

# REVIEW AND CONSIDER TRAFFIC CALMING OPTIONS FOR JOHNSON FERRY ROAD AND THE INTERSECTION OF THOMSEN RD / WARFIELD RD

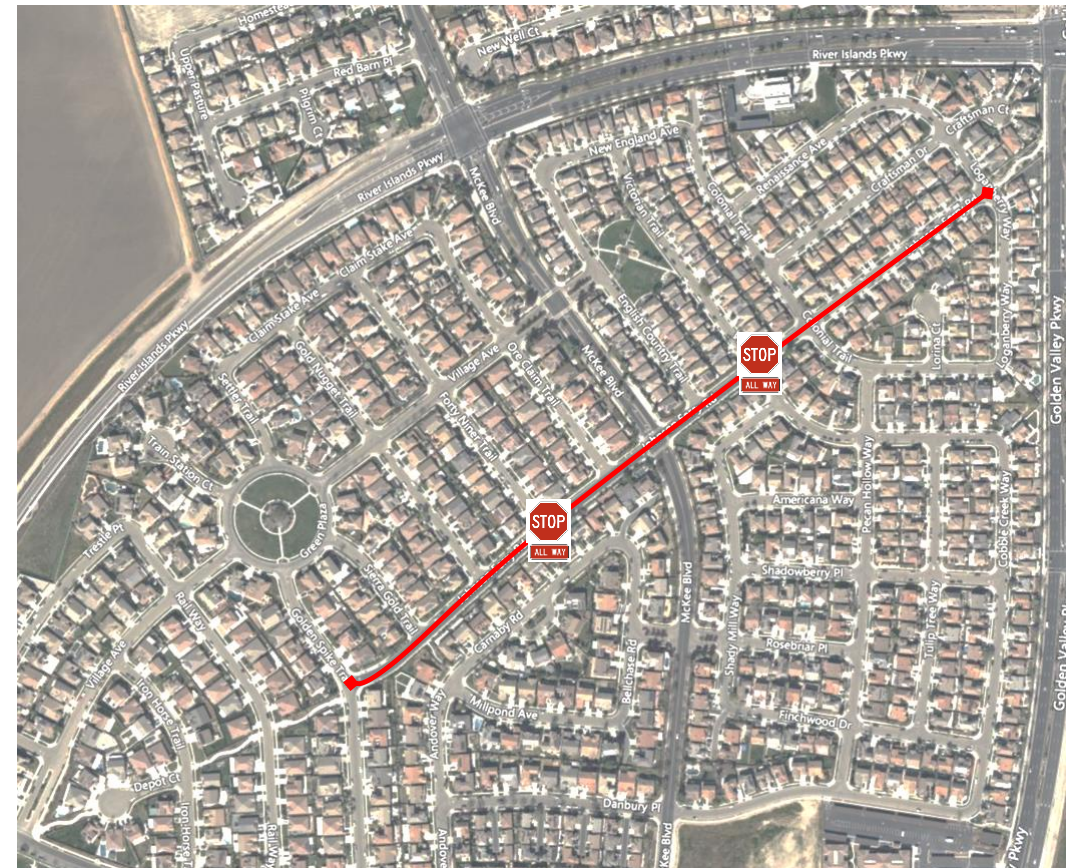
CITY COUNCIL REGULAR MEETING | OCTOBER 10, 2022 | ITEM: 5.5



