



# **ELLA BLVD AT GROVEWOOD LN SAFETY CONCERNS**

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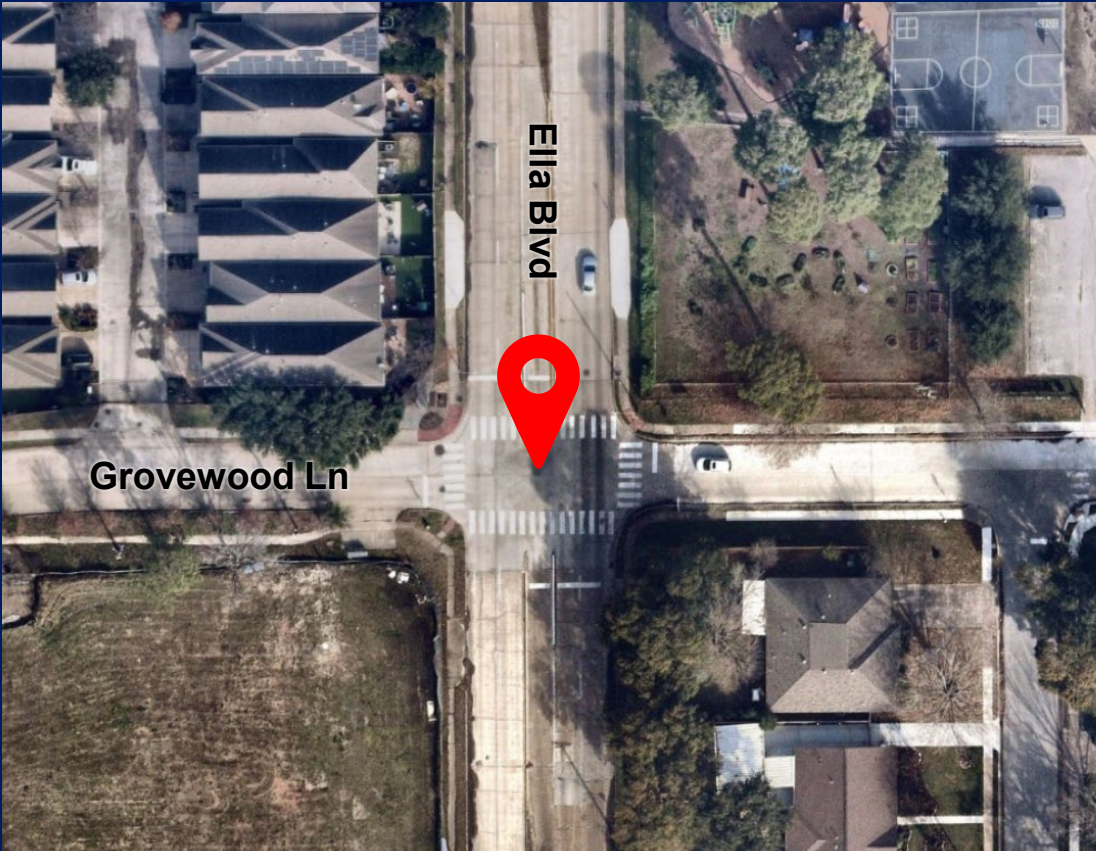
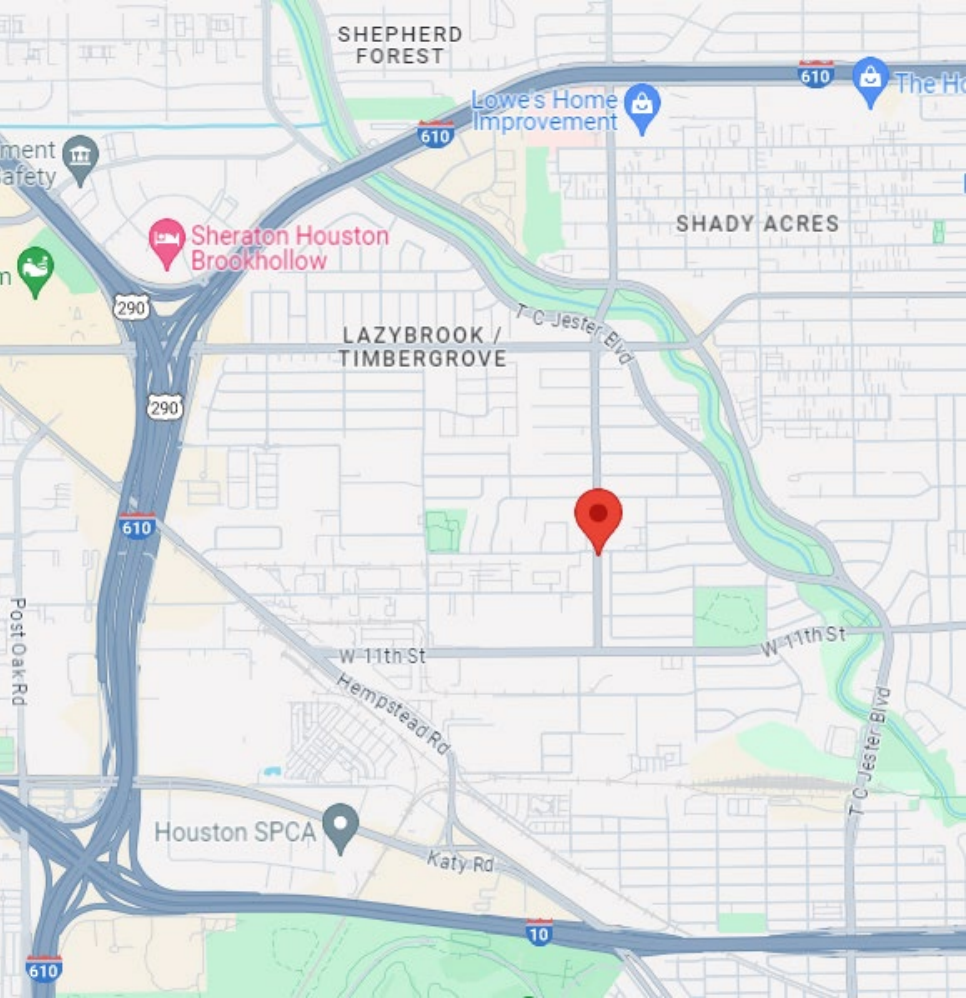
**IAN HLAVACEK, PE  
COMMUNITY MEETING  
JANUARY 23, 2024**

