

# Department of Public Works



## **Middlefield Road Improvement Project – Status/Update**

### **North Fair Oaks Community Council Meeting**

November 21, 2019

# Middlefield Road Improvement Project

## Project Limits and Key Components

- **Roadway Improvements:**

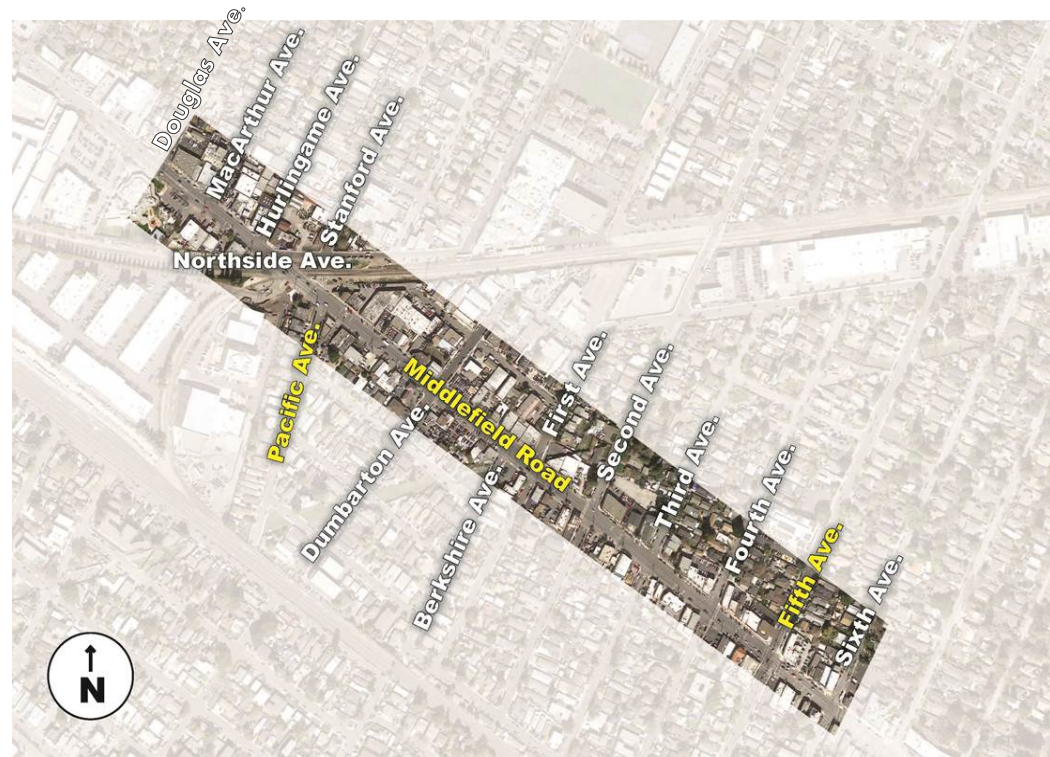
- Pacific Avenue to Fifth Avenue (0.5 mi)

- **Utility Undergrounding:**

- MacArthur Avenue to and Fifth Avenue

- **Sanitary Sewer Replacement:**

- Douglas Avenue to Sixth Avenue



# Middlefield Road Improvement Project

## General Layout and Elements

- New lane configuration: 1 lane in each direction
- Widened Sidewalks
- Street Lights
- Buffered Bike Lanes
- High Visibility Crosswalks
- Rectangular Rapid Flash Beacon (RRFB)
- Traffic Signals
- Street Trees
- Bike Racks, Benches
- Trash Receptacles
- Undergrounding Overhead Utilities
- Green Infrastructure/stormwater treatment features