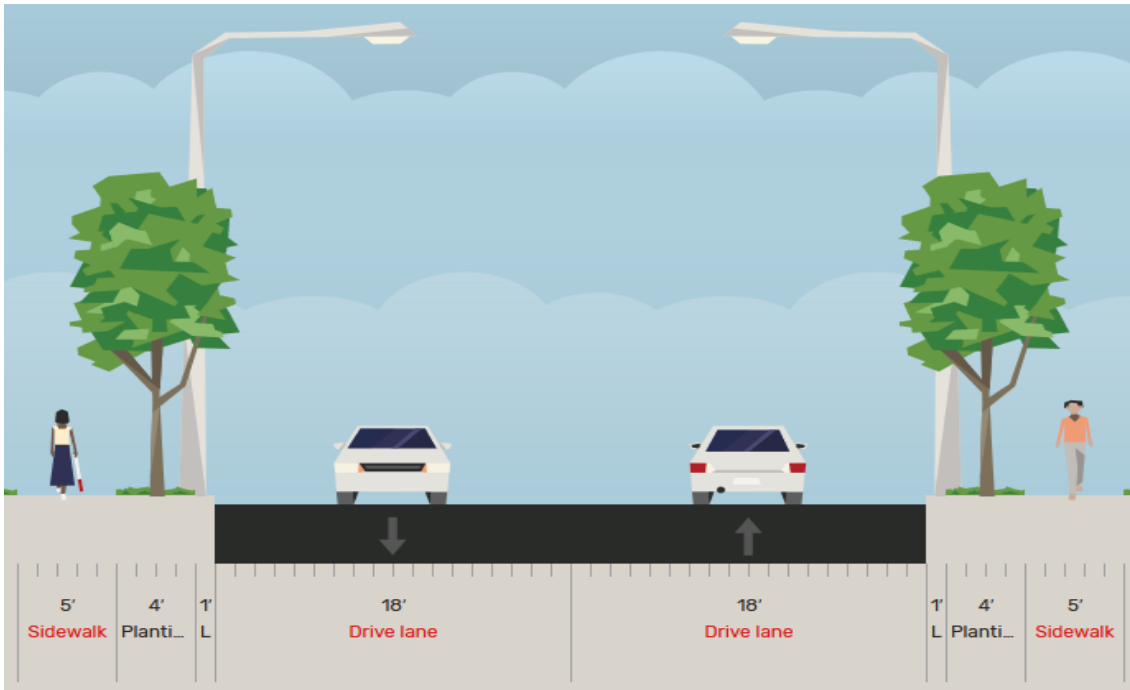
# JOHNSON FERRY ROAD BACKGROUND:



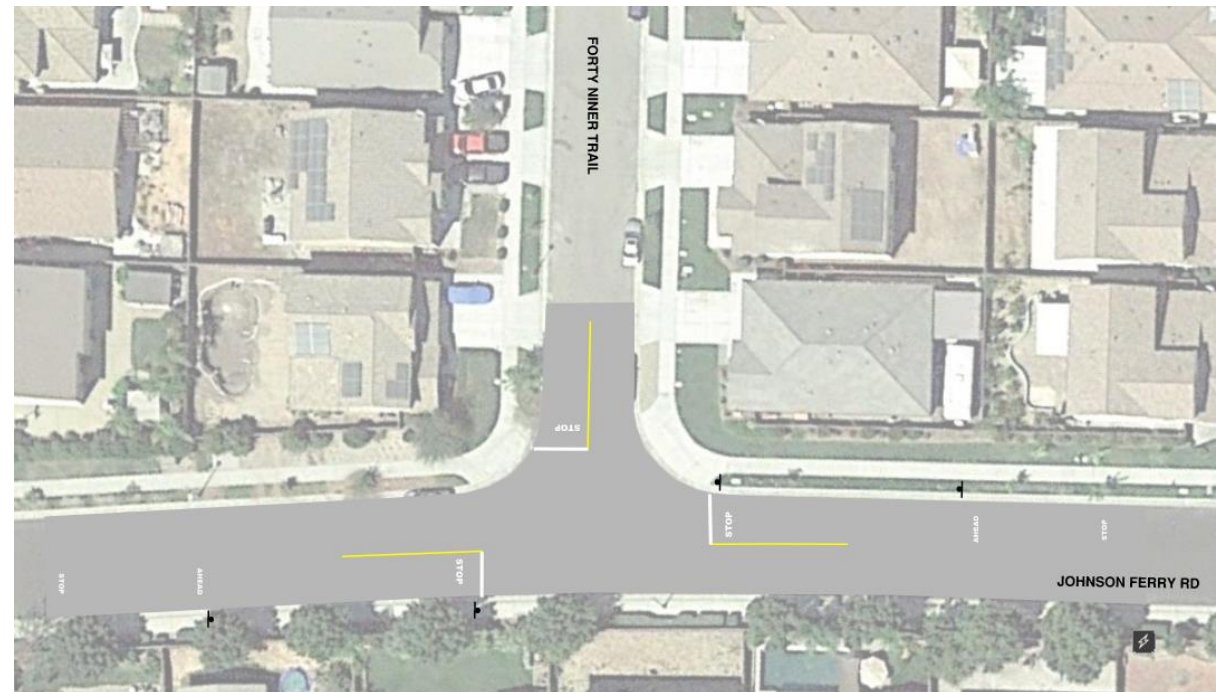
- ❑ Current Speed Limit
  - ❑ 25 mph between Colonial Trail and Loganberry Way
  - ❑ 30 mph between Colonial Trail and Golden Spike Trail
- ❑ On July 11, 2022, City Council directed staff to install an All-Way Stop at the intersections of Forty Niner Trail and Victorian Trail
- ❑ Receiving continued concerns about vehicle speeds