**MULTIMODAL SAFETY & DESIGN**



# INTRODUCTION

## ELLA BLVD AND GROVEWOOD LN



# HISTORY OF REQUESTS

## FROM RESIDENTS AND COUNCIL MEMBER OFFICE

- April 2021 – All way Stop Sign
- September 2021 – Pedestrian Signal
- January 2022 – Traffic Signal
- April 2023 – Raised Crosswalk / Median modification



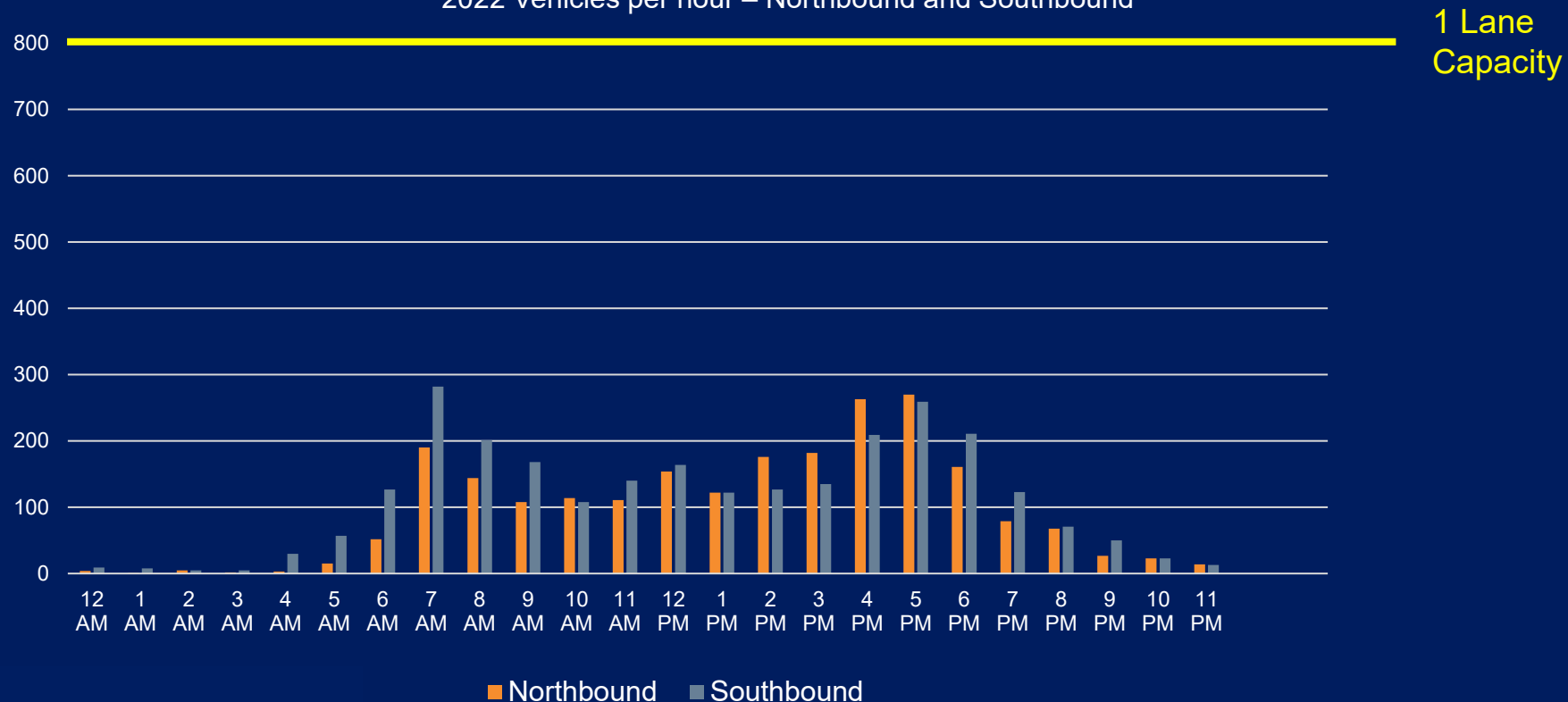
# TRAFFIC VOLUME AND SPEED

## ELLA BLVD AT GROVEWOOD LN

	2019	2021	2022
ADT	4708	3702	4935

- Post Speed Limit: 35 mph
- Actual speed: **39.5 mph**

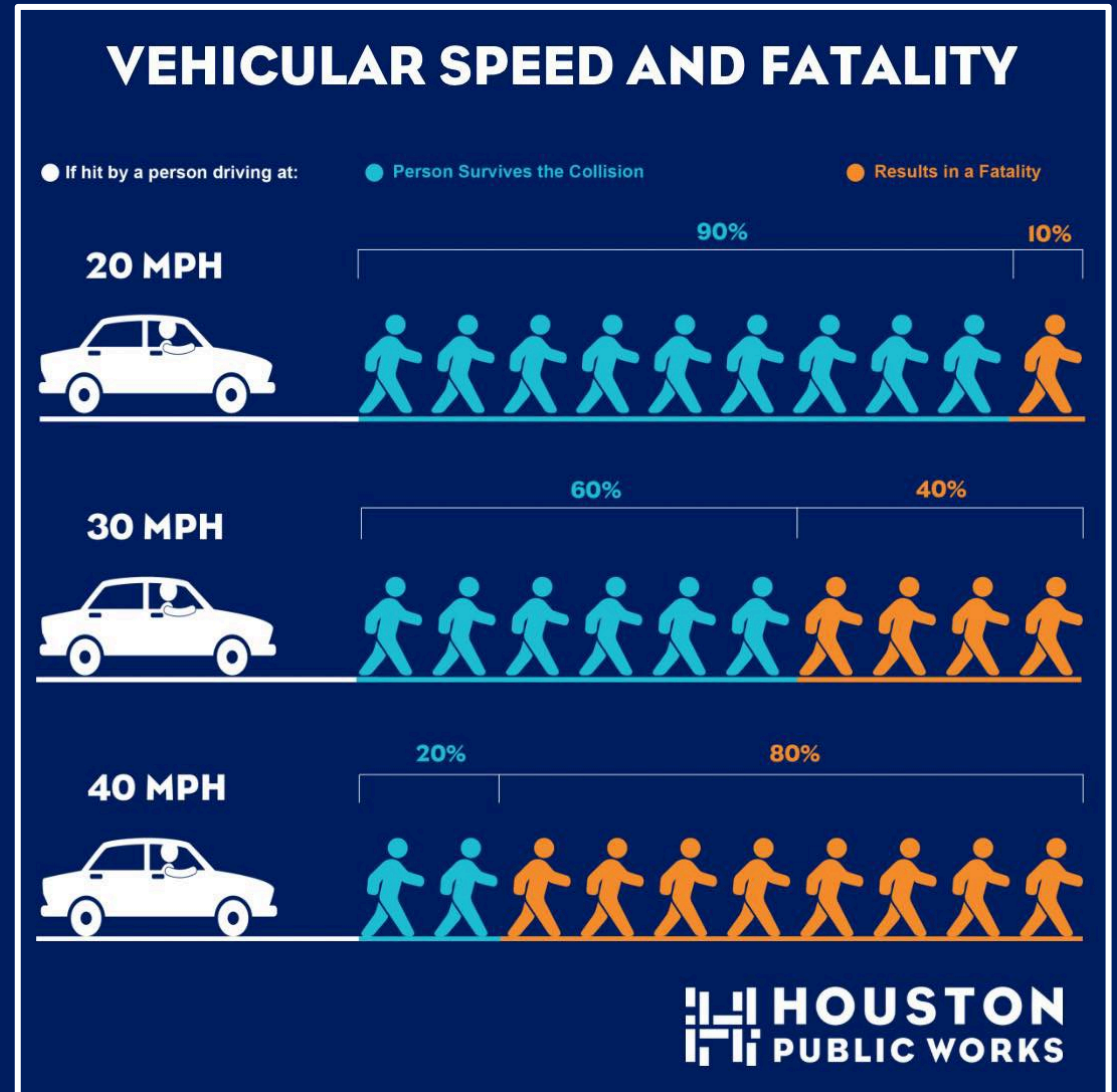
2022 Vehicles per hour – Northbound and Southbound



