

# Presentation to San Rafael City Council

November 1, 2021



## ADA Improvements and Roundabout at the Manuel T Freitas Parkway / Route 101 Interchange

Delivering a better world





Matthew Korve, PE  
Task Order Manager

# Project Overview

## Need and Purpose

- Pedestrian safety
- ADA compliance
- Consistency with Caltrans Strategic Plan & Complete Street Policy

## Scope

- Reconstruct curb ramps and sidewalk
- Remove stairs and bus stop access across loop ramps
- Relocate NB bus stop to Redwood Hwy
- Construct roundabout at Redwood Hwy/ Civic Center Dr intersection

## Benefit to City of San Rafael

- Improved safety
- Improved traffic operation on local street
- Reduced emissions
- Reduced long-term maintenance
- Compatibility with San Rafael's plan for roundabout on west side of the freeway



# Project Cost and Schedule

## Estimated Construction Cost

- \$3.3 Million (2021 Dollars)

## Schedule

- Complete Design – June 2022
- Advertise Project – November 2022
- Award Project – January 2023
- Begin Construction – April 2023
- Finish Construction – October 2023





# Existing Conditions

## Manuel T Freitas Parkway / US-101 Interchange

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- Redwood Hwy and Civic Center Dr are STOP controlled
- Manuel Freitas Pkwy and NB Ramps are uncontrolled
- Bus stops within State R/W access via uncontrolled crossing of loop ramps
- Existing non-ADA compliant pedestrian facilities