# JOHNSON FERRY ROAD EXISTING CONDITIONS:

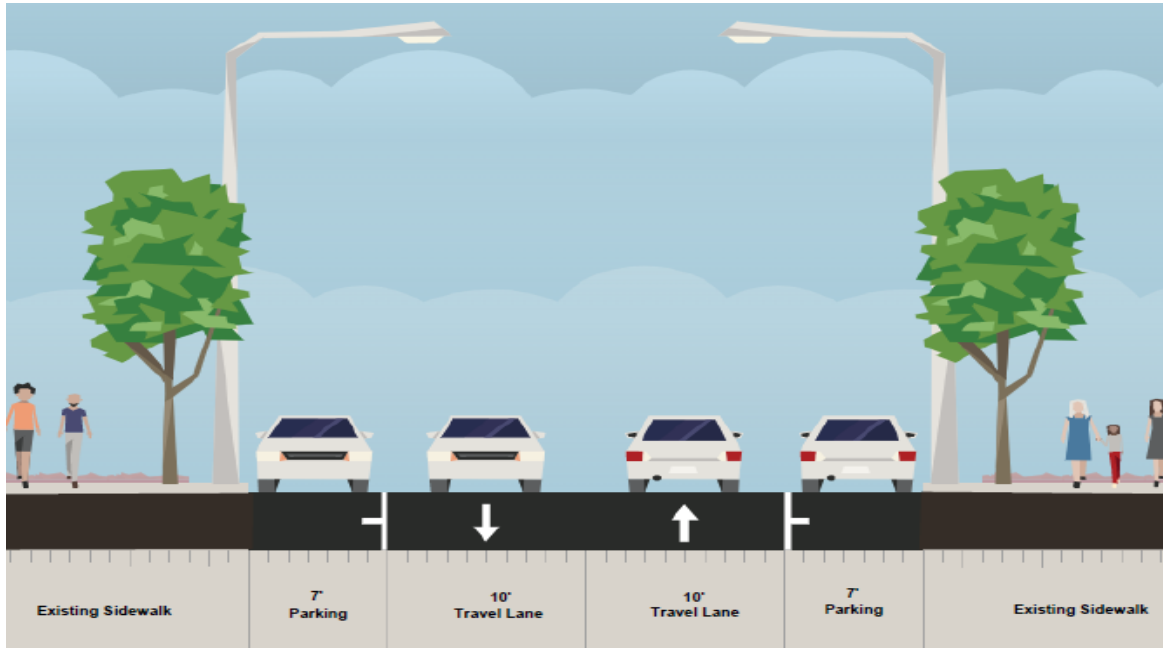


Street Cross Section



Installed All-Way Stop @ Forty Niner Trail

# JOHNSON FERRY ROAD OPTION I: REMOVE STOP SIGNS & REDUCE LANE WIDTHS



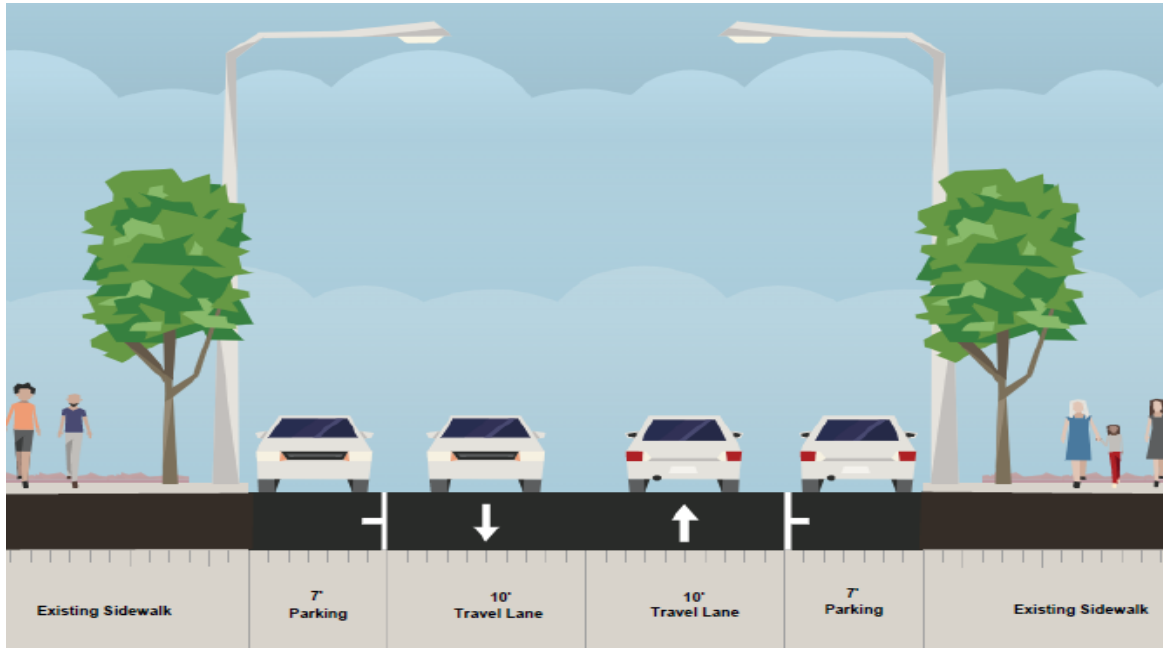
Street Cross Section



Johnson Ferry Rd & Forty Niner Trail Intersection

**Recommended:** Reducing the traveled lane widths is an effective solution to reduce vehicle speed. A reduction of lane width from 18' to 10' should result in a reduction of speed of 6.6 miles per hour (Highway Capacity Manual)

# JOHNSON FERRY ROAD OPTION 2: KEEP STOP SIGNS AND REDUCE LANE WIDTHS



Street Cross Section



Johnson Ferry Rd & Forty Niner Trail Intersection

*Not Recommended: MUTCD Section 2B.04.05 states "Yield or Stop signs should not be used for speed control"*

