

ITEM 5.5

CITY MANAGER'S REPORT OCTOBER 10, 2022 CITY COUNCIL REGULAR MEETING

ITEM: **REVIEW AND CONSIDER TRAFFIC CALMING OPTIONS FOR JOHNSON FERRY ROAD AND THE INTERSECTION OF THOMSEN ROAD / WARFIELD ROAD**

RECOMMENDATION: **Council to Consider Options for Traffic Calming Improvements for Johnson Ferry Road and at the Intersection of Thomsen Road / Warfield Road**

SUMMARY:

City staff has received complaints from residents regarding vehicles traveling at unsafe speeds on Johnson Ferry Road between McKee Boulevard and Golden Spike Trail. On July 11, 2022, City Council directed staff to install an all-way stop at the intersection of Johnson Ferry Road and Forty Niner Trail, which was installed shortly thereafter. The Johnson Ferry Road and Forty Niner Trail all-way stop is located in the middle of the segment of Johnson Ferry Road where the current complaints have been received.

City staff has also received complaints from residents regarding vehicular movements at the intersection of Thomsen Road and Warfield Road. Residents have concerns about the safety of left turn movements on to and through movements across Thomsen Road.

Staff evaluated these locations utilizing the California Manual on Uniform Traffic Control Devices (MUTCD) and the City of Lathrop Neighborhood Traffic Calming Program. The following options are being presented to Council for review and consideration:

Johnson Ferry Road and Forty Niner Trail:

Option 1 – Remove Stop Signs and Install Striping to Reduce Lane Widths
(Approximate cost is \$6,000 for striping the street segment)

- Recommended: Reducing the traveled lane widths is an effective solution to reduce vehicle speed

Option 2 – Leave Stop Signs and Install Striping to Reduce Lane Widths
(Approximate cost of \$5,000 for striping the street segment)

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

Option 3 – Reduce Speed Limit to 25mph

(Approximate cost of \$1,000 for purchase and installation of speed limit signs)

- 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 posted speed limit.

Thomsen Road / Warfield Road:

Option 1 – Install Intersection Signage

(Approximate cost is \$1,000 for purchase and installation of signs)

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

Option 2 – Install All-Way Stop Control

(Approximate cost of \$12,000)

- Not recommended: Increase traffic average delay, vehicles emissions, speeding, noise, and frequency of rear-end accidents

Staff recommends that Council consider Option 1 for both Johnson Ferry Road and the Thomsen Road / Warfield Road intersection, however staff will proceed with Council's elected options accordingly.

BACKGROUND:

The Traffic Calming Program was established by the City of Lathrop to address and resolve local neighborhood traffic concerns. This program provides traffic calming measures that can reduce traffic speed, motor-vehicle collisions, and improve safety for pedestrians, cyclists and motorists.

Staff has received complaints from residents regarding vehicles traveling at unsafe speeds on Johnson Ferry Road between McKee Boulevard and Golden Spike Trail. On July 11, 2022, City Council directed staff to install an all-way stop at the intersection of Johnson Ferry Road and Forty Niner Trail, which was installed shortly thereafter. The Johnson Ferry Road and Forty Niner Trail all-way stop is located in the middle of the segment of Johnson Ferry Road where the current complaints have been received.

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the safety of left turn movements on to and through movements across Thomsen Road.

Staff evaluated these locations using the MUTCD and the City of Lathrop Neighborhood Traffic Calming Program. The following options are being presented to Council for review and consideration:

Johnson Ferry Road and Forty Niner Trail:**Option 1 – Remove Stop Signs and Install Striping to Reduce Lane Widths**
(Approximate cost is \$6,000 for striping the street segment)

- Recommended: Reducing the traveled lane widths is an effective solution to reduce vehicle speed

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- 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 posted speed limit.

At the meeting on July 11th, City Council evaluated options and directed staff to install all-way stop signs at the intersection of Johnson Ferry Road and Forty Niner Trail as a solution to reduce speeding on Johnson Ferry Road. Staff recommends Option 1 to remove the stop signs and reduce the lane widths. The existing lane width for Johnson Ferry Road is 17' with sporadic on-street parking. The proposed edge line and centerline would be installed to create two 10' travel lanes and two 7' parking lanes. Reducing the traveled lane widths is an effective solution to reduce vehicle speed.