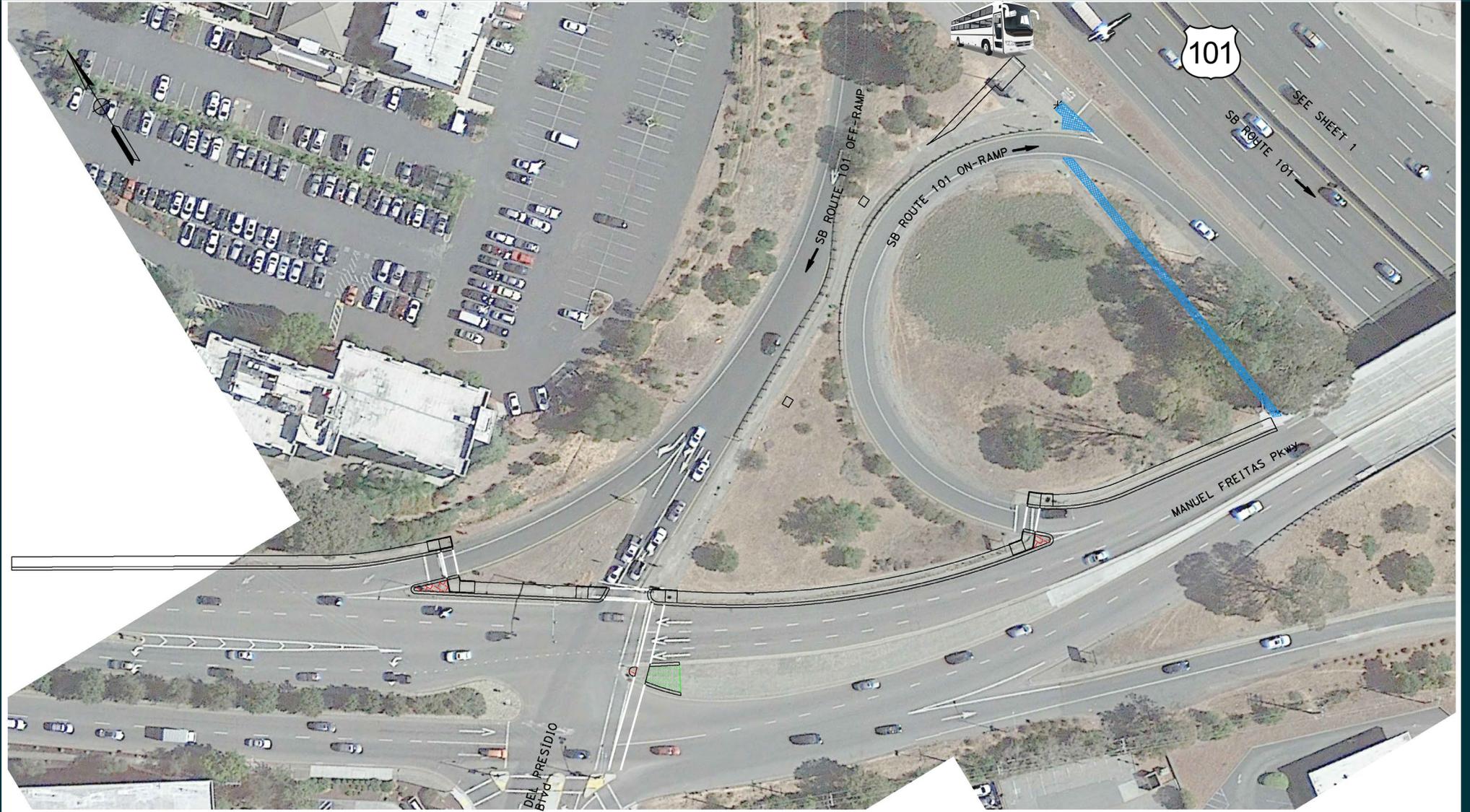


# Proposed Improvements (West Side)

## Manuel T Freitas Pkwy / Southbound Ramps

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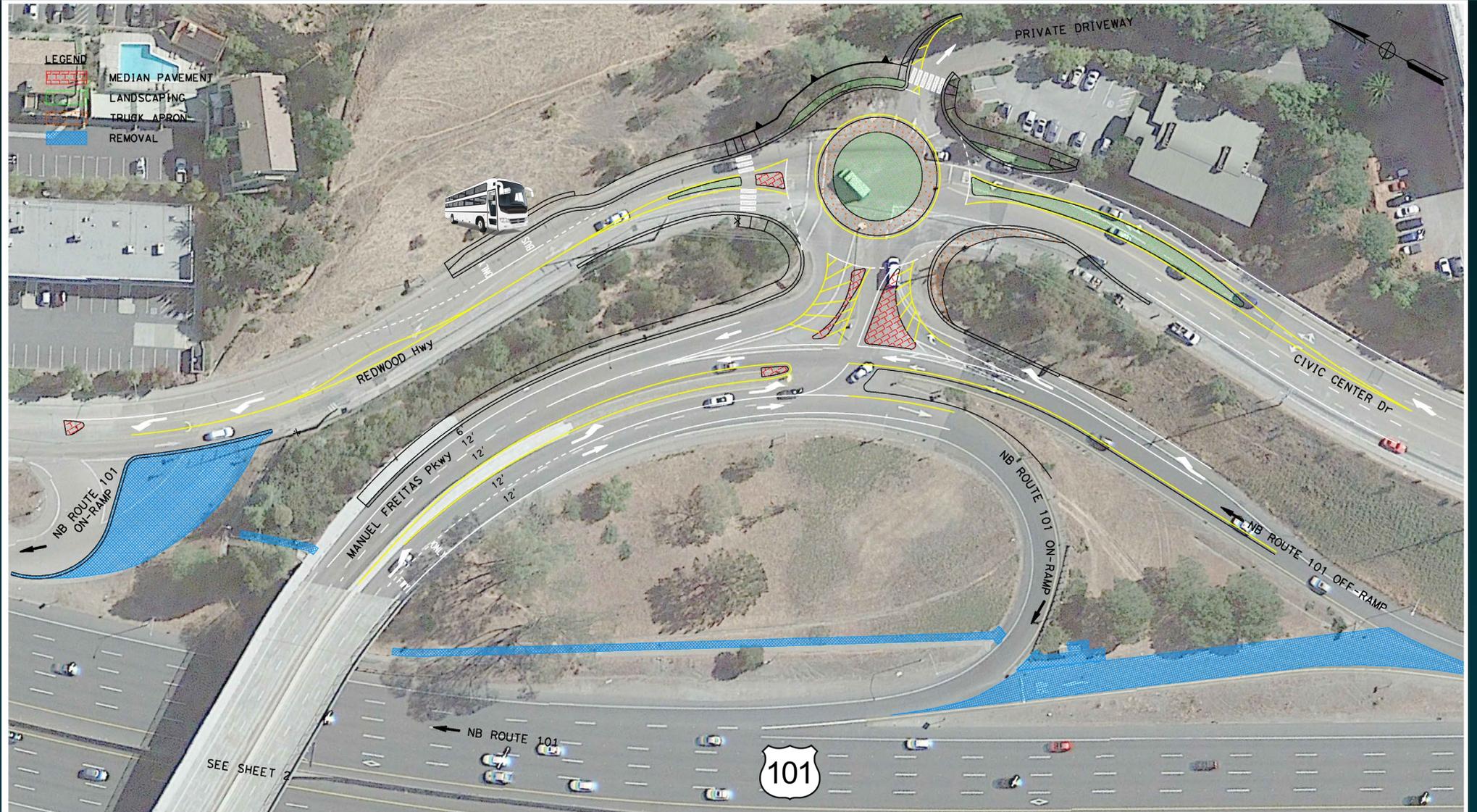
- Reconstruct sidewalks and curb ramps
- Add rest areas to bus stop access
- Add pedestrian refuge to N-S crosswalk
- Modify drainage systems
- Remove Staircase and uncontrolled crossing