# CRASH ANALYSIS

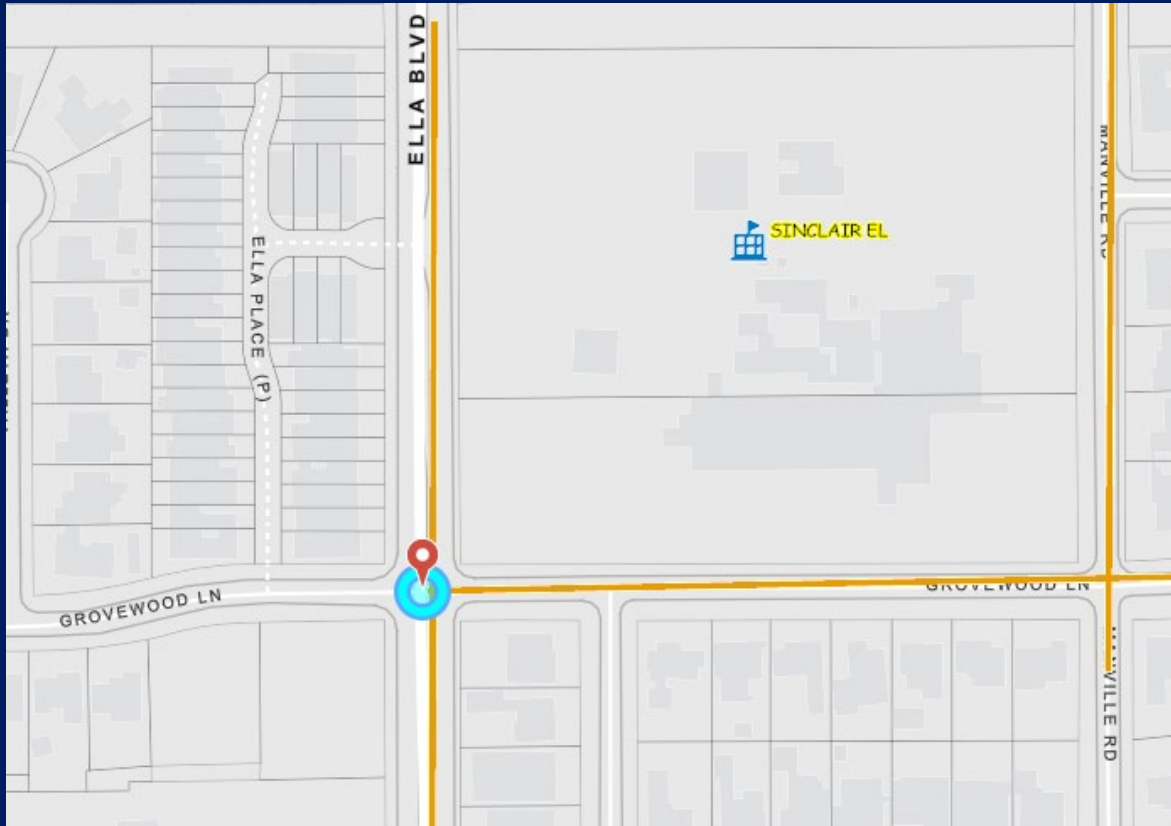
## ELLA BLVD AT GROVEWOOD LN

- Since 2019, there has only been one crash at this intersection (Suspected Minor Injury – Fail to Yield Right of Way – Stop Sign).
- However, the roadway design is similar to that of High Injury Network corridors in Houston and the high speeds traveled have significant risk of pedestrian fatality.
- It is important that the crossing is improved so that this location does not become a High Injury Network location if traffic volumes increase.



