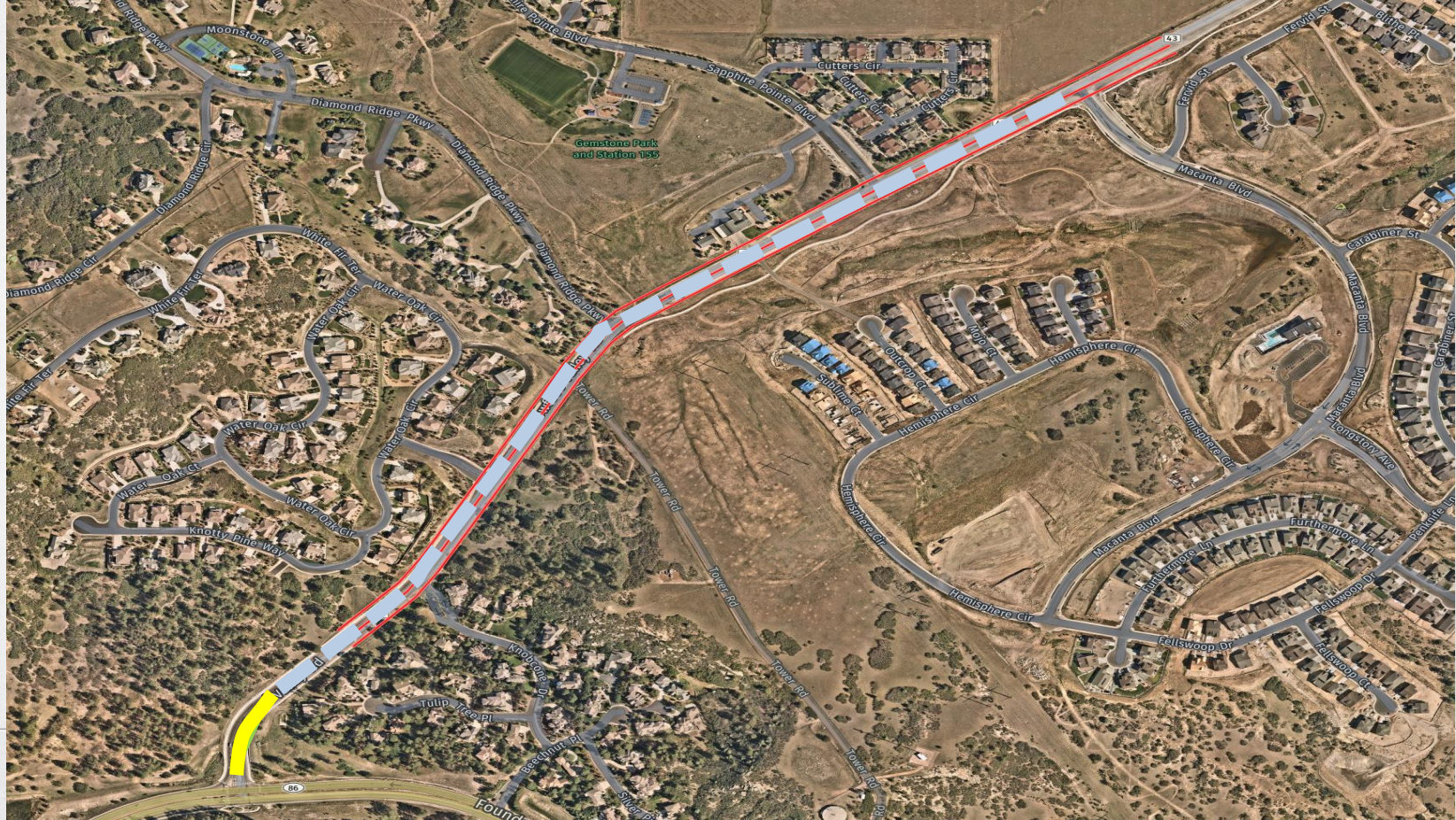


DISCUSSION/DIRECTION: CROWFOOT VALLEY ROAD WIDENING PROJECT – PROPOSED CONCEPT

JANUARY 3, 2023



PROJECT OVERVIEW



PROJECT OVERVIEW



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1.) Enhance multi-modal use

- Sidewalk between Knobcone Drive and Macanta Blvd
- On-street bike lanes

2.) Improve safety for the Traveling Public

- Intersection improvements
- Raised medians

3.) Increase reliability and decrease downtime

- Widen roadway to ultimate configuration
- Synchronize signal at Sapphire Pointe Blvd with Founders Pkwy