# Middlefield Road Improvement Project

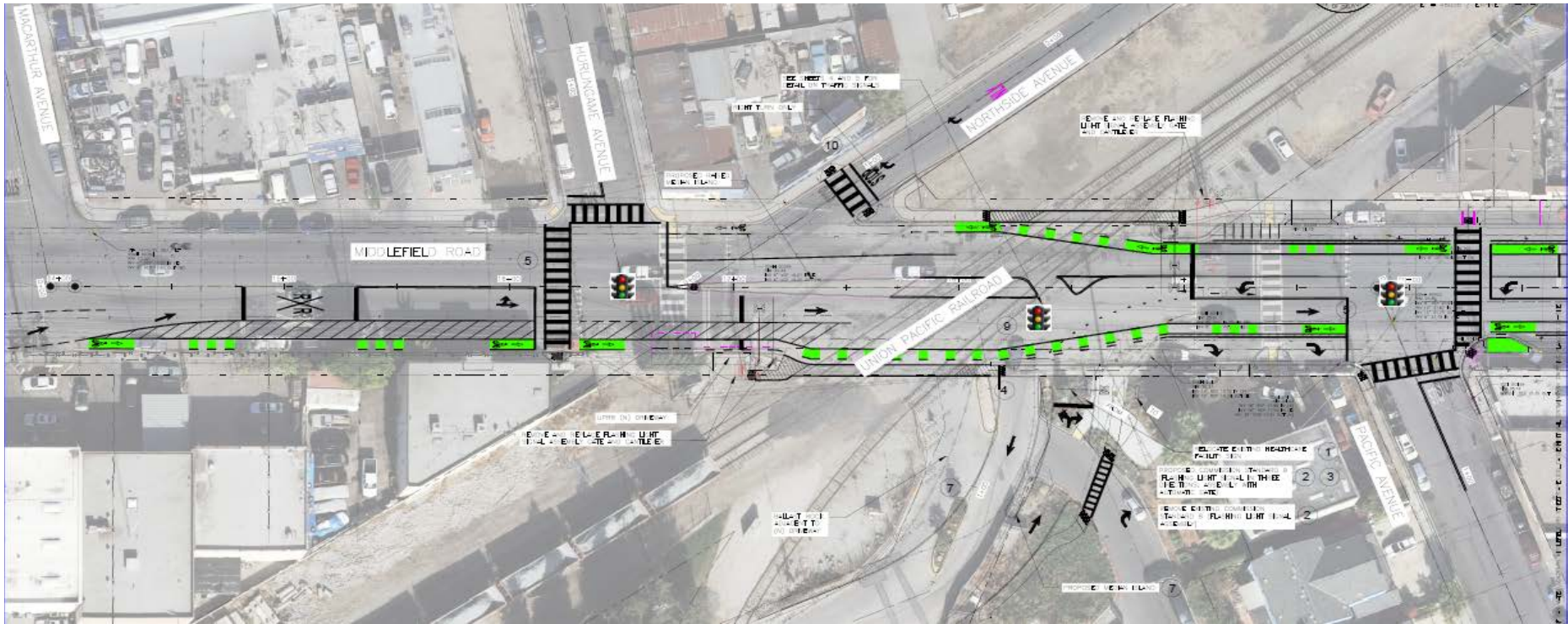
## Street View





# Middlefield Road Improvement Project

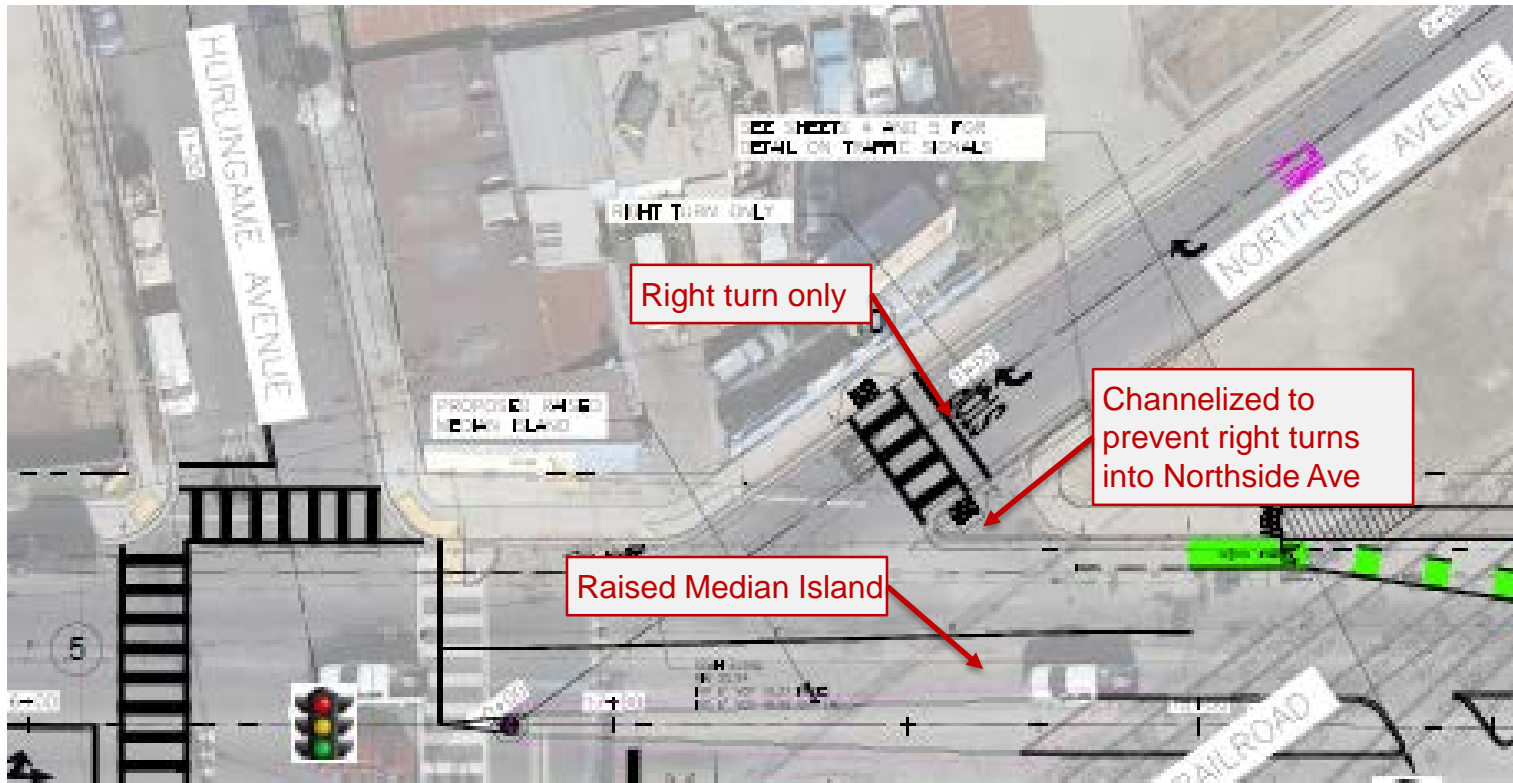
## Traffic Signals and Clinic/Redwood Junction Driveway



- Three (3) new traffic signals - Hurlingame, Clinic/Redwood Junction driveway, and Pacific Ave.
- Signals will be interconnected to the railroad crossing equipment.
- New railroad crossing equipment at Clinic/Redwood Junction driveway.

# Middlefield Road Improvement Project

## Modifications near Railroad Crossing



- **Northside Avenue** - one way from Stanford Avenue to Middlefield Road and right turn exit only
- **Median** - on Middlefield Road to prevent left turns from Northside Avenue to Middlefield Road

# Middlefield Road Improvement Project

## Progress To-Date

Rectangular Rapid Flash Beacon (RRFB)  
at all unsignalized intersections

(Sample shown for illustrative purposes only)



# Middlefield Road Improvement Project

## Parking Spaces

Parking Spaces will be converted from diagonal to parallel.

- Existing Parking Spaces on Middlefield Road within Project Limits: 125