# SCHOOL ZONE

## ELLA BLVD AT GROVEWOOD LN



Existing School Beacon



Existing School Sign

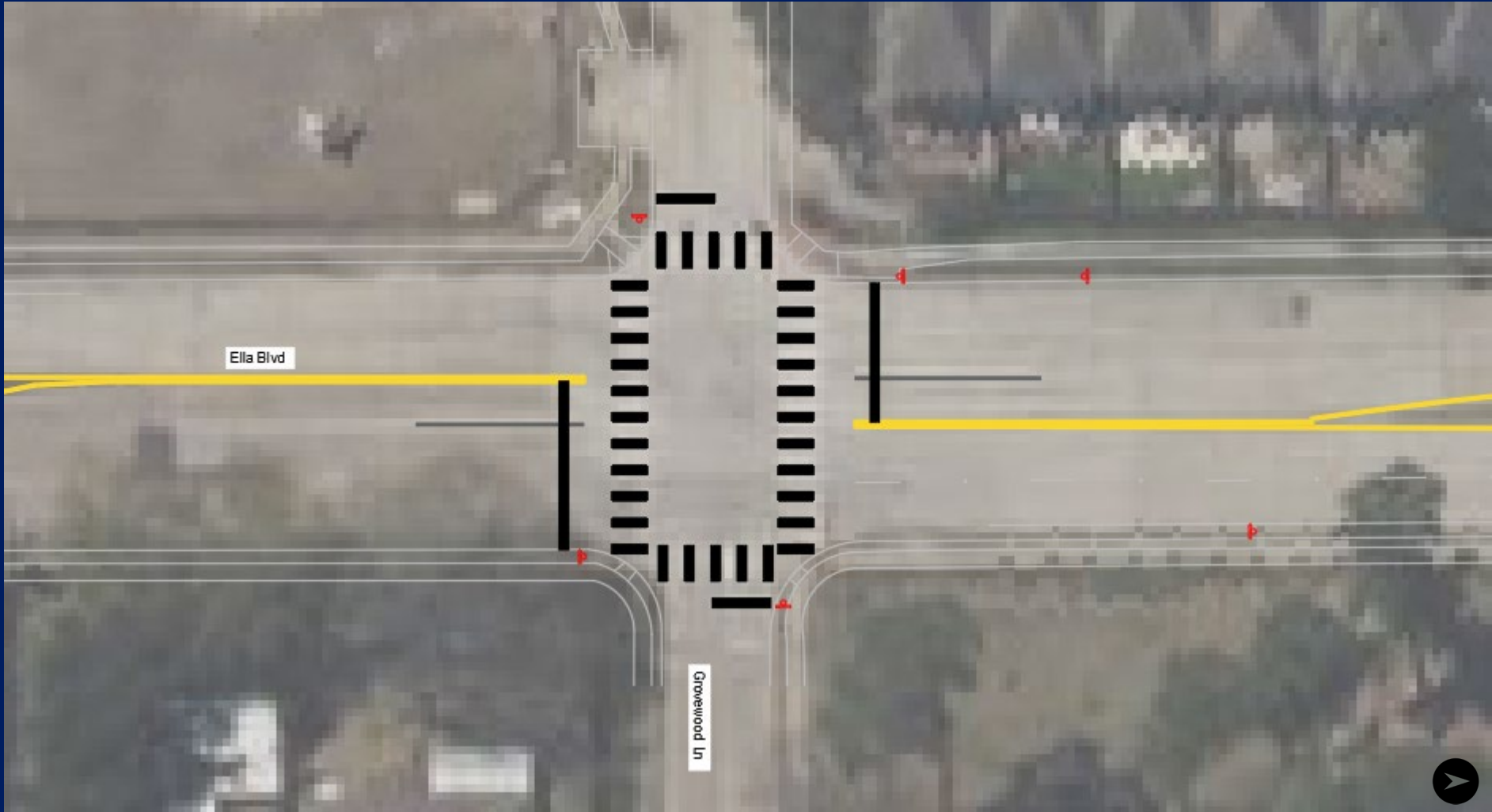


# EXISTING CONDITION

September 2023 – Stop here for pedestrian sign and stop bar is added on both approaches on Ella Blvd



