0.7%	6	0.3%	40
Not Stated	7	0.4%	19	0.6%	10	0.5%	36
Hazardous Parking		0.0%	4	0.1%	2	0.1%	6
Impeding Traffic	1	0.1%		0.0%	2	0.1%	3
Other Equipment		0.0%	3	0.1%		0.0%	3
<b>Total</b>	<b>1,929</b>		<b>3,371</b>		<b>1,895</b>		<b>7,195</b>

Source: SWITRS, 2016-2020

# TECHNICAL ADVISORY COMMITTEE

- **Key in-house department representatives**
  - **Fire**
  - **Police**
  - **Public Works**
  - **Community Development**
- **Outside Agencies**
  - **School districts**
  - **OCTA**
  - **Caltrans**

# RECOMMENDATIONS

- **Walking and Riding**
  - Providing safe spaces for people walking and riding
- **Unsafe Speed**
  - Education, Enforcement and Traffic Calming
- **Intersection Safety**
  - Improved traffic signal components, roadway design, controls and operations
- **Driving/Biking Under the Influence**
  - Long term strategy-education, programs, DUI checkpoints

# RECOMMENDATIONS

- **Table 6.1**
  - **Pedestrian & Bicycle Safety Countermeasures**
- **Table 6.1**
  - **Unsafe Speed Countermeasures**
- **Table 6.3**
  - **Intersection Safety Countermeasures**
- **Tables 7.1 & 7.2**
  - **Non-Engineering Safety Measures**

# LRSP QUESTIONS & COMMENTS

- **Contact Traffic and Transportation Manager - Bob Stachelski with any questions regarding the review or technical questions**
  - Phone: (714) 536-5523
  - E-mail: [bstachelski@surfcity-hb.org](mailto:bstachelski@surfcity-hb.org)
- **Commissioners received a copy of the report as an attachment to the item in the agenda packet**

# QUESTIONS?