# JOHNSON FERRY ROAD OPTION 3: REDUCE SPEED LIMIT TO 25MPH



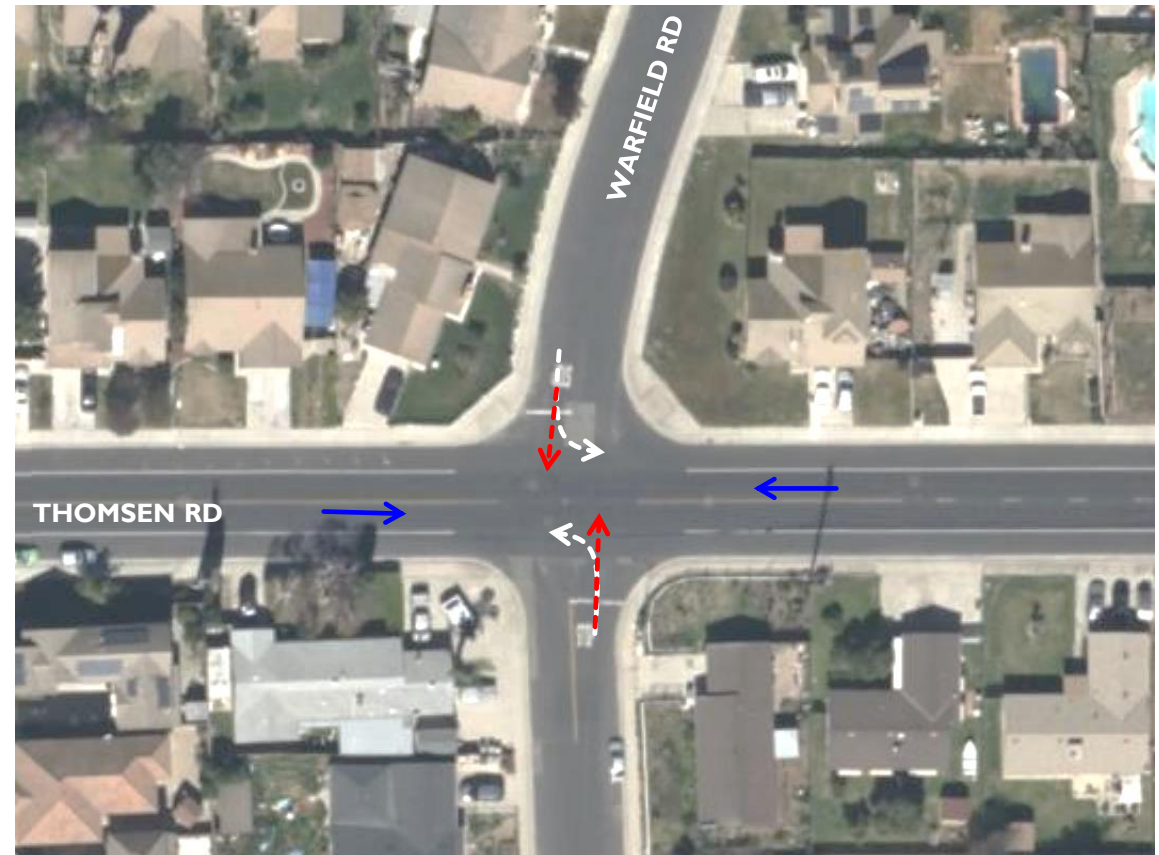
*Not Recommended: Speed limits are not enforceable by Lathrop Police unless they are established using the 85th percentile speed established by an Engineering and Traffic Study. The current 85th percentile speed for this road is 30 mph, which is the same as the existing posted speed limit.*