2021-2025 CIP

	Construction year advanced to match revenue forecast adjustments.						
Crowfoot Valley Road Roundabout	Construct a multi-lane roundabout at a yet to be determined intersection to assist with reducing speeds at the Town/County boundaries, and improve traffic operations.	In-progress	N/A	In-progress	N/A	\$2.22M	2023
	Construct two new through lanes to bring the total to four (two in each direction). Remaining ROW						

2021-2025 Transportation Capital Improvement Program (5-Year CIP)

[illegible]

Project		Description	Design		ROW		Construction	
			\$ Est.	Year	\$ Est.	Year	\$ Est.	Year
Willow Street South St.	Roundabout	Construction of a roundabout at the intersection of Willow Street and South Street to improve traffic flow and reduce accident rates. The roundabout will include a landscaped center island and a dedicated bicycle lane.	\$1,200,000	N/A	In Progress	N/A	Summer 2024	2025
Alum Creek Parkway Widening	Lanes 11 to 14 Bridge St.	Construction of two through lanes to bring the road to four-lane divided dual carriageway. This project will also include bridge reconstruction for the existing bridge over Alum Creek. ROW will include new median and shoulders.	In Progress	N/A	2023-2025	2024	\$3,500,000	2027
Cypress Valley Interchange		Proposed construction of a four-level interchange at the intersection of Cypress Valley Road and Highway 101. This project will include new overpasses and a new interchange bridge. ROW will include new median and shoulders.	\$2,800,000	2024	In Progress	N/A	\$11,500,000	2028
Highway 101 at 10th St.	Intersection Improvements	Construction of a new roundabout at the intersection of Highway 101 and 10th Street to improve traffic flow and reduce accident rates. The roundabout will include a landscaped center island and a dedicated bicycle lane.	In Progress	N/A	2024	2025	\$1,500,000	2027
10th St. Widening (Design & ROW)	From 1st to 14th St.	Design of a four-lane divided dual carriageway for the widening of 10th Street from 1st Street to 14th Street. This project will include new median and shoulders.	\$1,800,000	2024	In Progress	N/A	N/A	N/A
Highway 101 at 10th St.	Intersection Improvements	Phase 2 Construction: Construction of a new roundabout at the intersection of Highway 101 and 10th Street to improve traffic flow and reduce accident rates. The roundabout will include a landscaped center island and a dedicated bicycle lane.	N/A	N/A	N/A	N/A	\$2,500,000	2027
Cypress Valley Road Reconstruction		Construction of a new four-lane divided dual carriageway for the reconstruction of Cypress Valley Road from 1st Street to 14th Street. This project will include new median and shoulders.	In Progress	N/A	In Progress	N/A	\$2,200,000	2025
Bridge Road Widening	From 1st to 14th St.	Design of a four-lane divided dual carriageway for the widening of Bridge Road from 1st Street to 14th Street. This project will include new median and shoulders.	In Progress	N/A	2023-2025	2024	\$1,500,000	2026
Highway 101 at 10th St.	Intersection Improvements (Design & ROW)	Phase 1 Construction: Design of a new roundabout at the intersection of Highway 101 and 10th Street to improve traffic flow and reduce accident rates. The roundabout will include a landscaped center island and a dedicated bicycle lane.	\$2,400,000	2023	\$2,100,000	2024	N/A	N/A
Cypress Valley Road Widening	From 1st to 14th St.	Construction of a new four-lane divided dual carriageway for the widening of Cypress Valley Road from 1st Street to 14th Street. This project will include new median and shoulders.	\$750,000	2023	In Progress	N/A	\$1,500,000	2024
Phoenix Avenue Bridge Widening	From 1st to 14th St.	Construction of a new four-lane divided dual carriageway for the widening of Phoenix Avenue Bridge from 1st Street to 14th Street. This project will include new median and shoulders.	\$1,100,000	2024	N/A	N/A	N/A	N/A
Highway 101 at 10th St.	Intersection Improvements	Phase 3 Construction: Construction of a new roundabout at the intersection of Highway 101 and 10th Street to improve traffic flow and reduce accident rates. The roundabout will include a landscaped center island and a dedicated bicycle lane.	N/A	N/A	N/A	N/A	\$1,500,000	2025
Highway 101 at 10th St.	Intersection Improvements	Phase 4 Construction: Construction of a new roundabout at the intersection of Highway 101 and 10th Street to improve traffic flow and reduce accident rates. The roundabout will include a landscaped center island and a dedicated bicycle lane.	N/A	N/A	N/A	N/A	\$1,500,000	2025
Alum Creek Parkway Widening	From 1st to 14th St.	Construction of a new four-lane divided dual carriageway for the widening of Alum Creek Parkway from 1st Street to 14th Street. This project will include new median and shoulders.	\$1,500,000	2024	N/A	N/A	\$1,500,000	2025
Alum Creek Parkway Widening	From 1st to 14th St.	Construction of a new four-lane divided dual carriageway for the widening of Alum Creek Parkway from 1st Street to 14th Street. This project will include new median and shoulders.	\$1,500,000	2024	N/A	N/A	\$1,500,000	2025