# Proposed Improvements (East Side)

Manuel T Freitas Pkwy / Northbound Ramps / Redwood Hwy / Civic Center Dr



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- Relocate bus stop to Redwood Hwy
- Remove Staircase and uncontrolled crossing
- Consolidate NB ramp entry
- Reconstruct sidewalks and curb ramps
- Construct retaining wall and roundabout
- Install Landscaping





# Proposed Stage 1 Pedestrian Detour

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**DURATION: ~3  
MONTHS**

**WEST SIDE:**

- SB Bus Stop Improvements*
- Pedestrian Refuge*
- Traffic Signal Foundations*

**EAST SIDE:**

- Retaining Wall*
- Median Removal*
- Sidewalk*

**DETOURS:**

- No Vehicle Detours*
- Pedestrians Routed via Shielded NB Redwood Hwy Slow Lane*





# Proposed Stage 2 Pedestrian Detour

**Matthew Korve, PE**  
Task Order Manager

**DURATION: 55  
HOURS**

**WEST SIDE:**

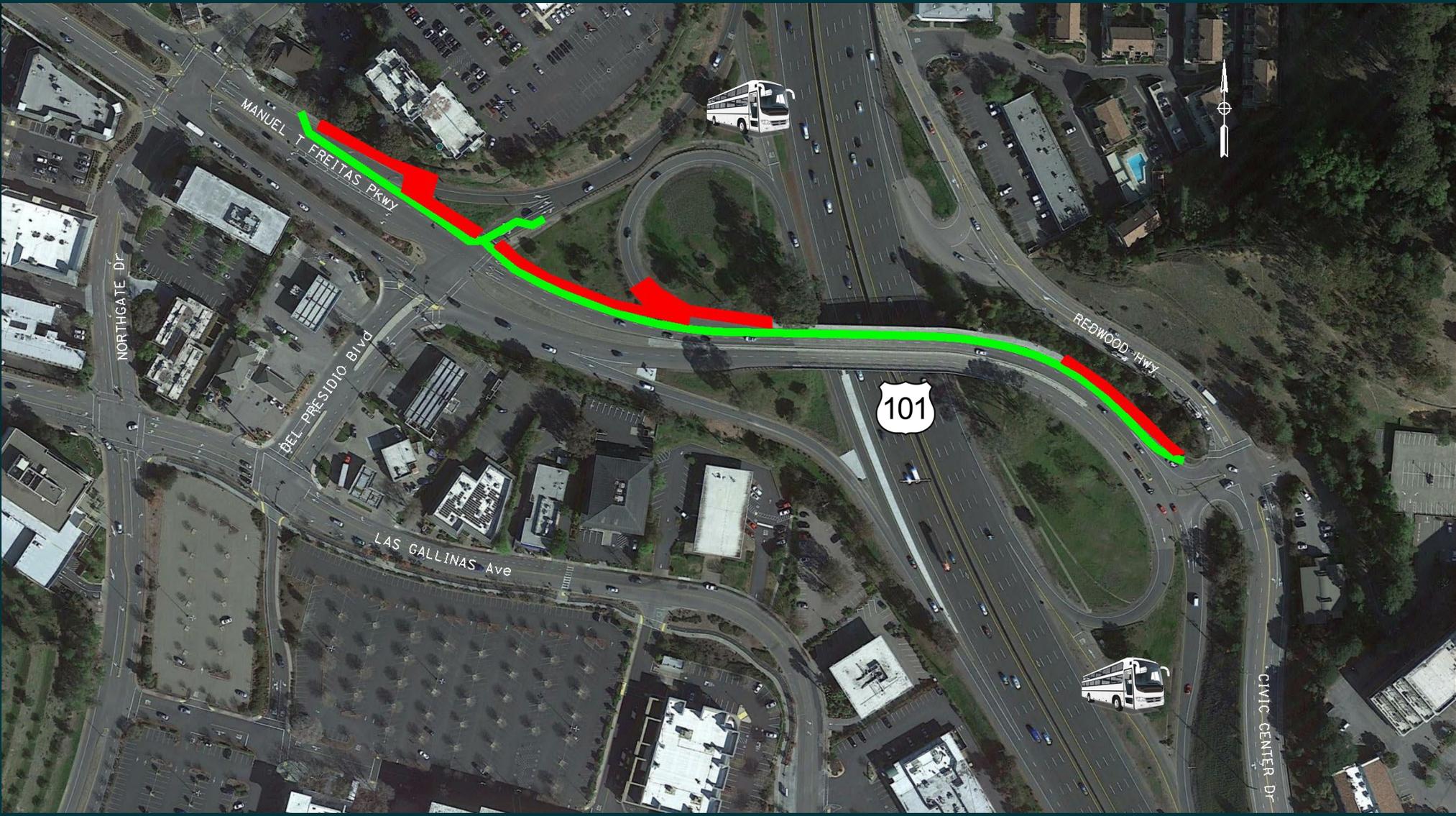
- Curb Ramps & Sidewalks
- Traffic Signals