# EXISTING ROAD

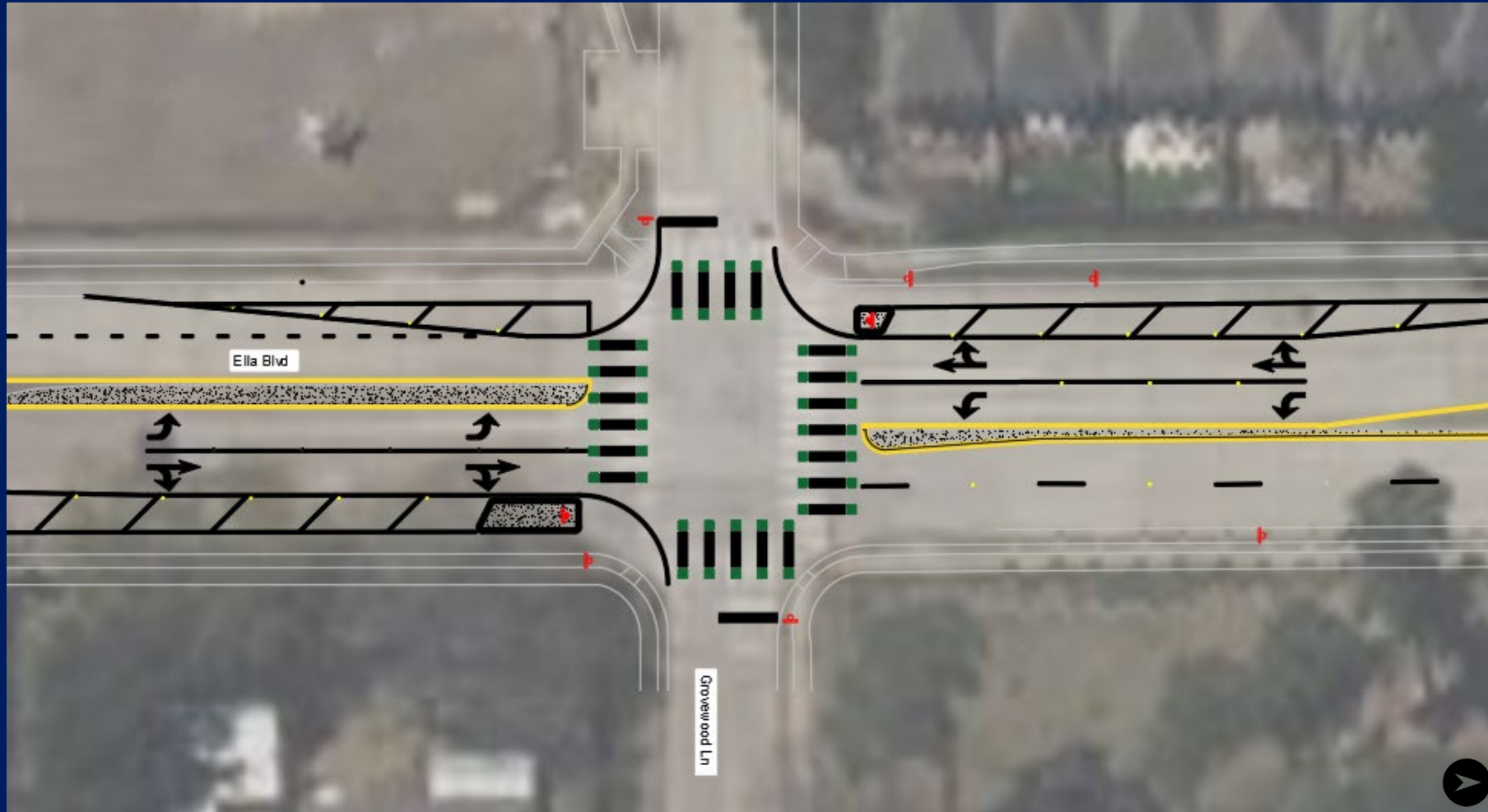


Existing Marked Crosswalk meet the Standard





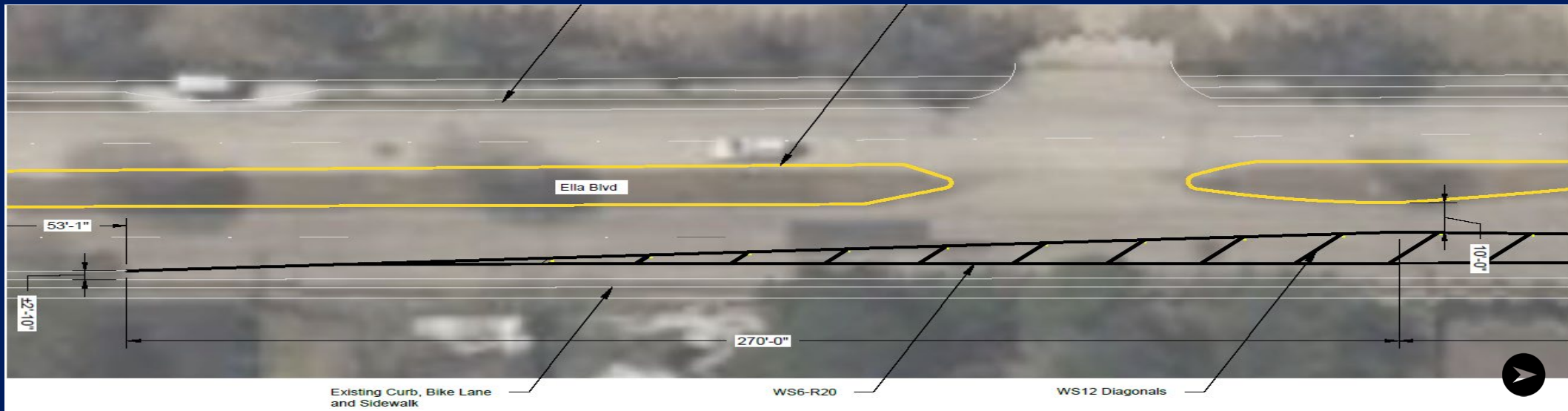
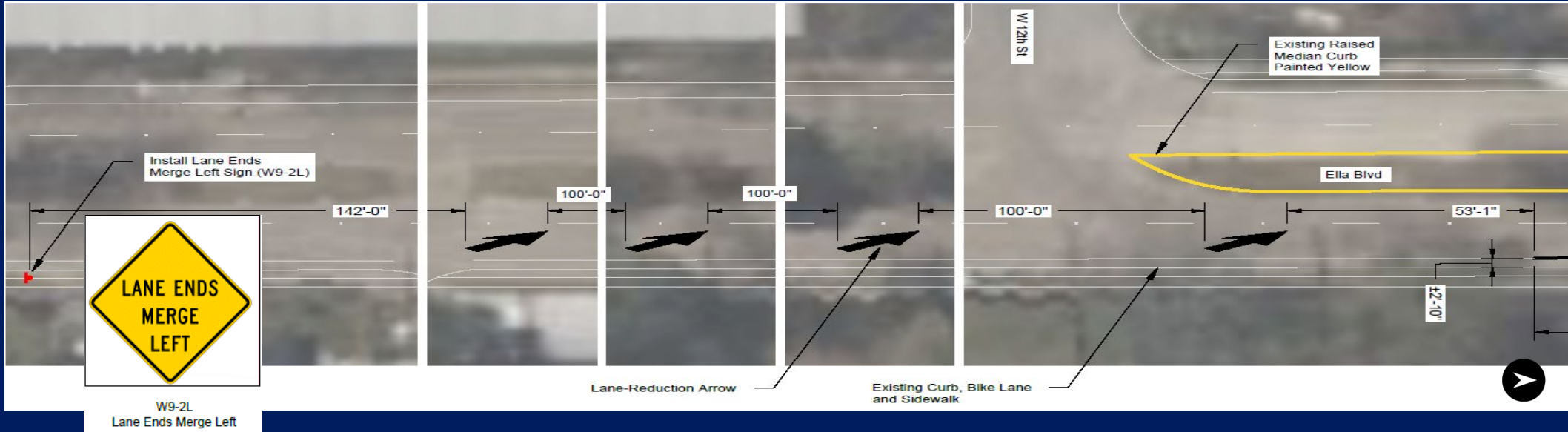
# PROPOSED REDUCED CROSSING DISTANCE



- Reduce crossing distance
- Slow traffic speed
- Provide median refuge
- Less number travel lanes to cross
- Introducing curbs



# PROPOSED SIGNAGE AND PAVEMENT MARKING



# ELLA GROVEWOOD DEVELOPMENT

104-unit single family residential development on the west side of Ella Boulevard between Grovewood Lane and West 12<sup>th</sup> Street