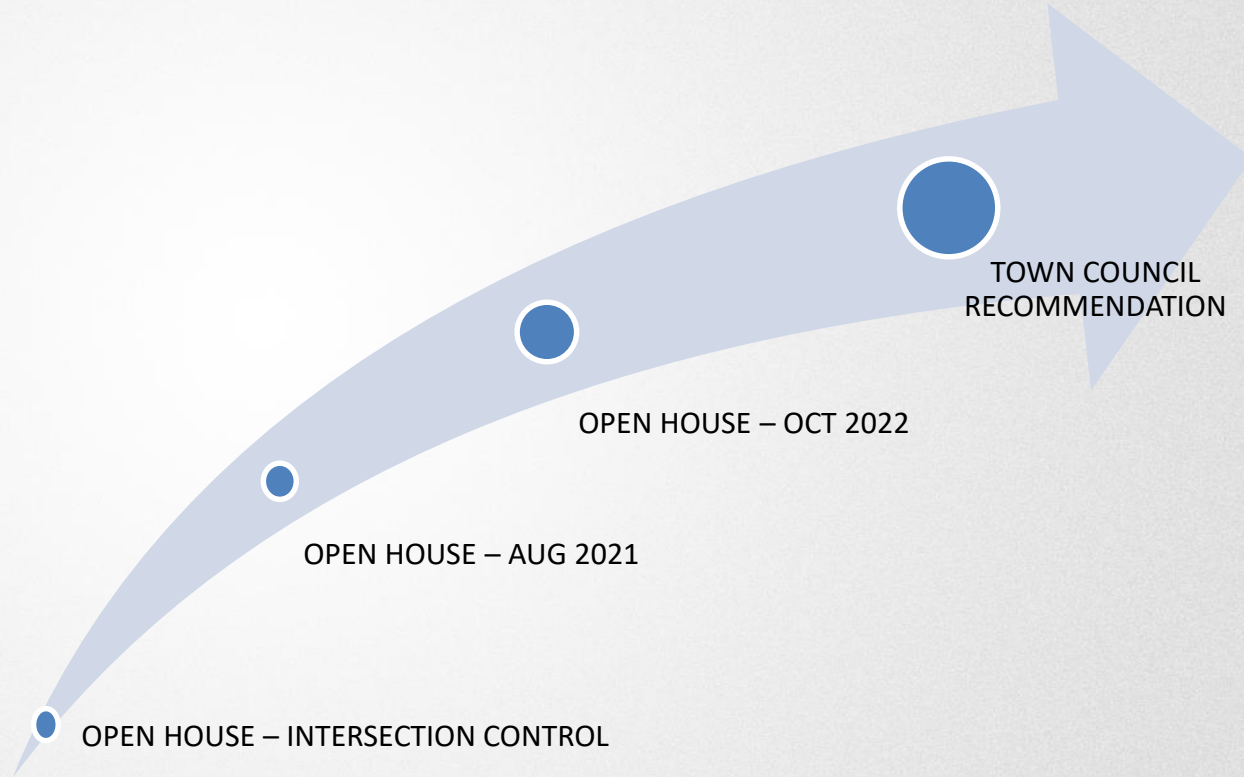
* Previous studies often have a limited set of 20% to 30% identifiers

Combined between Transportation and Transformation capital funds balance: \$371,000.