**EAST SIDE:**

- Sidewalk

**DETOURS:**

- SB Off-ramp and Loop On-ramp Closed
- Off-ramp Traffic Diverted to San Pedro IC
- Loop On-ramp Traffic Diverted to Northgate Dr
- Pedestrians Routed via Shielded WB MFP Slow Lane





# Proposed Stage 2 Vehicle Detours

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Task Order Manager

**DURATION: 55 HOURS**

**WEST SIDE:**

*Curb Ramps & Sidewalks  
Traffic Signals*

**EAST SIDE:**

*Sidewalk*

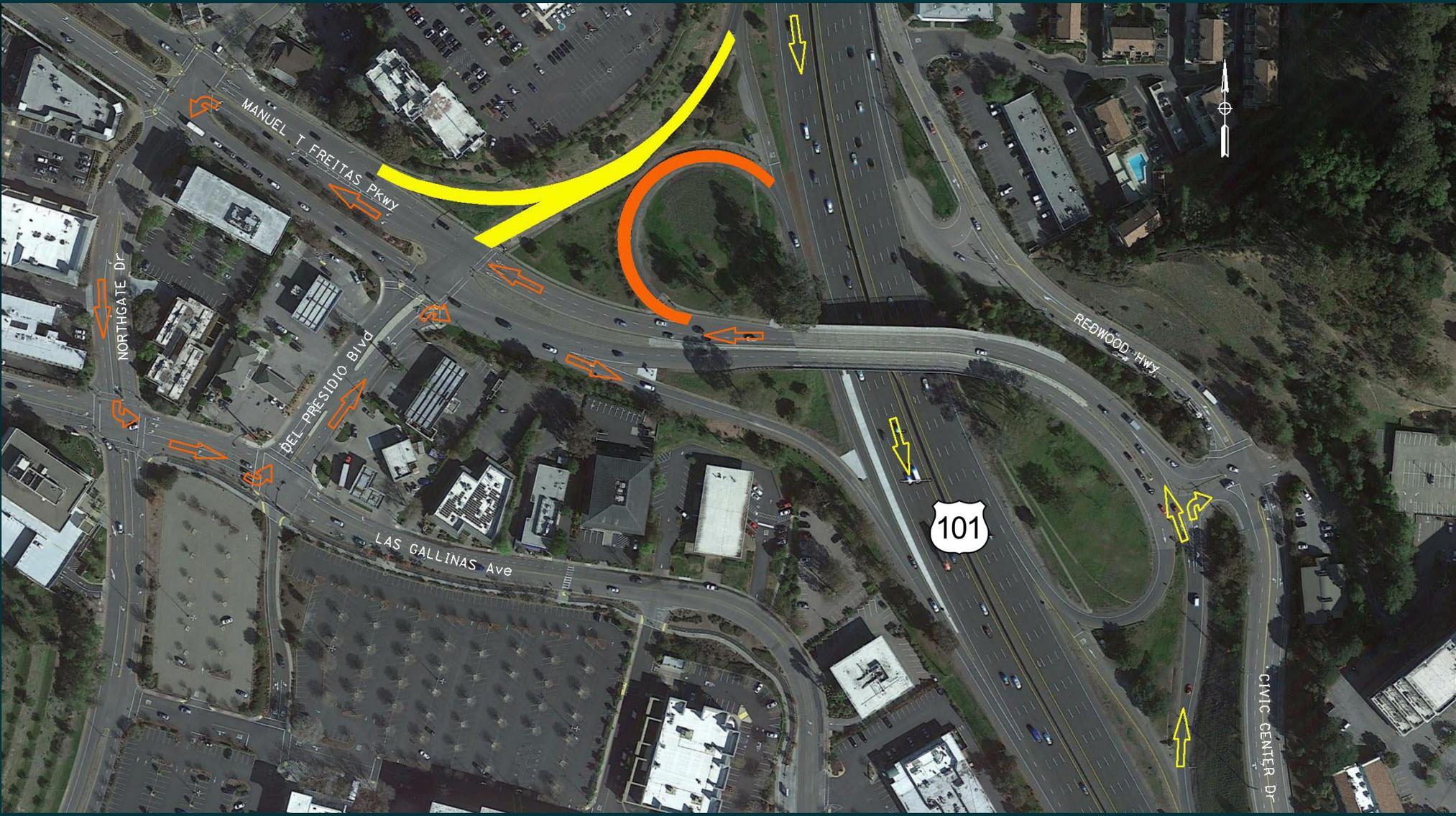
**DETOURS:**

*SB Off-ramp and Loop On-ramp Closed*

*Off-ramp Traffic Diverted to San Pedro IC*

*Loop On-ramp Traffic Diverted to Northgate Dr*

*Pedestrians Routed via Shielded WB MFP Slow Lane*





# Proposed Stage 3 Pedestrian Detour

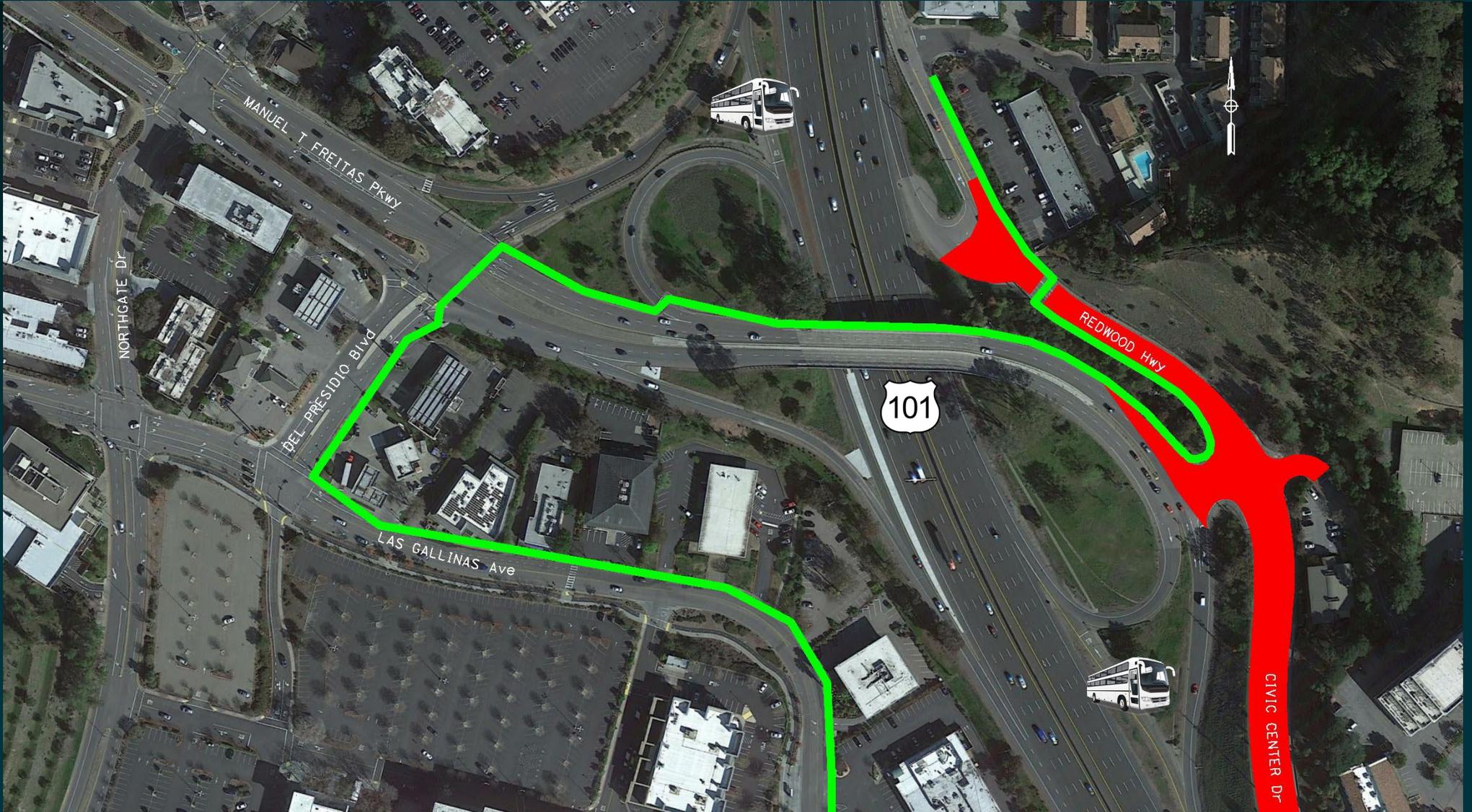
**Matthew Korve, PE**  
Task Order Manager

