

# Middlefield Road Improvement Project

*Department of Public Works  
Status / Update*

*April 27, 2023*



# Project Limits and Key Components

## Roadway Improvements:

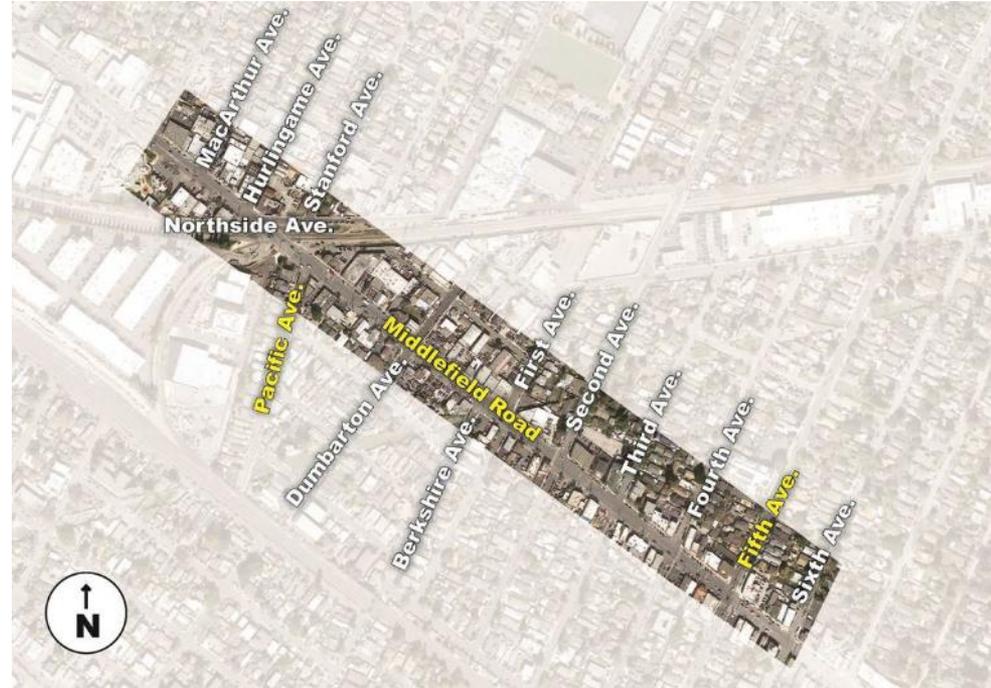
- Pacific Avenue to Fifth Avenue (0.5 mi)

## Utility Undergrounding:

- MacArthur Avenue to and Fifth Avenue

## Sanitary Sewer Replacement:

- Douglas Avenue to Sixth Avenue



# 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
- Public Wifi, Smart features
- Undergrounding Overhead Utilities
- Green Infrastructure/stormwater treatment features



# Construction Updates

## Sanitary Sewer Work

- 99% completed with Sanitary Sewer Work
- Remaining work includes crossing under Union Pacific Railroad (UPRR) tracks

## Storm Drain/Green Infrastructure Installation

- 100% complete for new underground storm drain pipes
- Green Infrastructure Basins – Completed in Phases 4, 3, 2 and 1
- Remaining work in Phases 5, 6, 7, 8, and 10



# Construction Updates

## Joint Trench Work

- 80% completed
- Remaining areas include three crossing under UPRR, and East Side of Middlefield Road (Phases 5, 6, 7, and 8)

## Surface Improvements (Sidewalks and Curb & Gutter- 50% completed )

- Phases 4, 3, 2 and 1 are completed
- Remaining work will occur in the following order (subject to change)  
10 > 6 > 7 > 8 > 5



# Project Schedule

## April Schedule Update

Middlefield Road Improvement Project Schedule - Updated as of April 2023

Work Description	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23
USA and Pothole														
Sanitary Sewer*														
Joint Trench**														
Concrete & Site Amenities***														
Paving														
Striping														

Days affected by rain delay

\* Sanitary Sewer Work includes open trench pipeline replacement, removal and reconstruction of manholes, and reconnecting sewer laterals.

\*\* Joint Trench Work includes open trench installation of joint trench conduits, joint trench junction boxes, electrical conduit and bases. ISD Community Fiber Network and SMC Public Wifi components are included this work.

\*\*\* Concrete & Site Amenities may include some or all of the following: removing existing sidewalks, installing irrigation, green infrastructure areas, finish grading, forming and pouring concrete, and installing site amenities like benches, bicycle racks, trash receptacles and streetlights. ISD Smart features will be installed as part of this work.

