

## **AGENDA DOCUMENTATION**

DATE: AUGUST 25, 2022

TO: TRAFFIC AND PARKING COMMISSION

FROM: TRANSPORTATION ENGINEERING DIVISION

SUBJECT: **ITEM 5**

### **DISCUSSION FOR POSSIBLE ACTION TO CHANGE THE SPEED LIMIT ON MARINER DRIVE FROM LAKE MEAD BOULEVARD TO CORAL SHORES DRIVE, CORAL SHORES DRIVE FROM MARINER DRIVE TO HARBOR ISLAND DRIVE, HARBOR ISLAND DRIVE FROM CORAL SHORES DRIVE TO LAKE MEAD BOULEVARD AND SOFT WINDS DRIVE FROM HARBOR ISLAND DRIVE TO MARINER DRIVE FROM 35 MPH TO 30 MPH - WARD 4 (ANTHONY)**

#### **SITUATION**

In 2018, the Transportation Engineering Division conducted a speed study in the Desert Shores Community. Traveling speeds on most roadways were found to be about 10 mph over the posted speed limit, and in one instance, 17 mph over the posted speed limit. In an effort to mitigate the excessive speeding, the travel lanes were narrowed, bike lanes were installed, and the speed limit was temporarily reduced to 30 mph.

In 2021, the Transportation Engineering Division collected speed data to determine if the improvements were effective in reducing speeds and to evaluate if the temporary speed limits should become permanent. USLIMITS2 was utilized to aid in the evaluation and setting of speed limits, as it assists traffic engineers in the setting of speed limits for specific sections of roadway based on its characteristics in an effort to reduce speeding related fatalities and serious injuries. Comparing the 2021 speed data to the 2018 speed data, most roadways experienced approximately a 5 mph decrease in traveling speeds. The attached details the recommendations from USLIMITS2 for each roadway.

The 35 and 40 mph speed limits are not recommended here, as this roadway network primarily services residential neighborhoods. There are many pedestrians and bicyclists that use these roadways. Maintaining 25 mph and 30 mph speed limits on these roadways will promote safe mobility and accessibility for all transportation system users.

#### **RECOMMENDATION**

The Transportation Engineering Division recommends permanently changing the speed limit from 35 mph to 30 mph on the following roadways:

- Mariner Drive from Lake Mead Boulevard to Coral Shores Drive
- Coral Shores Drive from Mariner Drive to Harbor Island Drive
- Harbor Island Drive from Coral Shores Drive to Lake Mead Boulevard
- Soft Winds Drive from Harbor Island Drive to Mariner Drive

Attachment - Table of USLIMITS2 Recommended Speed Limit												
Street	Termini From	Termini To	Section Length (miles)	Posted Speed Limit (mph)	2018				2021			
					85th Percentile Speed (mph)	50th Percentile Speed (mph)	AADT	US Limits Recommended Speed Limit (mph)	85th Percentile Speed (mph)	50th Percentile Speed (mph)	AADT	US Limits Recommended Speed Limit (mph)
Breakwater Dr.	Harbor Island Dr.	Mariner Dr.	0.7	25	N/A	N/A	N/A	N/A	43	32	909	30
Coral Shores Dr.	Lazarette Dr.	Soft Breeze Dr.	0.6	30	52	43	2,301	45	43	36	2,302	35
Harbor Island Dr.	Point Conception Dr.	Lazarette Dr.	0.6	30	46	37	2,547	35	41	34	1,891	35
Harbor Island Dr.	Point Conception Dr.	Soft Winds Dr.	0.1	30	44	38	2,601	40	39	34	1,798	35
Harbor Island Dr.	Lake Mead Blvd.	Soft Winds Dr.	0.5	30	43	36	5,036	35	40	35	4,616	35
Mariner Dr.	Soft Winds Dr.	Lake Mead Blvd.	0.5	30	43	36	4,358	35	47	39	3,586	40
Mariner Dr.	Breakwater Dr.	Regatta Dr.	0.4	30	45	39	3,911	40	42	35	2,937	35
Soft Winds Dr.	Harbor Island Dr.	Mariner Dr.	0.5	30	N/A	N/A	N/A	N/A	39	33	900	35