Thomsen Road / Warfield Road:**Option 1 – Install Intersection Signage**

(Approximate cost is \$1,000 for purchase and installation of signs)

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

Option 2 – Install All-Way Stop Control
 (Approximate cost of \$12,000)

- Not recommended: Increase traffic average delay, vehicles emissions, speeding, noise, and frequency of rear-end accidents

The intersection at Thomsen Road and Warfield Road currently operates as a two-way stop with stop signs only on Warfield Road. Staff recommends that Council consider Option 1 to install additional signs to warn drivers that cross traffic does not stop and warn drivers on Thomsen Road that they are approaching an intersection. Option 2 is the installation of all-way stop signs and will interrupt the thru traffic along Thomsen Road, which may direct vehicles to adjacent residential streets. Option 2 will also increase air pollution, noises, speeding, and rear-end accidents due to acceleration and deceleration

REASON FOR RECOMMENDATION:

Staff request that Council consider the proposed traffic calming improvements for Johnson Ferry Road and the intersection of Thomsen Road / Warfield Road. Staff recommends that Council consider Option 1 for both Johnson Ferry Road and the Thomsen Road / Warfield Road intersection, however staff will proceed with Council’s elected options accordingly.

FISCAL IMPACT:

Staff estimates the approximate construction costs below for all the options for the two intersections:

Johnson Ferry Road and Forty Niner Trail:

Option 1 – Remove Stop Signs and Install Striping to Reduce Lane Widths	\$6,000
Option 2 – Leave Stop Signs and Install Striping to Reduce Lane Widths	\$5,000
Option 3 – Reduce Speed Limit to 25mph	\$1,000

Thomsen Rd / Warfield Road:

Option 1 – Install Intersection Signage	\$1,000
Option 2 – Install All-Way Stop Control	\$12,000

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Staff will pursue the option selected by Council, develop construction documents, and secure bids for the project. Sufficient funding has been allocated in CIP PS 22-16 Traffic Calming Measure fund (3310) in fiscal year 22/23.

ATTACHMENTS:

- A. Johnson Rd and Forty Niner Trail – Option 1: Remove Stop Signs and Install Striping to Reduce Lane Widths
- B. Johnson Rd and Forty Niner Trail – Option 2: Leave Stop Signs and Install Striping to Reduce Lane Widths
- C. Johnson Rd and Forty Niner Trail – Option 3: Reduce Speed Limit to 25mph
- D. Thomsen Rd and Warfield Rd – Option 1: Install Intersection Signage
- E. Thomsen Rd and Warfield Rd – Option 2: Install All-Way Stop Control

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APPROVALS:



Angel Abarca
Assistant Engineer

10/3/2022

Date



Brad Taylor
City Engineer

10/3/2022

Date



Cari James
Finance Director

10/4/2022

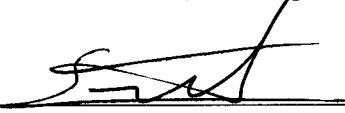
Date



Michael King
Assistant City Manager

10/4/2022

Date



Salvador Navarrete
City Attorney

10-4-2022

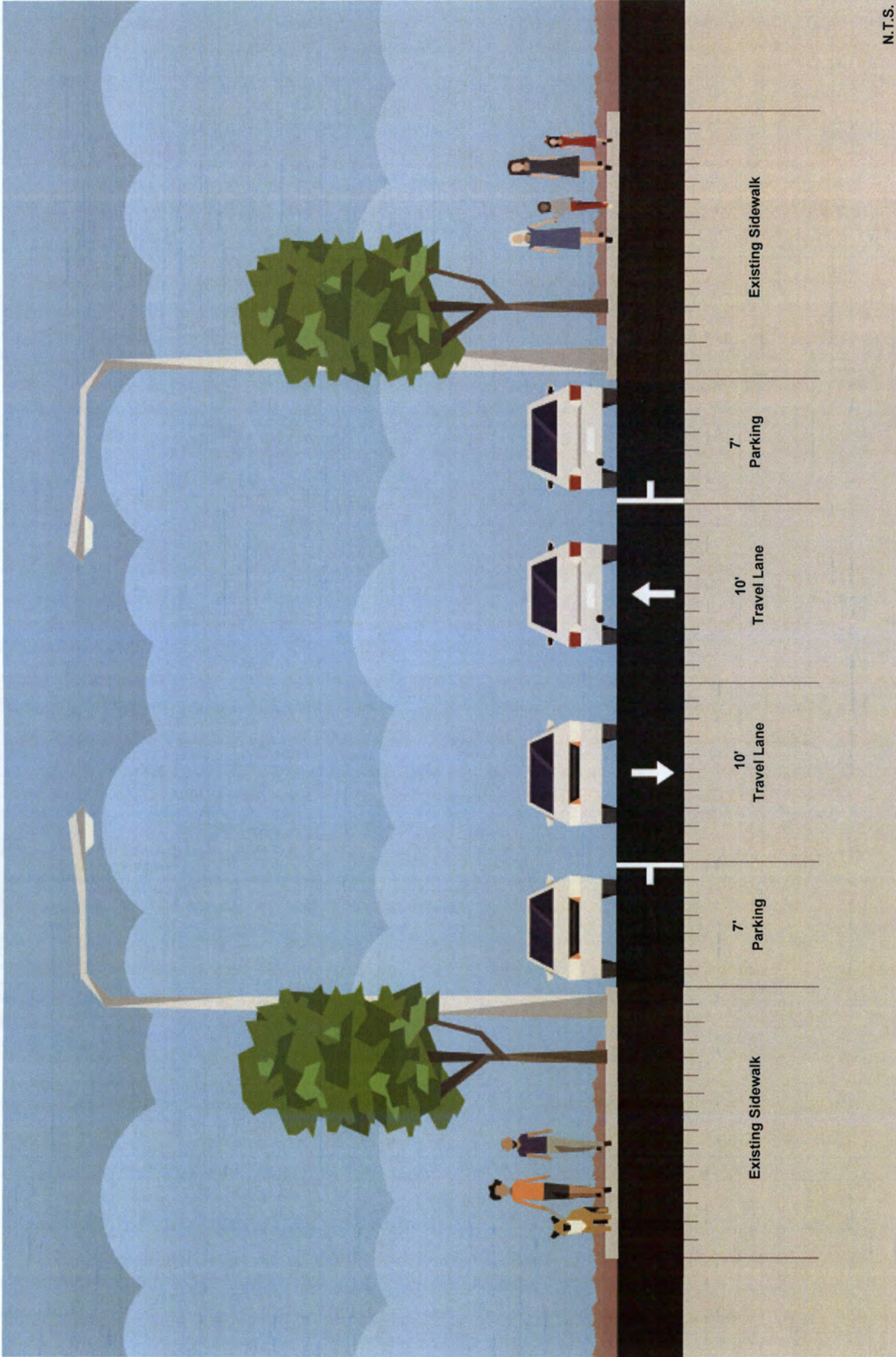
Date



Stephen J. Salvatore
City Manager

10.5.22

Date



N.T.S.

Proposed Striping for Johnson Ferry Road



MATCH LINE (SEE BELOW)