\*\*\*\* Completion date has been extended from Oct. 2022, to Aug. 2023 due to unforeseen circumstances related to utility conflicts, a work shut down due to COVID-19, and weather. The most recent schedule update shows the project completion date in August of 2023. DPW has schedule meetings to understand the schedule impacts on the project and what can be done to mitigate future impacts, gain back time, and complete the project as soon as possible.

DPW's completion date represents the timing for roadwork completion for the Middlefield Road Improvement Project, with the exception of portions of the sidewalk and the utility poles will remain. The overhead wires, utility pole, and unfinished sidewalk (next to the utility pole) will remain after the County has completed the road improvement work. Each utility purveyor will be responsible for removing their overhead wires and the last utility on the joint pole (typically Verizon or Comcast) will remove the pole and patch the sidewalk areas where the poles were removed. This phase may take up to several months to complete. DPW will continue to communicate with each utility purveyor for Project timelines and final completion date.

Not to Exceed (NTE) amount was increased by \$2,500,000 at the November 1, 2022 Board of Supervisors meeting per Resolution No. 079277 to a new NTE of \$23,544,550.

Note: Schedule is weather dependent and will likely change due to utility purveyors schedule.

Information below as of March 25, 2023 (Last Progress Payment #22)

Notice to Proceed: 5/17/21

Working Days (WD): 340

Time Extensions: 157 WD

Percent of Contract Time (WD) Elapsed: 78%

Contract Budget : Low Bid Amount: \$19,131,379

Increase in NTE Amount: \$2,500,000.00

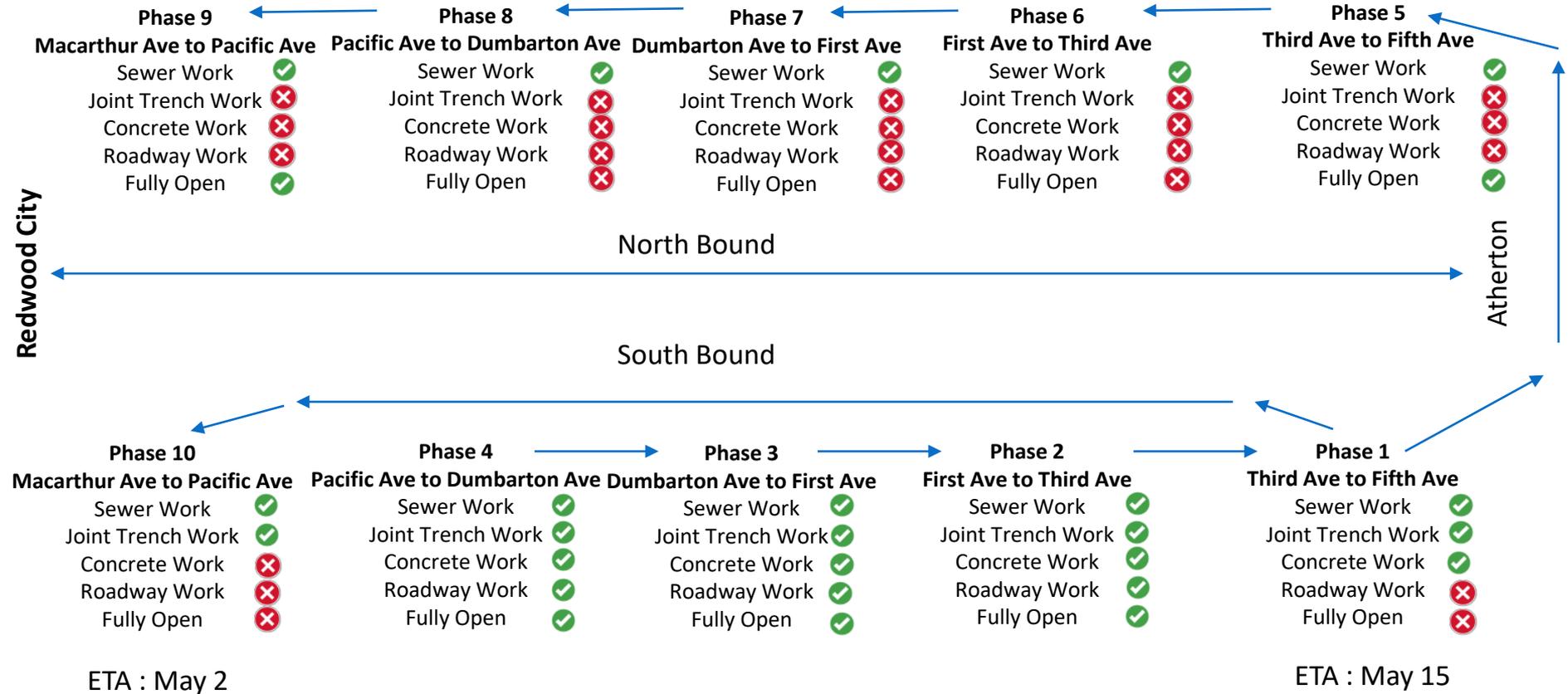
Not To Exceed Amount: \$23,544,550

Amount Earned: \$16,029,097.81

Percent of Contract Complete (\$): 70%



# Project Phases, Progression of Work and Status



# Access During Construction



*Public Convenience – Signs posted*



*Public Convenience – Signs posted*



# Access During Construction



*Public Convenience – Detour for pedestrians*



*Public Convenience – Detour for pedestrians*



# Access During Construction



*Public Convenience – Temporary Business Access*



*Public Convenience – Temporary Business Access*

# Ongoing Construction

## Phase 10 Sidewalk



*Sidewalk being removed from Phase 10*



*Driveway Access maintained for auto businesses*



# Ongoing Construction

## Phase 10 Sidewalk



*Phase 10 sidewalk removed, looking south*



*Phase 10 corner near NFO Community Center/Library*

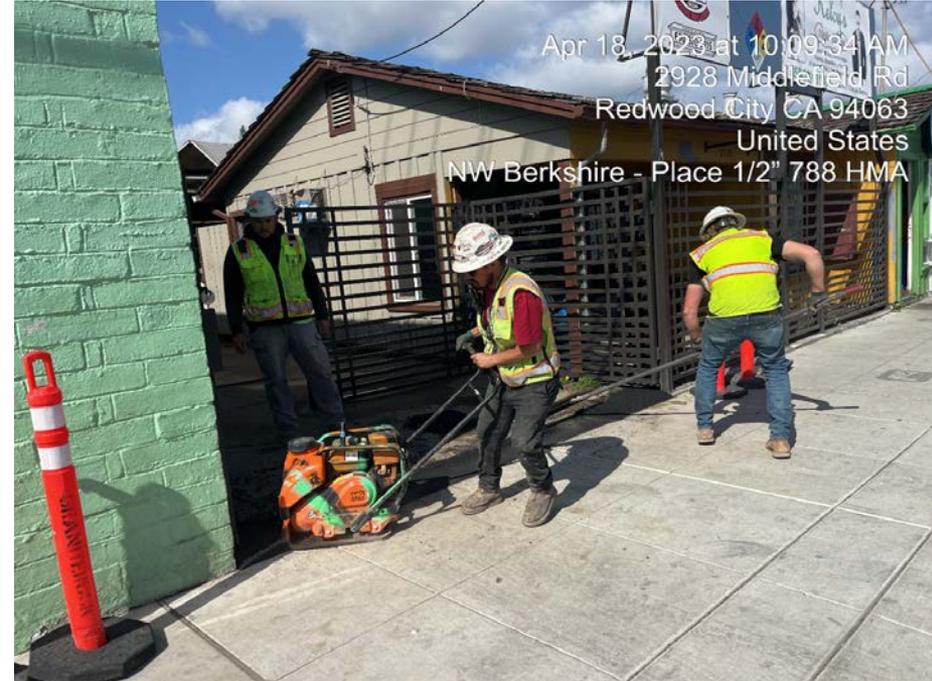


# Ongoing Construction

## Phase 2 Completed



*Phase 2 concrete work completed*