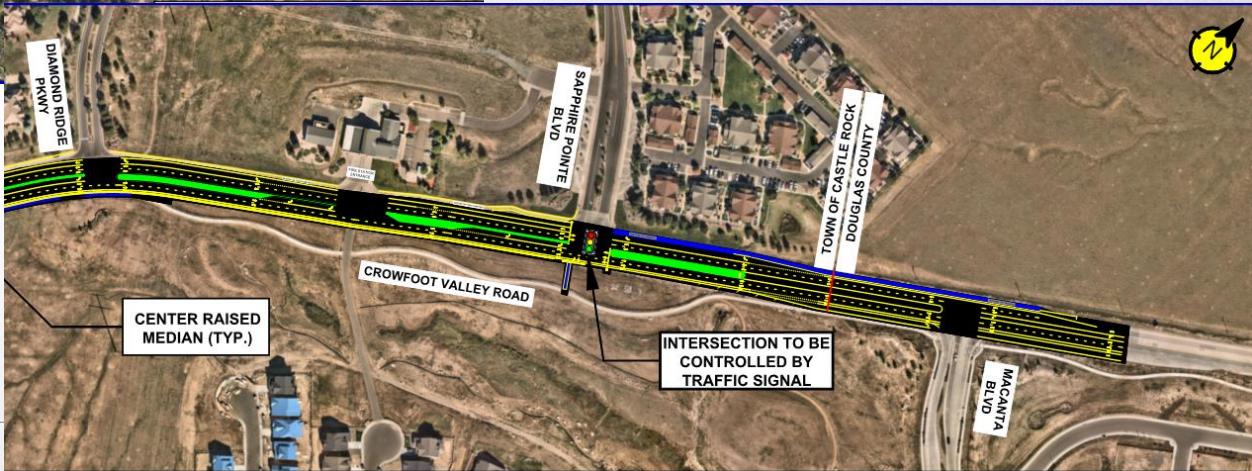
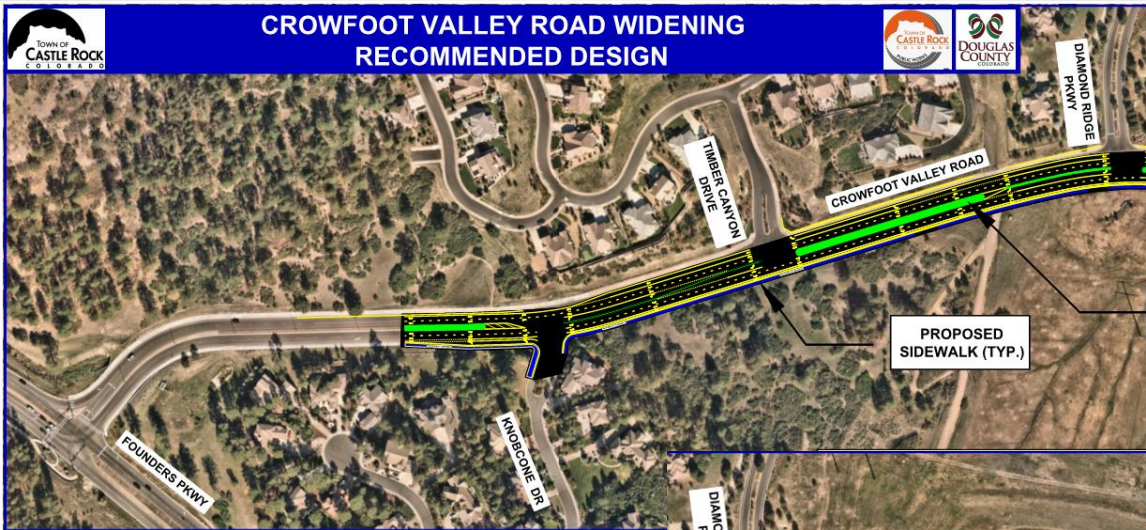
Combined household Transportation and Transnational Capital funds balance: \$ 211,000.