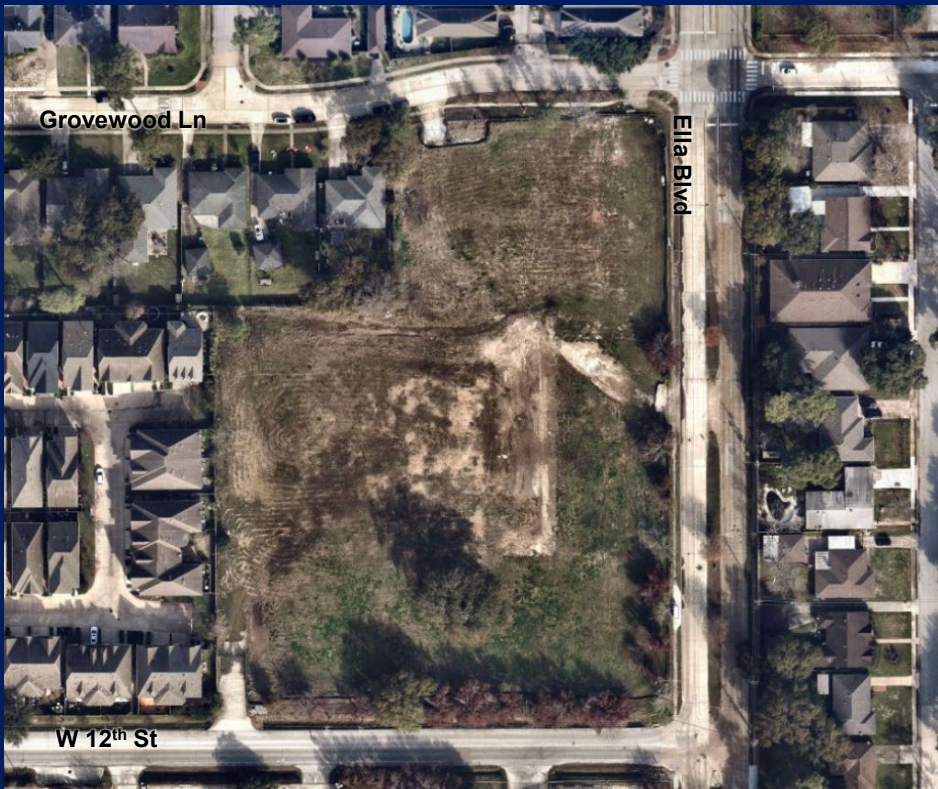
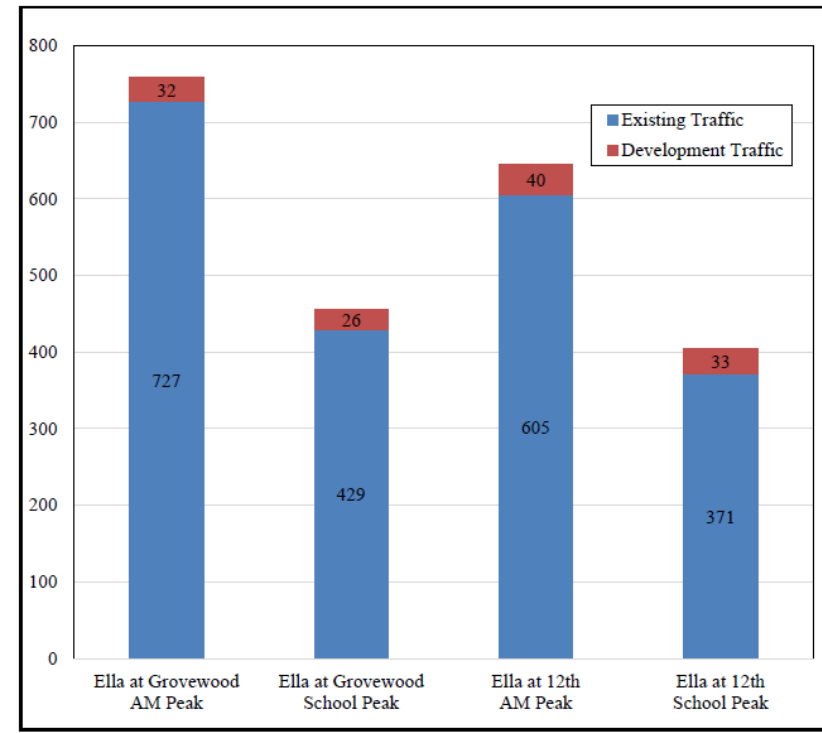


Figure 12: Comparison of Existing and Development Traffic



# thank you!

## Questions?

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