# THOMSEN RD & WARFIELD RD BACKGROUND:



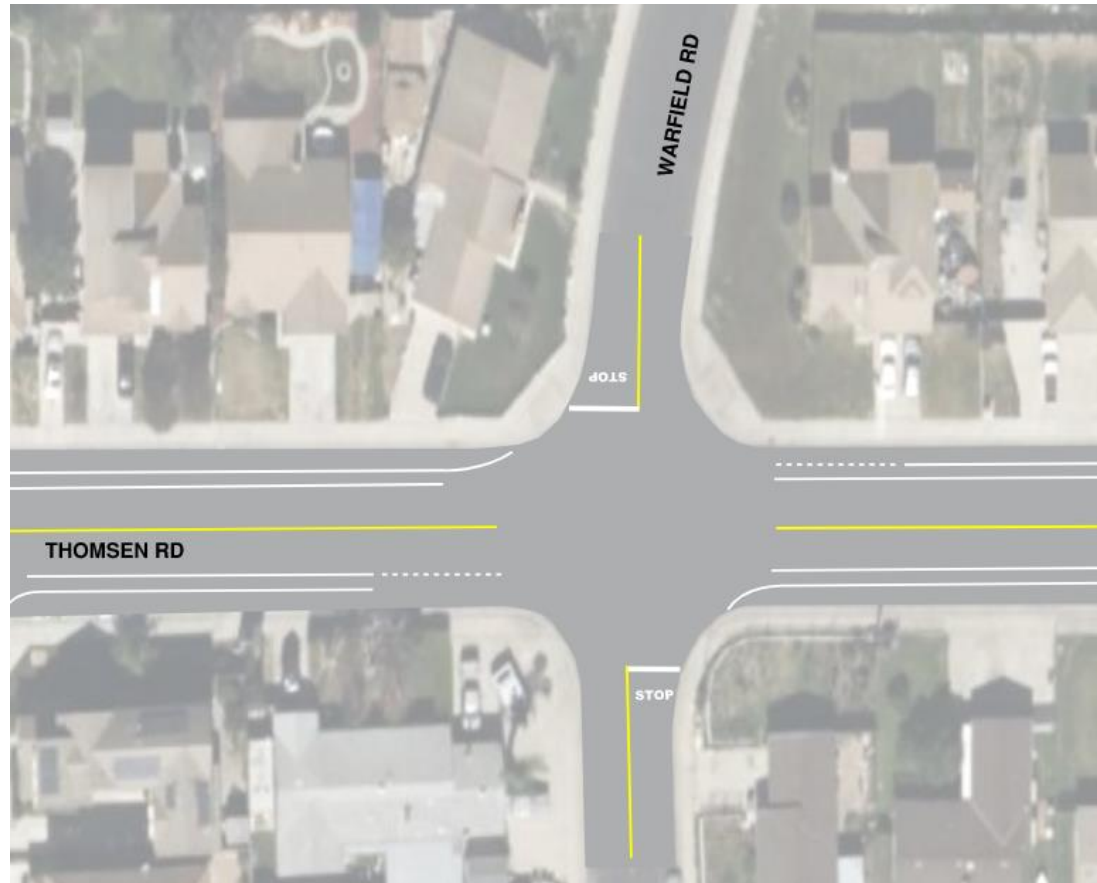
## THOMSEN RD & WARFIELD RD

- ❑ Current speed limit is 25 mph for both Thomsen Road & Warfield Road
- ❑ Two-way stop control
- ❑ Concerns about the safety of movements onto and across Thomsen Road from Warfield Road