2021	2022	2023	2024	2025
56.73	61.45	62.77	58.80	55.15

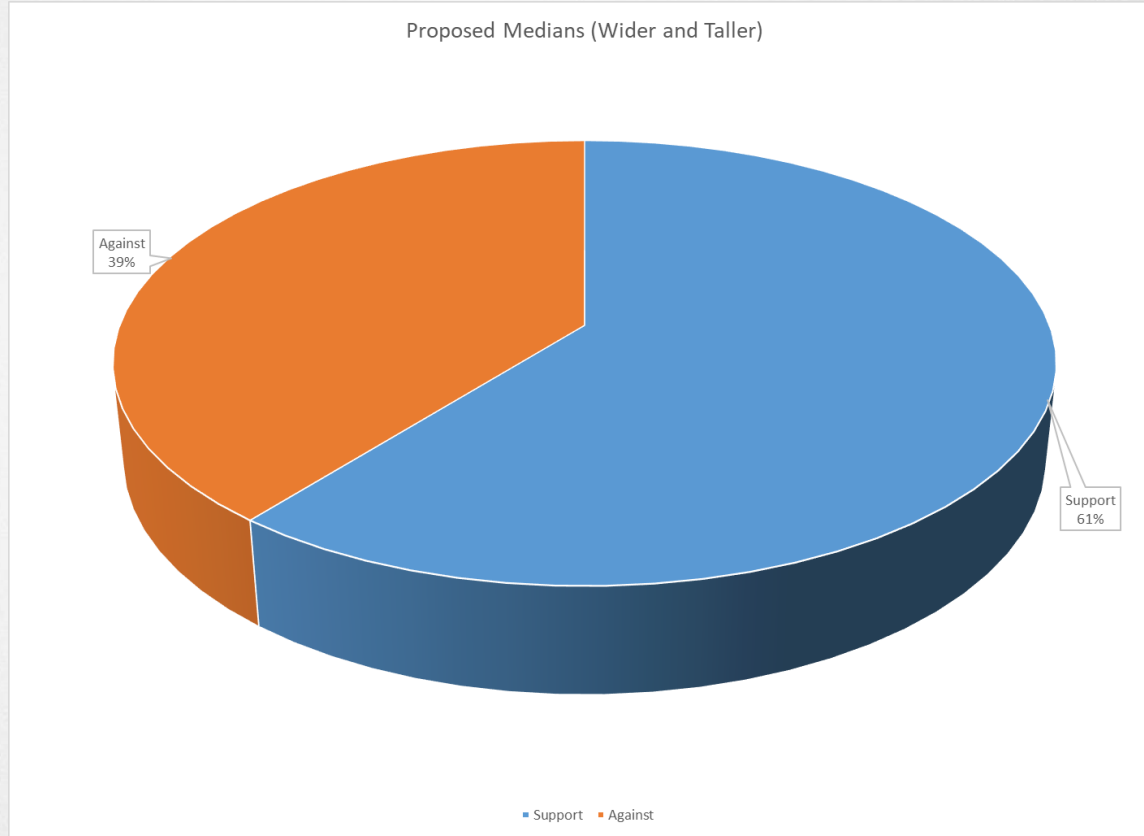
PROCESS UTILIZED



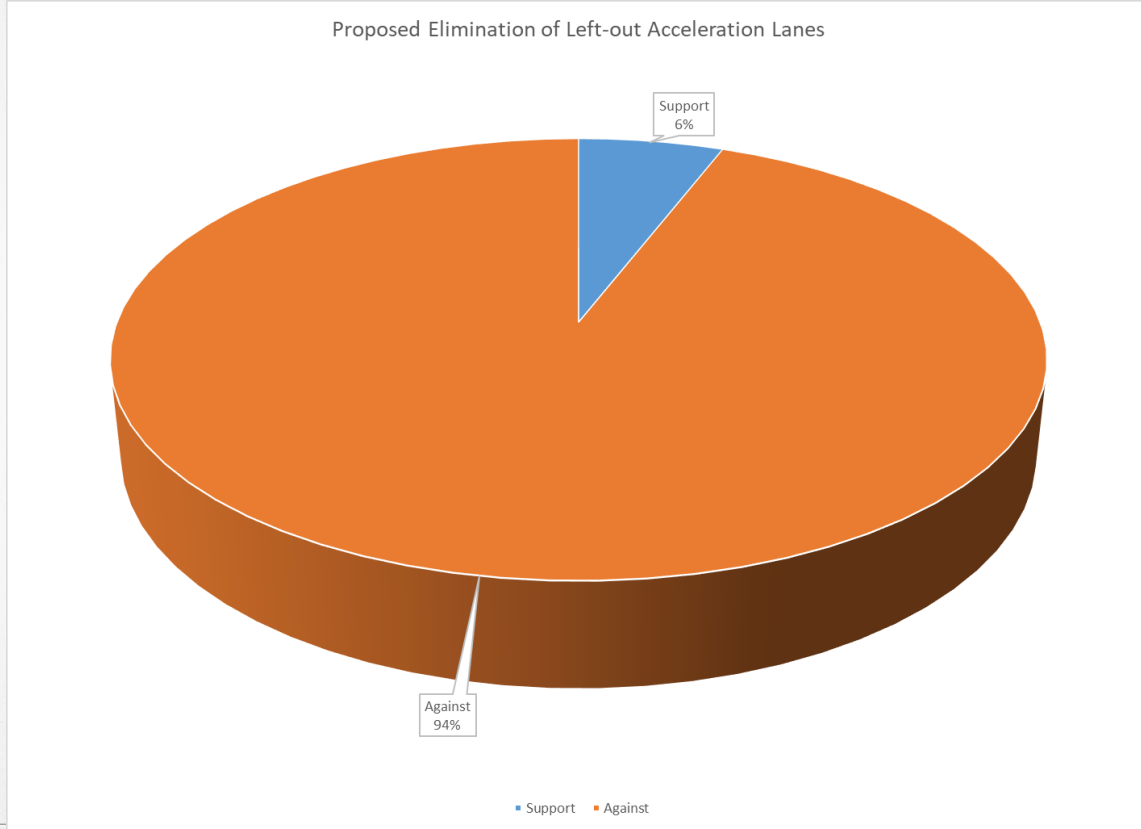
RECOMMENDED DESIGN



COMMUNITY FEEDBACK



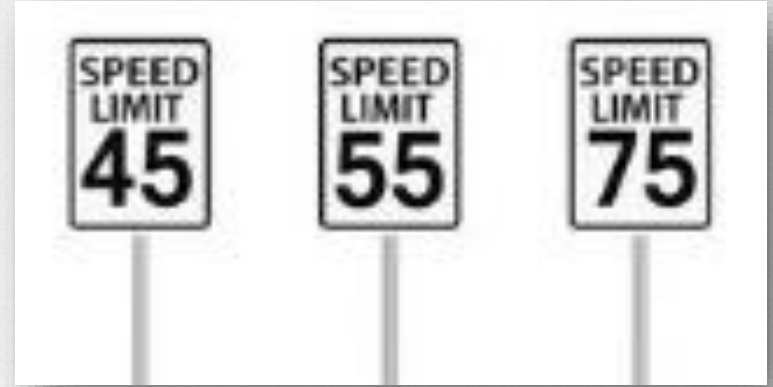
COMMUNITY FEEDBACK



“LOWER THE SPEED LIMIT”