- Parking after Middlefield Road Improvement Project: 78 (difference of 47 spaces)
- Middlefield Road @ 2<sup>nd</sup> Ave Parking Lot: 43
- Berkshire Ave @ Huntington Ave Parking Lot: 16
  - Total number of spaces after Project completion: 137



# Middlefield Road Improvement Project

Middlefield Road @ 2<sup>nd</sup> Avenue Lot (43 Parking Spaces)

Parking Restrictions: 2 Hour parking from 7:00 am - 10:00 pm.

No Parking from 10:00 pm - 7:00 am



# Middlefield Road Improvement Project

Berkshire Road @ Huntington Ave Parking Lot  
**(16 parking spots for compact cars)**

Parking Restrictions: 2 Hour parking from 7:00 am - 10:00 pm  
No Parking from 10:00 pm - 7:00 am



# Middlefield Road Improvement Project

## Anticipated Construction Schedule

- Anticipated Start of Construction: Summer, 2020\*  
(\*Construction commencement contingent upon permit and agreement approvals from Railroad Agencies (CPUC, SamTrans, UPRR), PG&E, and SFPUC)
- Typical construction work hours: 8:00 AM-5:00 PM\*\* Monday thru Friday (\*\*must be approved by County Department of Public Works)
- Anticipated Construction Duration: 1.5 years (Winter, 2021)