**DURATION: ~2  
MONTHS**

**WEST SIDE:**  
*Complete*

**EAST SIDE:**  
*Roundabout  
NB Slip On-ramp*

**DETOURS:**  
*Redwood Hwy / Civic  
Center Dr  
Intersection Closed  
Traffic Diverted to  
Smith Ranch IC or  
Merrydale OC  
Pedestrians Routed  
Around Construction  
via Merrydale OC*





# Proposed Stage 3 Freeway Detours

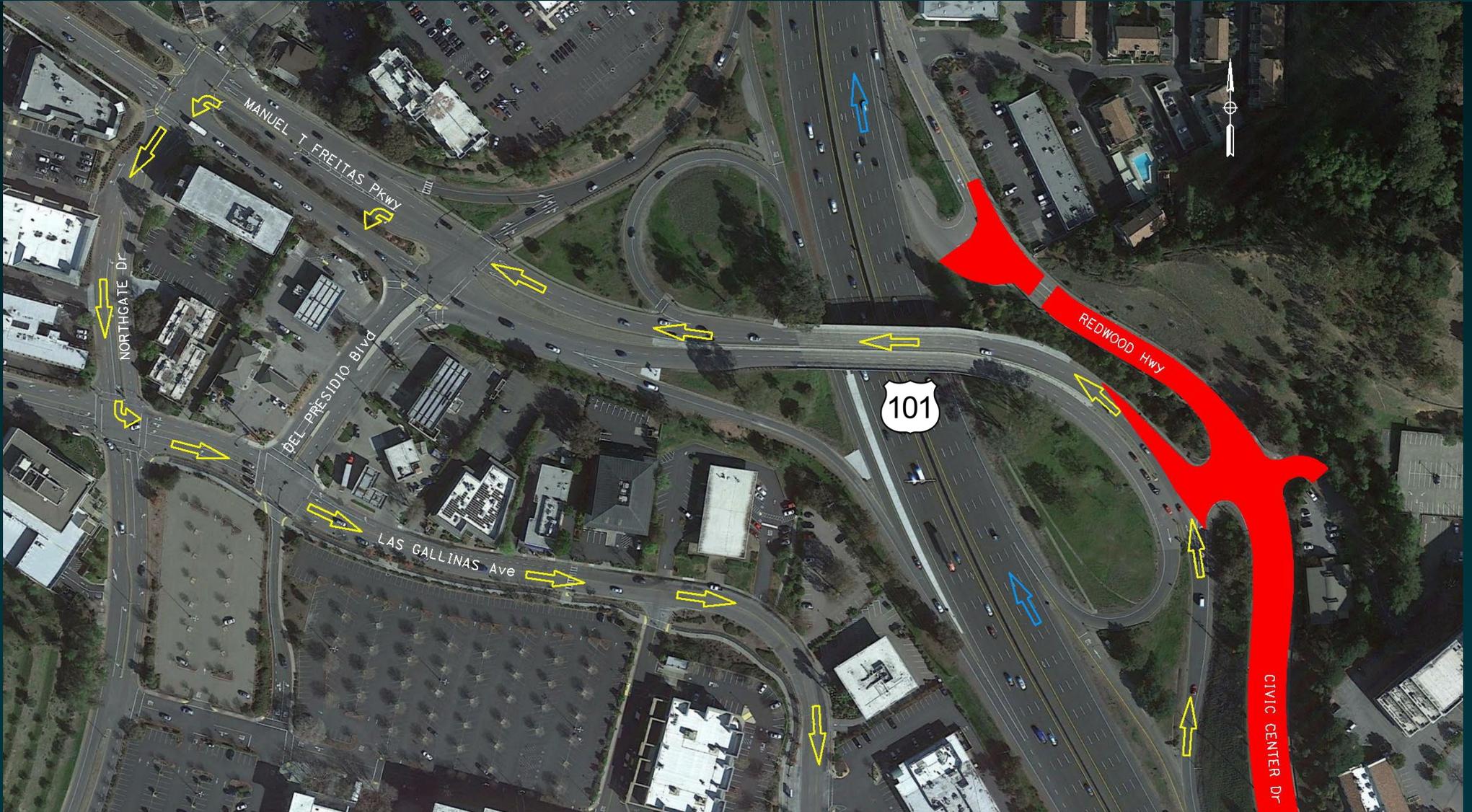
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Task Order Manager