Purpose: Provide Uniform Traffic Flow

Uniform speed on roads provides the safest environment



There is little change after lowering a speed limit

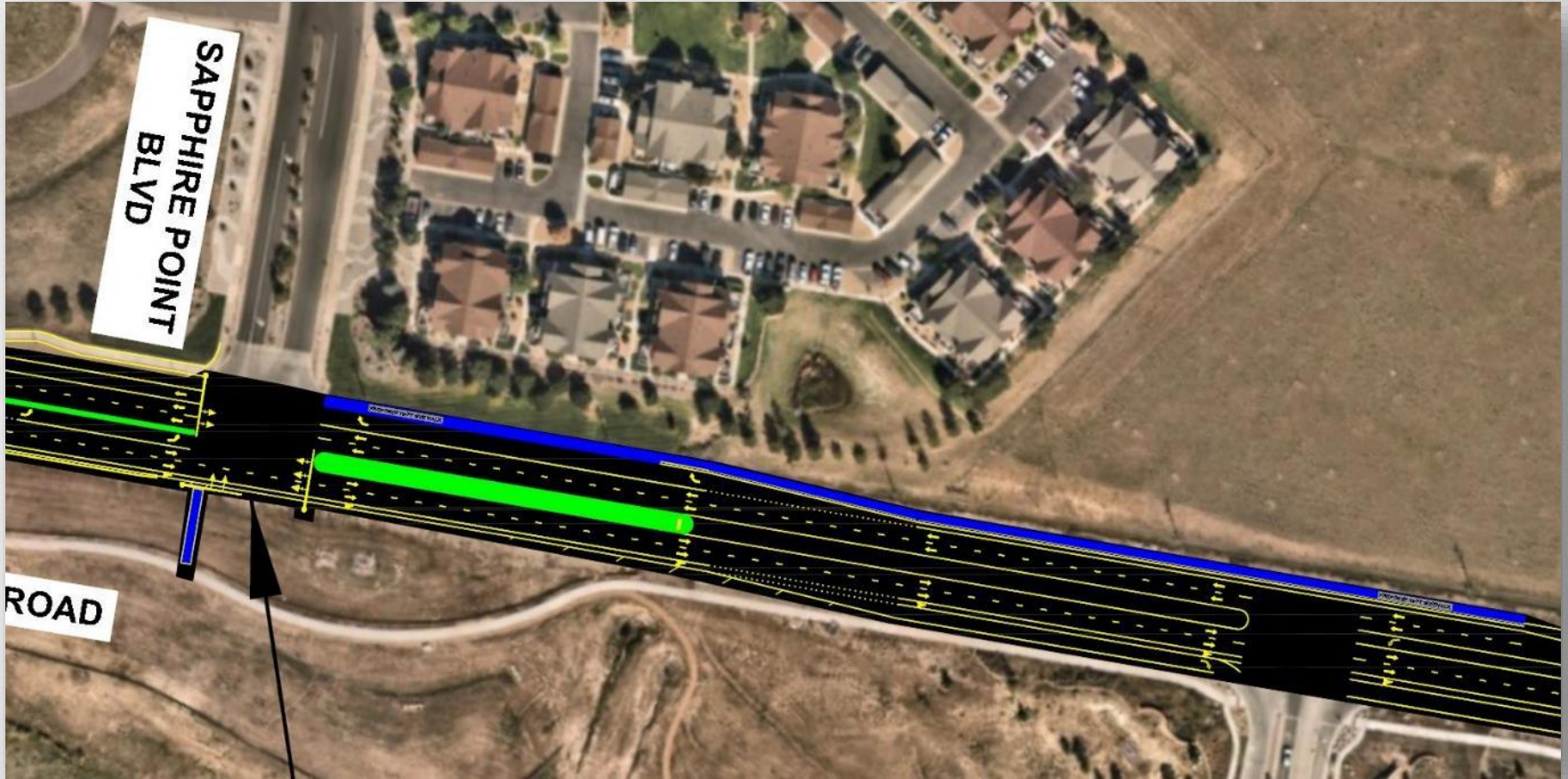
“LOWER THE SPEED LIMIT”