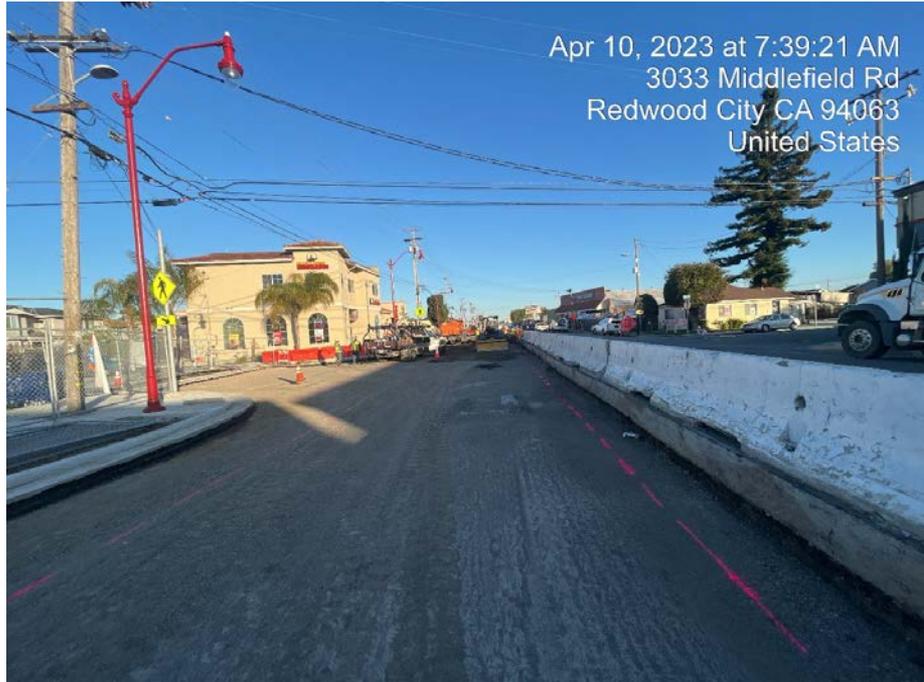


*Conform at the back of sidewalk for driveways*



# Ongoing Construction

## Phase 2 Completed



*Roadway grading completed*



*Paving work occurred on April 10*



# Ongoing Construction

## Phase 2 Completed



*Drum roller compacting paving*



*Finish roller compacting intersection*



# Ongoing Construction

## Phase 6, 7, 8 Utility Joint Trench Work



*Installation of joint trench conduits*



*Installation of new PG&E utility underground vault*



# Ongoing Construction

## Phase 2 Sidewalk Improvements



*Formwork including sidewalk and green infrastructure*



*Formwork for sidewalk*



# Ongoing Construction

## Phase 2 Sidewalk Improvements



*Concrete pour near 2<sup>nd</sup> Ave parking lot*



*Concrete pour near business – protected by plastic sheeting*



# Ongoing Construction

## Phase 2 Sidewalk Improvements



*Completed concrete pour near 2<sup>nd</sup> Ave parking lot*

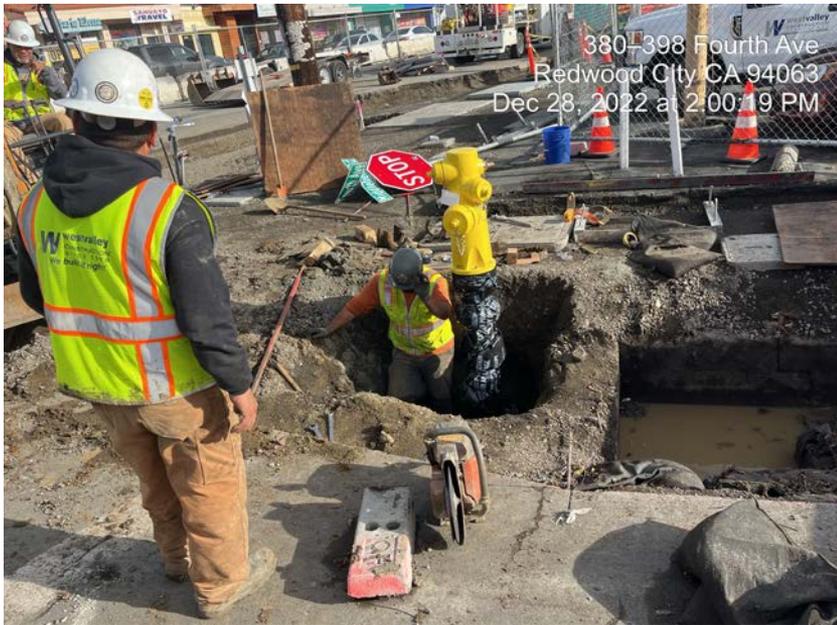


*Completed concrete pour*



# Ongoing Construction

## Surface Improvements



Fire Hydrant Replacement at 4<sup>th</sup> Ave



Streetlight installation



# Ongoing Construction

## Surface Improvements



Street Light Foundation with irrigation sleeve



Manhole Grade Adjustment performed by Level 3



# Ongoing Construction

## Cal Water waterline installation



*Cal Water waterline work*