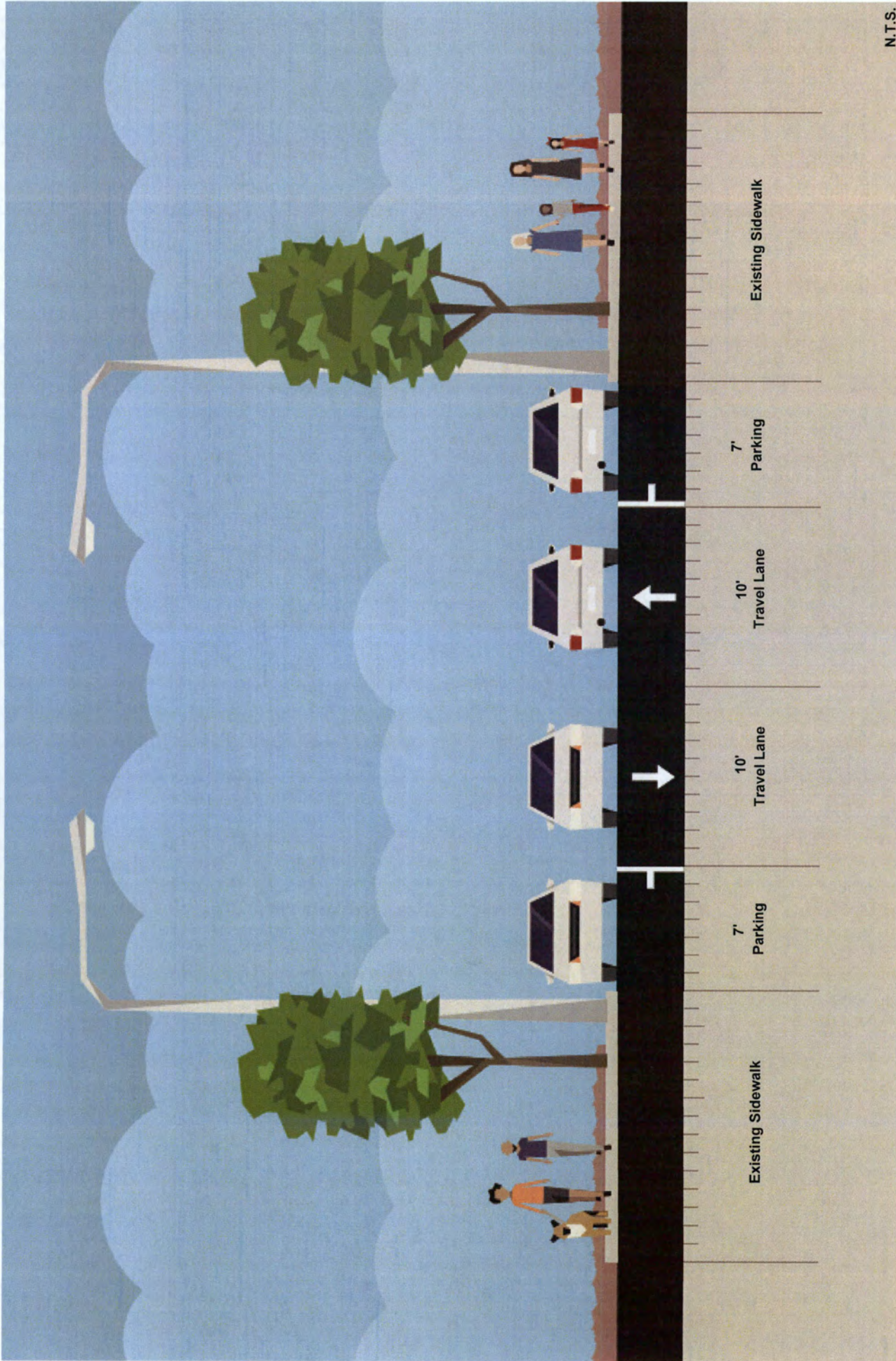
Remove STOP signs



MATCH LINE (SEE ABOVE)

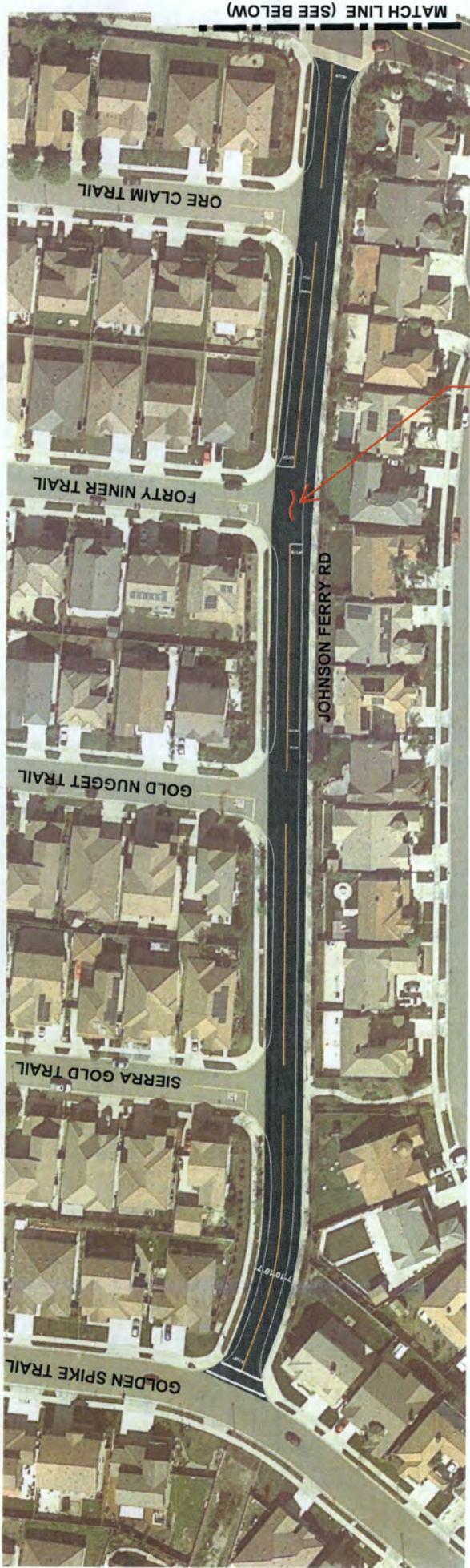


N.T.S.