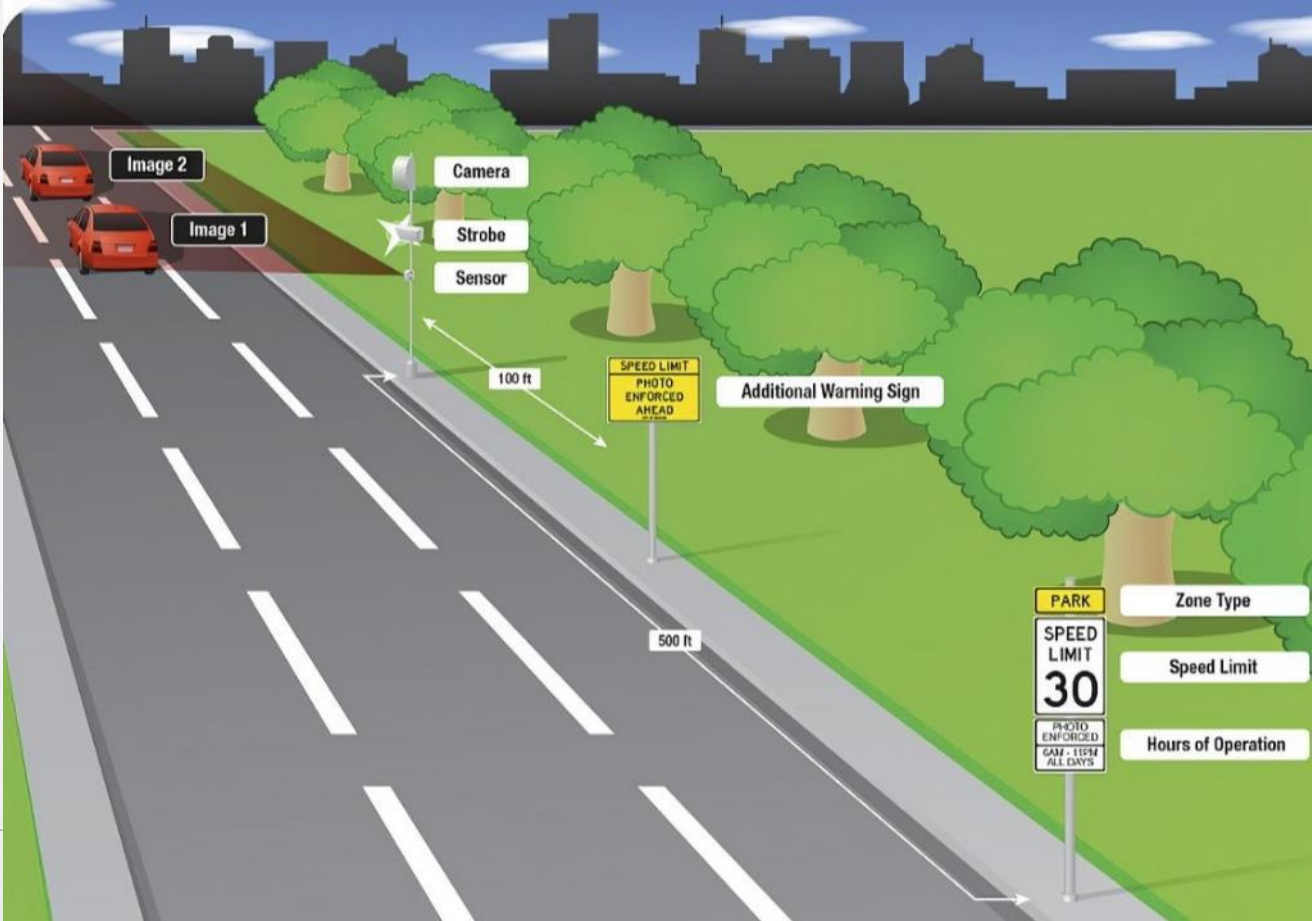
“ADDITIONAL SIGNS”

“Regulatory and warning signs should be used conservatively because these signs, if used to excess, tend to lose their effectiveness.”

“ADDITIONAL SIGNS”



“AUTOMATED ENFORCEMENT”



STAFF RECOMMENDATION

- Wider & taller medians where possible
- Keep left turn acceleration lanes
- Traffic signal at Sapphire Point

PROPOSED MOTION

"I move to direct staff to continue design development of the Crowfoot Valley Road Widening project as recommended."

ALTERNATE MOTION

"I move to direct staff to continue design development of the Crowfoot Valley Road Widening project as recommended with the following changes:_____."