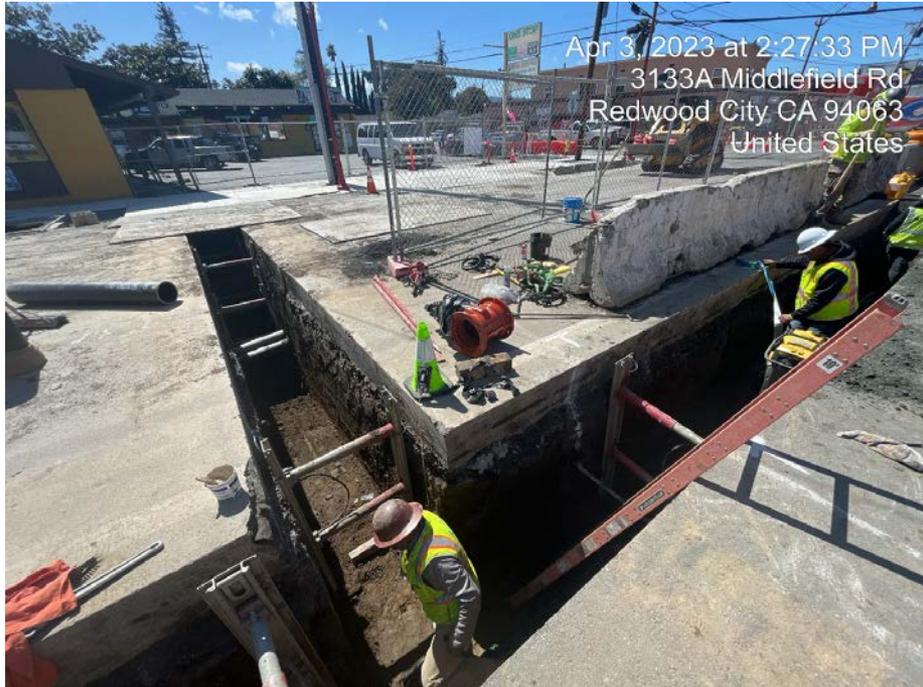


*Waterline wrapped prior to installation*



# Ongoing Construction

## Roadway Paving – Phase 2



*Cal Water trench for relocation of waterline*



*Cal Water pressure testing after installation  
(failed but subsequently passed)*



# Project Challenges

## Project Challenges

- Waiting for Cal Water and AT&T to complete work in Phase 1 & 5 respectively
- Working around community needs for access and limiting impacts
- Unknown conflicts in remaining phases
- UPRR input for railroad crossing

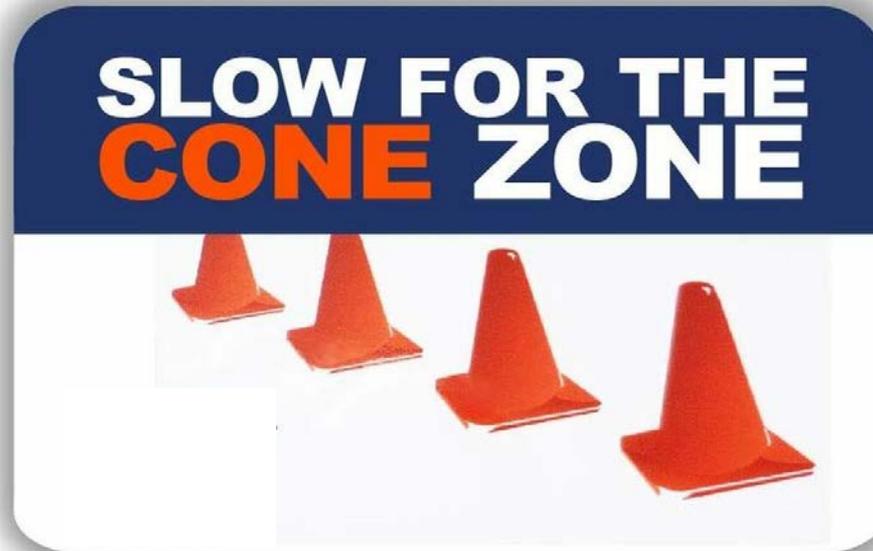
## Improvements

- Proactively working to identify biggest risk in remaining Phases (5>6>7>8)



# Slow for the Cone Zone

- Slow for the Cone Zone
- Be aware of the lane configuration changes and **obey STOP signs**
- Thank you for your patience as we work to complete the Project



# Stay up to date

- Up to date construction information can be found at [Middlefieldroad.org](http://Middlefieldroad.org)

- For questions or comments, contact us at:

Construction related information:

By phone at 650-363-4100 or by email at [DPW\\_MiddlefieldRdProject@smcgov.org](mailto:DPW_MiddlefieldRdProject@smcgov.org)

All other project related information:

By phone at 650-363-1800 or by email at [CommunityAffairs@smcgov.org](mailto:CommunityAffairs@smcgov.org)



# Questions?