# Middlefield Road Improvement Project

## Anticipated Construction Sequence\*

1. Underground work – Trenching for undergrounding of utilities and sanitary sewer pipe replacement
2. Sidewalk Construction
3. Road Work
4. Install streetlights, trees, and traffic signals
5. Railroad crossing equipment installed by UPRR
6. PG&E and other utilities to pull wires through the underground conduits
7. Energize underground system, remove overhead wires, and remove poles

\*Note: some of these items of work may be concurrent, but this provides a general sequence of work





# Middlefield Road Improvement Project

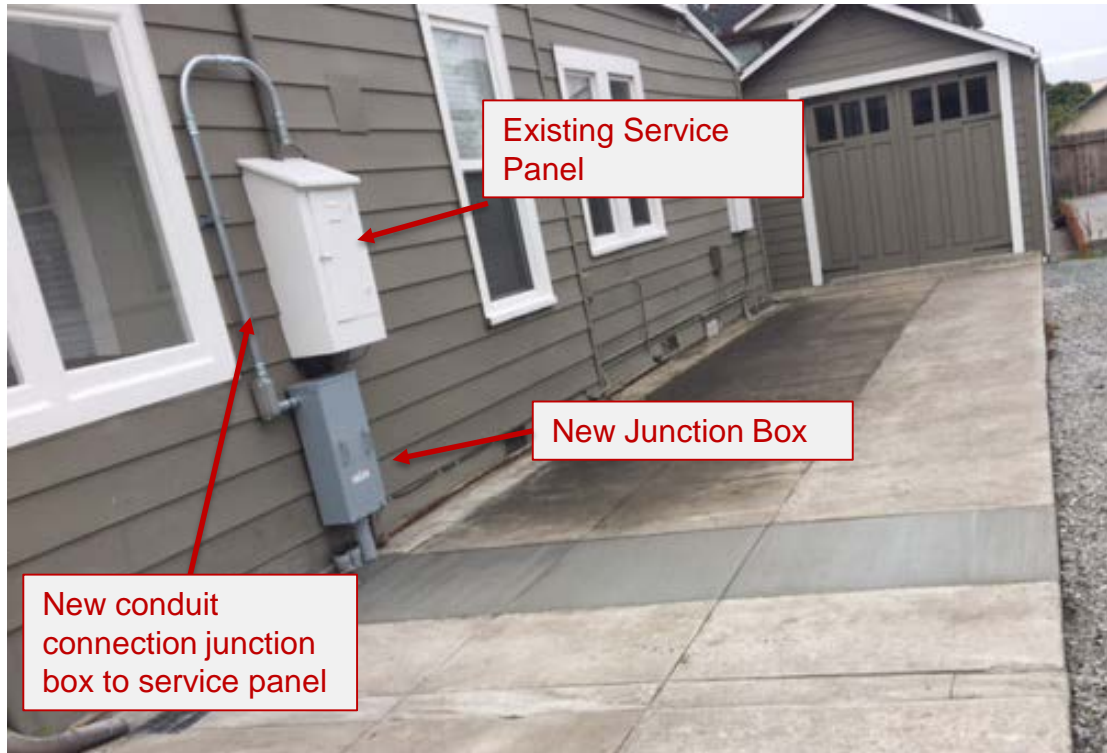
## Anticipated Access During Construction

- Work on one side of Middlefield Road in two blocks at a time
- Temporary pedestrian walkways as required to allow pedestrian access
- Access for delivery trucks and vehicle service to businesses will be maintained and may be controlled by flaggers at work zone entrances during construction hours
- Emergency vehicle access will be provided
- County will coordinate with SamTrans bus service during construction

# Middlefield Road Improvement Project

## Electrical Conversion Illustration

New junction box connected to the existing service panel  
(Sample shown for illustrative purposes only)



# Middlefield Road Improvement Project

## Ongoing/Continued Efforts to be Bid Ready

- Finalize the plans and specifications
- Coordinate with or obtain required permits from:
  - Union Pacific Rail Road (UPRR)
  - SamTrans/Caltrain
  - California Public Utilities Commission (CPUC)
  - San Francisco Public Utilities Commission (SFPUC)
  - Pacific Gas and Electric (PG&E), AT&T, Comcast, Wave Broadband
- Obtain necessary easements for Clinic/Redwood Junction Driveway
- Completed coordination County's Information Services Department (ISD) to provide County Wi-fi along Middlefield Road within the Project limits

**Thank You!**



*Questions?*