**DURATION: ~2 MONTHS**

**WEST SIDE:**  
Complete

**EAST SIDE:**  
Roundabout  
NB Slip On-ramp

**DETOURS:**  
Redwood Hwy / Civic Center Dr  
Intersection Closed  
Traffic Diverted to  
Smith Ranch IC or  
Merrydale OC  
Pedestrians Routed  
Around Construction  
via Merrydale OC





# Proposed Stage 3 Local Road Detours

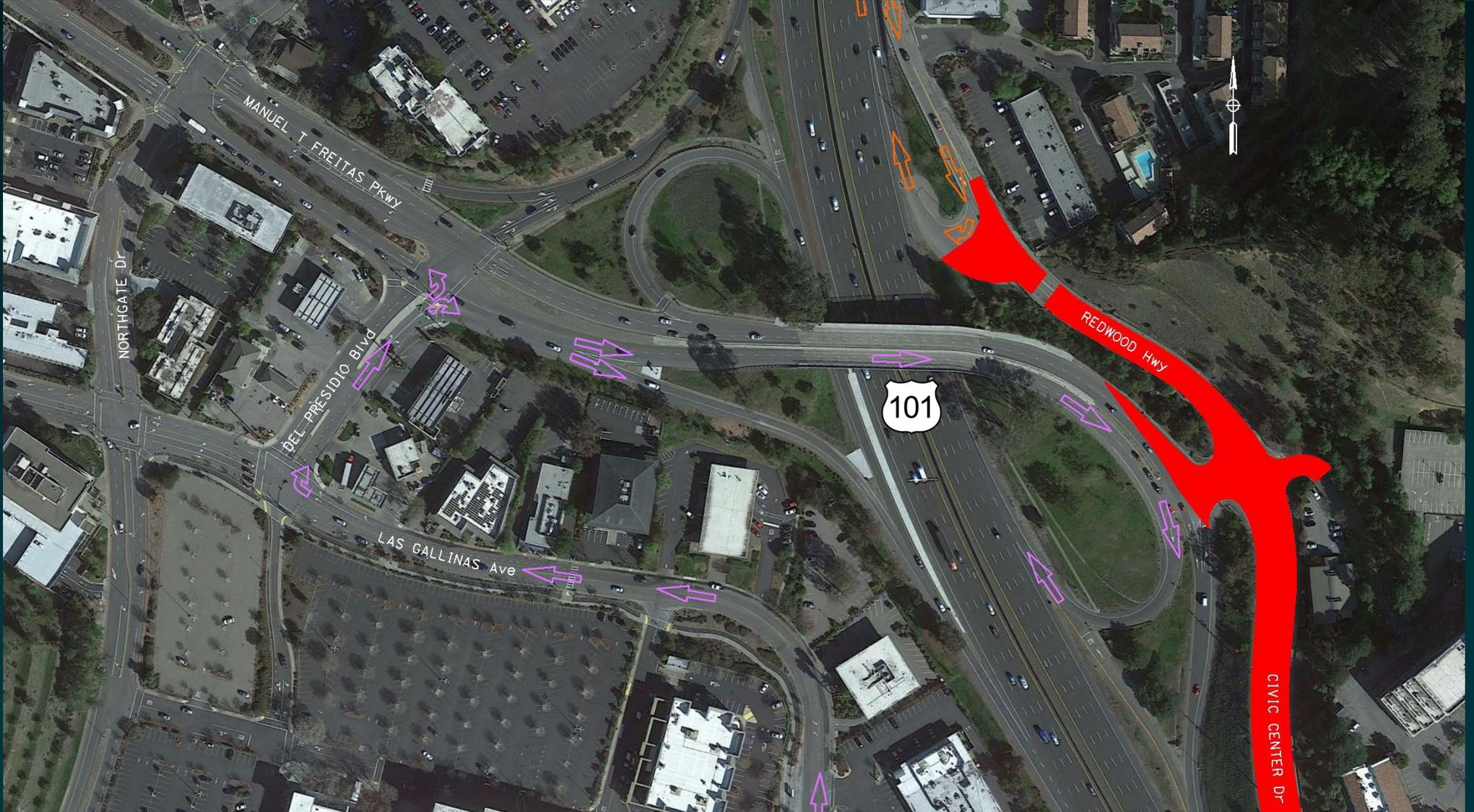
**Matthew Korve, PE**  
Task Order Manager