N.T.S.

Proposed Striping for Johnson Ferry Road



MATCH LINE (SEE BELOW)

STOP signs to remain



MATCH LINE (SEE ABOVE)



N.T.S.



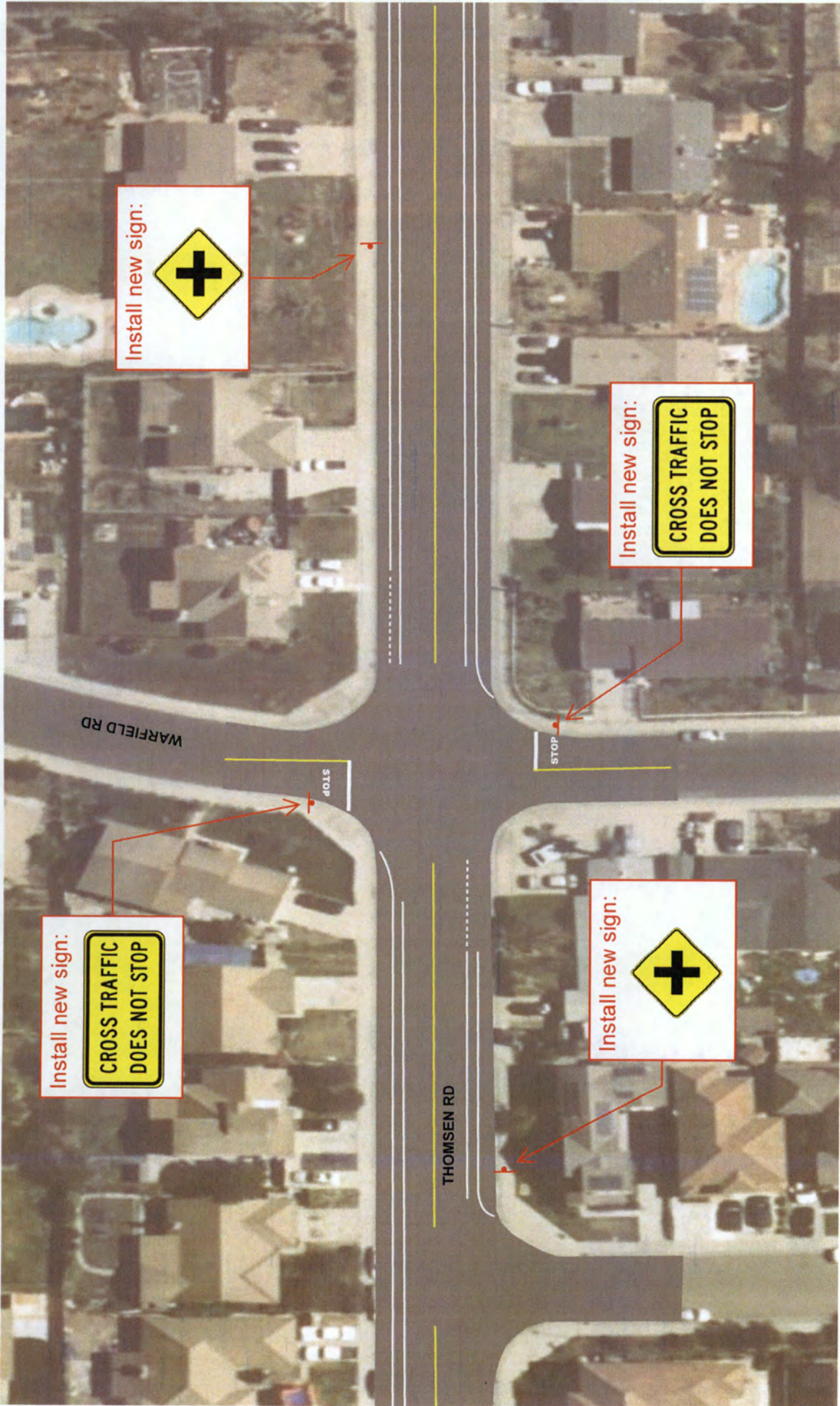
ATTACHMENT

Johnson Ferry Rd (Golden Spike Trail - Loganberry Way)