# THOMSEN RD & WARFIELD RD

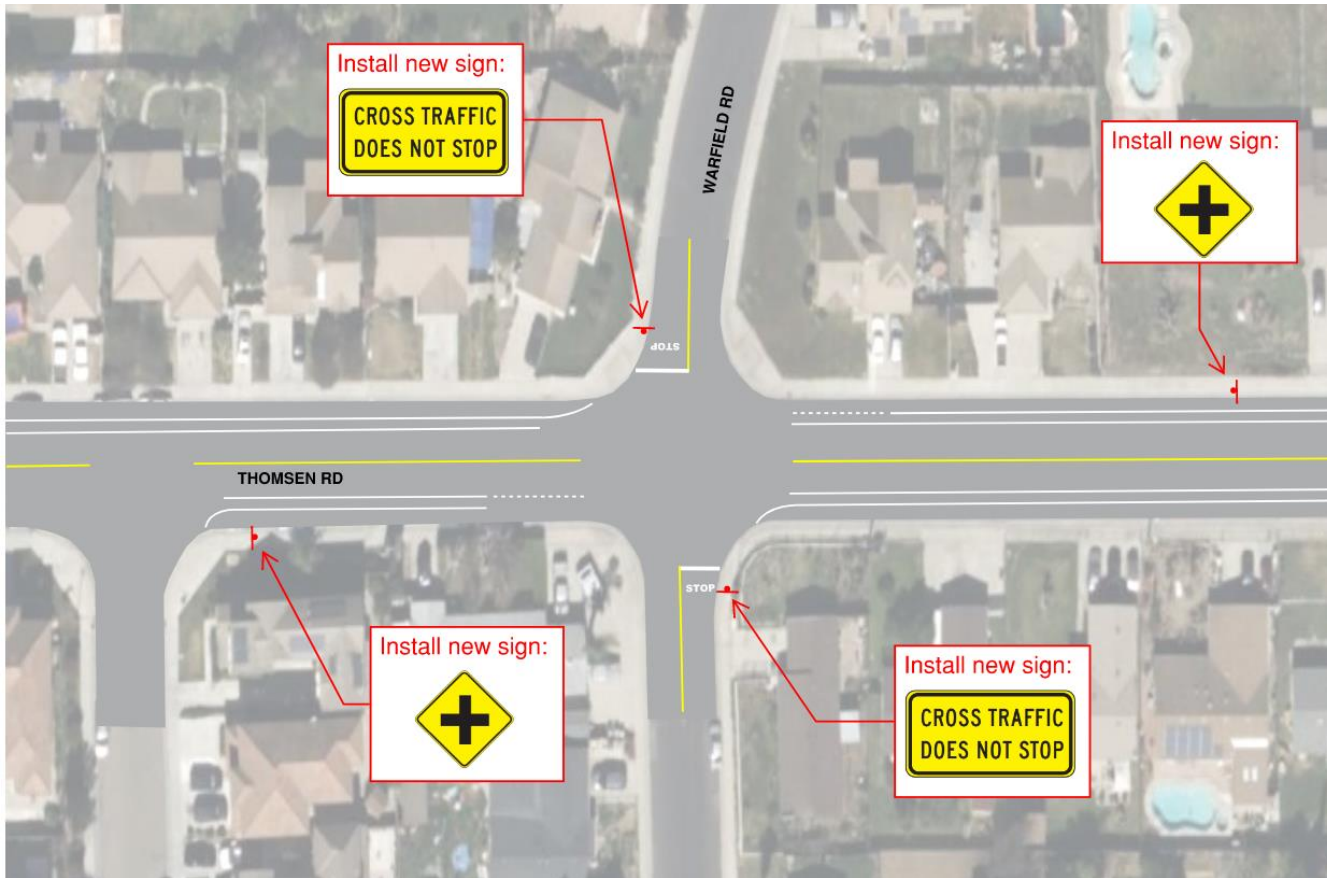
## EXISTING CONDITIONS:



Thomsen Road and Warfield Road Intersection



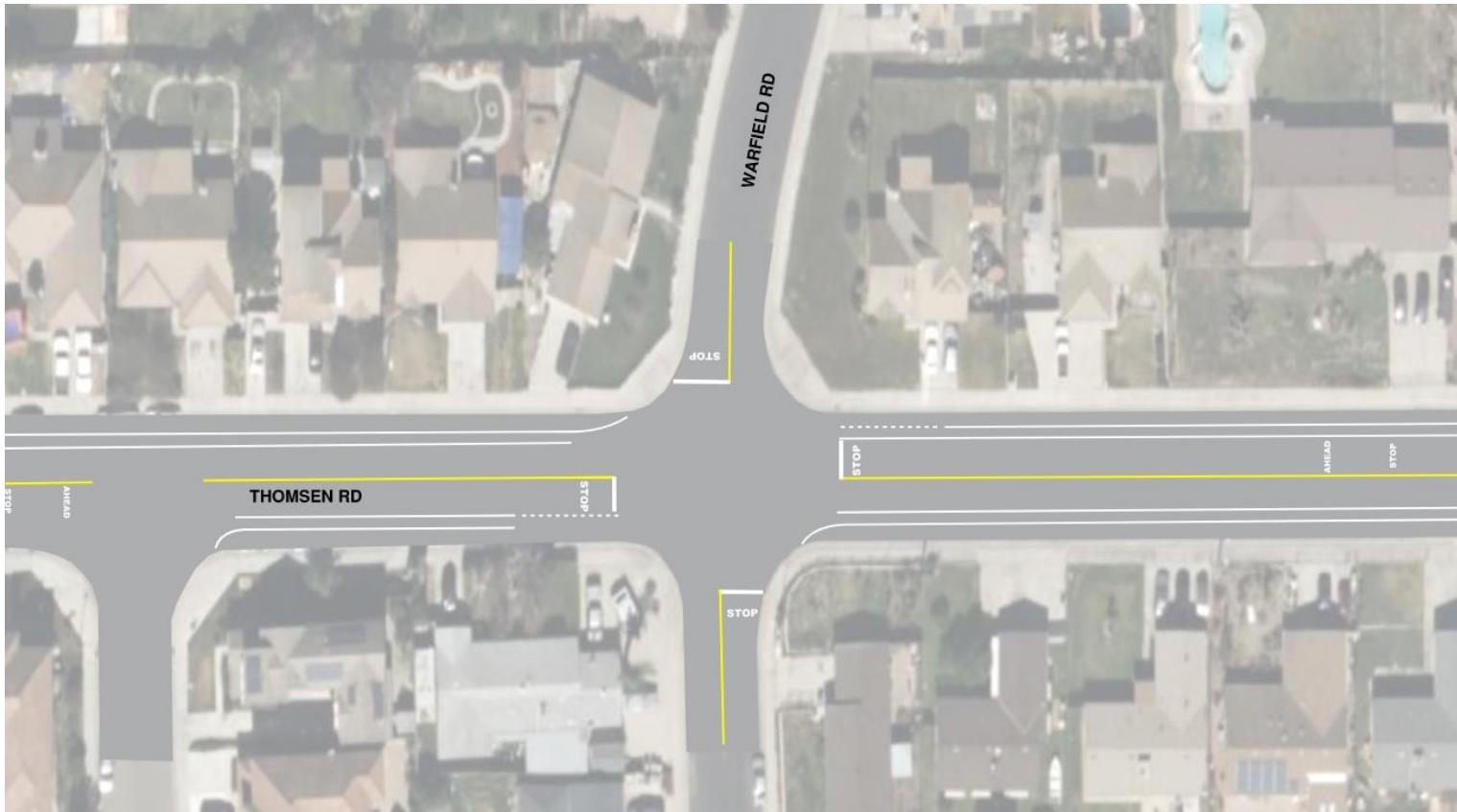
# THOMSEN RD & WARFIELD RD OPTION I: INSTALL INTERSECTION SIGNAGE



**Recommended:** Warning signs will better alert drivers along Thomsen Road of vehicles turning or going across from Warfield Road

Thomsen Rd and Warfield Rd Intersection

# THOMSEN RD & WARFIELD RD OPTION 2: INSTALL ALL-WAY STOP CONTROL



**Not recommended:** Increase traffic average delay, vehicles emissions, speeding, noise, and frequency of rear-end accidents. May direct vehicles to adjacent residential streets.

Thomsen Rd and Warfield Rd Intersection

# RECOMMENDATION:



## JOHNSON FERRY RD

STAFF RECOMMENDS **OPTION 1:**  
REMOVE STOP SIGNS AND REDUCE LANE  
WIDTHS

- Lane width reduction has been proven to reduce vehicle speeds
  - City of Fremont received the 2021 ITE Transportation Achievement Award for increasing traffic safety and reducing vehicle speeds through lane width reduction
  - A lane width reduction from 18' to 10' should reduce the average vehicle speeds by 6.6 miles per hour according to the Highway Design Manual

## THOMSEN RD & WARFIELD RD

STAFF RECOMMENDS **OPTION 1:**  
INSTALL INTERSECTION SIGNAGE

- Signs will warn drivers on Warfield Rd that cross traffic does not stop
- Signs will warn drivers on Thomsen Road that they are approaching an intersection