**DURATION: ~2 MONTHS**

**WEST SIDE:**  
*Complete*

**EAST SIDE:**  
*Roundabout  
NB Slip On-ramp*

**DETOURS:**  
*Redwood Hwy / Civic Center Dr  
Intersection Closed  
Traffic Diverted to  
Smith Ranch IC or  
Merrydale OC  
Pedestrians Routed  
Around Construction  
via Merrydale OC*





# Proposed Stage 4

## No Detours

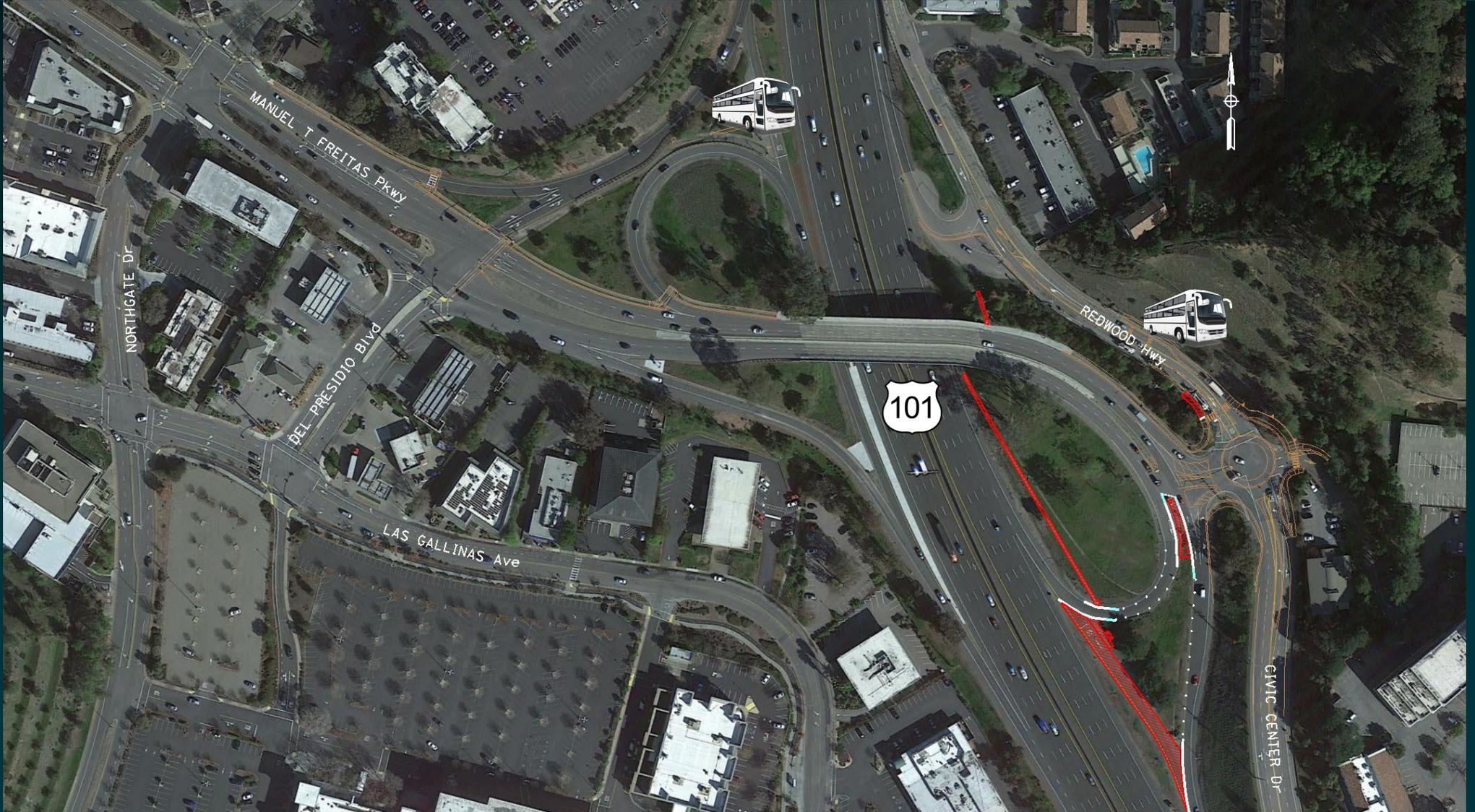
**Matthew Korve, PE**  
Task Order Manager

**DURATION: ~1 MONTH**

**WEST SIDE:**  
Complete

**EAST SIDE:**  
NB Bus Stop Removal  
Median Extension  
Sidewalk

**DETOURS:**  
No Vehicle Detours  
No Pedestrian Detours



# Thank you