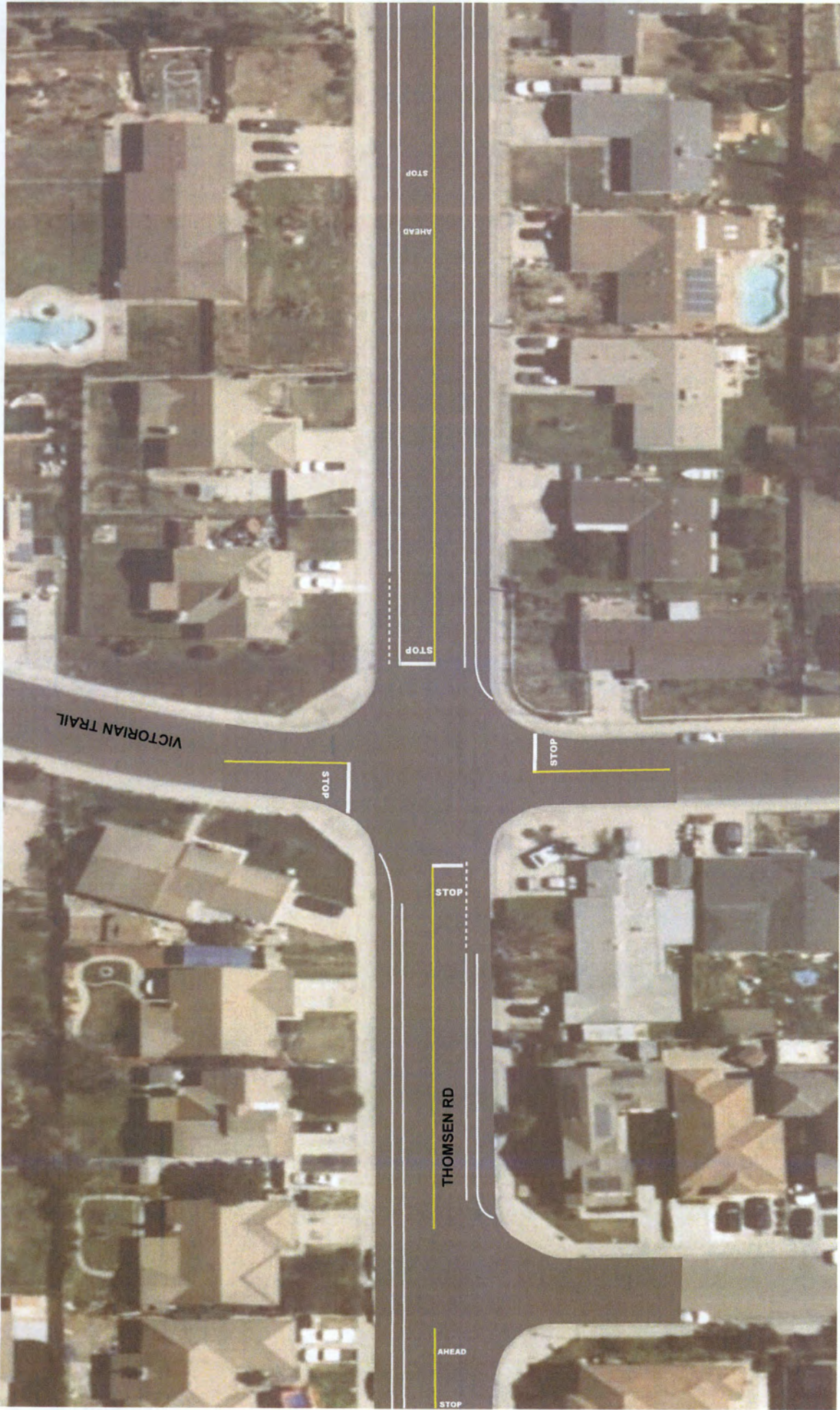
Proposed 25 MPH Speed Limit

(EXISTING)
SPEED
LIMIT
25

(EXISTING)
SPEED
LIMIT
30



THOMSEN RD & WARFIELD RD INTERSECTION
WARNING SIGNS



THOMSEN RD & WARFIELD RD INTERSECTION
ALL-WAY STOP CONTROL

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