

Middlefield Road Improvement Project

*Department of Public Works
Status / Update*

October 27, 2022



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 Since March 2022

Sanitary Sewer Work

- **95% completed with Sanitary Sewer Work**
- **Remaining work includes crossing of UPRR railroad and SSMH near Health Clinic**

Storm Drain/Green Infrastructure Installation

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



Construction Updates Since March 2022

Joint Trench Work

- 73% completed
- Remaining areas include Phase 10 work, crossing of UPRR Railroad, and East Side of Middlefield Road (Phases 5, 6, 7, and 8)

Surface Improvements (Sidewalks and Curb & Gutter)

- 25% completed (Phases 4 and 3)
- Remaining work will occur in the following order (subject to change) 2 -> 1 -> 10 -> 5 -> 6 -> 7 -> 8



Construction Sequence

1. Underground work – Sanitary sewer pipe replacement, Green Infrastructure, and trenching for undergrounding of utilities –Ongoing
2. Lane reconfiguration, re-striped traffic lanes and parking stalls –Ongoing
3. Sidewalk Construction – Phase 3 & 4 completed, ongoing for Phase 1 & 2
4. Road Reconstruction work at half block segments at each time – Phase 3 & 4 completed
5. Install streetlights, trees, and traffic signals - Ongoing
6. Railroad crossing equipment installed by UPRR
7. PG&E and other utilities to pull wires through the underground conduits
8. Public WiFi Installation
9. 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



Access During Construction



Access During Construction



Access During Construction



Ongoing Construction

Sanitary Sewer Replacement



Ongoing Construction

Utility Joint Trench



Ongoing Construction

Utility Joint Trench



Ongoing Construction

Utility Joint Trench



Ongoing Construction

Green Infrastructure



Ongoing Construction

Green Infrastructure



Ongoing Construction

Sidewalk Construction



Ongoing Construction

Sidewalk Construction



Ongoing Construction

Sidewalk Improvements



Ongoing Construction

Sidewalk Improvements



Ongoing Construction

Surface Improvements



Street Light Foundation



Rapid Rectangular Flash
Beacon (RRFB) Foundation



Ongoing Construction

Surface Improvements



Ongoing Construction

Roadway Paving – Phase 3



Ongoing Construction

Roadway Paving – Phase 3



Project Challenges

Challenges

- Project duration is longer than originally anticipated
- Utility conflicts are numerous and require re-design of irrigation, street light foundations, conduits, and sewer pipes
- Upcoming rain will slow progress
- Coordination with utilities and agencies (PG&E, UPRR, AT&T, etc.)

Project Approach

- DPW Project Team/GRC meeting on a daily basis to address issues as they come up
- County Leadership support and commitment to complete Project as fast as possible
- Additional staff added to project from DPW/AECOM side
- OCA outreach to business and property owners with current updates on anticipated work, potential detours, etc.



Project Schedule

Middlefield Road Improvement Project Schedule - Updated as of October 20, 2022

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

* 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 April, 2023 due to unforeseen circumstances related to utility conflicts, a work shut down due to COVID-19, and weather. Project construction was delayed due to utility conflicts with PG&E, Cal Water and telecoms, while portions of the sewer design were modified to minimize discovered conflicts without jeopardizing the sewer system design. Several abandoned utility lines, man made objects and other obstructions were found during excavation of sanitary sewer work, resulting in extra time needed for construction. All known conflicts associated with the sewer, joint trench, and green infrastructure pipe work have been resolved at this time.

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.

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

Information below as of September 25, 2022 (Last Progress Payment #16)
 Notice to Proceed: 5/17/21
 Working Days (WD): 340
 Time Extensions: 51 WD
 Percent of Contract Time (WD) Elapsed: 78.21%
 Contract Budget : Low Bid Amount: \$19,131,379
 Not To Exceed Amount: \$21,044,550
 Amount Earned: \$11,779,590.42
 Percent of Contract Complete: 57.56%



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

- Weekly project progress can be found at 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

All other project related information:

By phone at 650-363-1800 or by email at CommunityAffairs@smcgov.org



Questions?



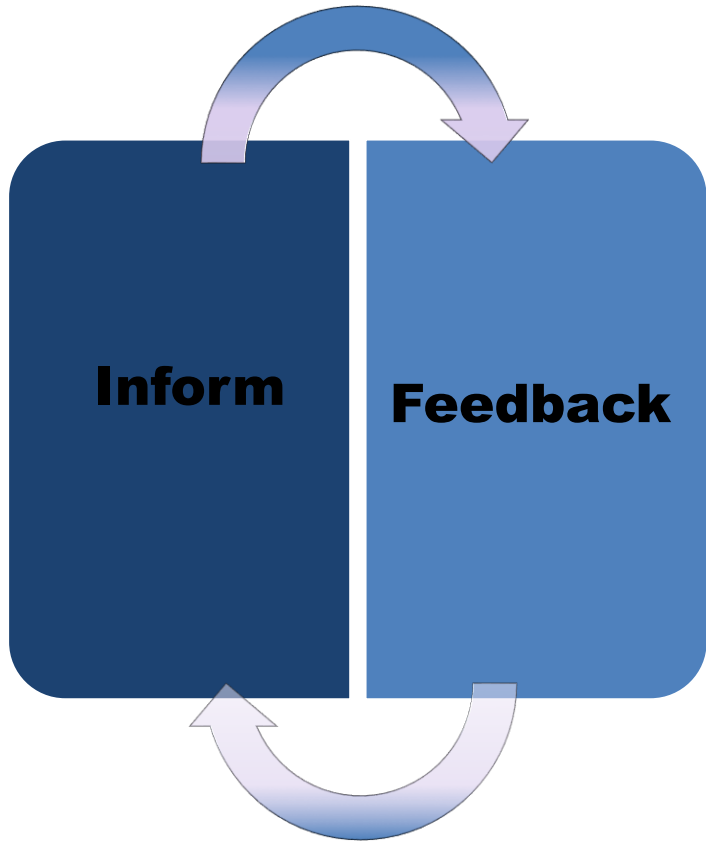
Middlefield Road Improvement Project

*Office of Community Affairs
Update*

October 27, 2022

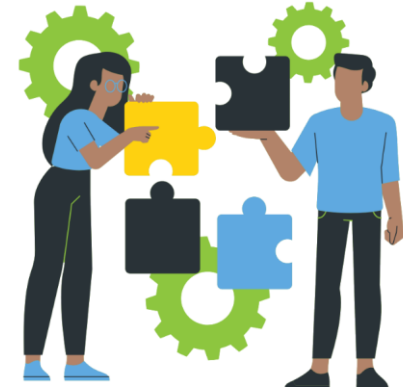


OCA Progress Updates



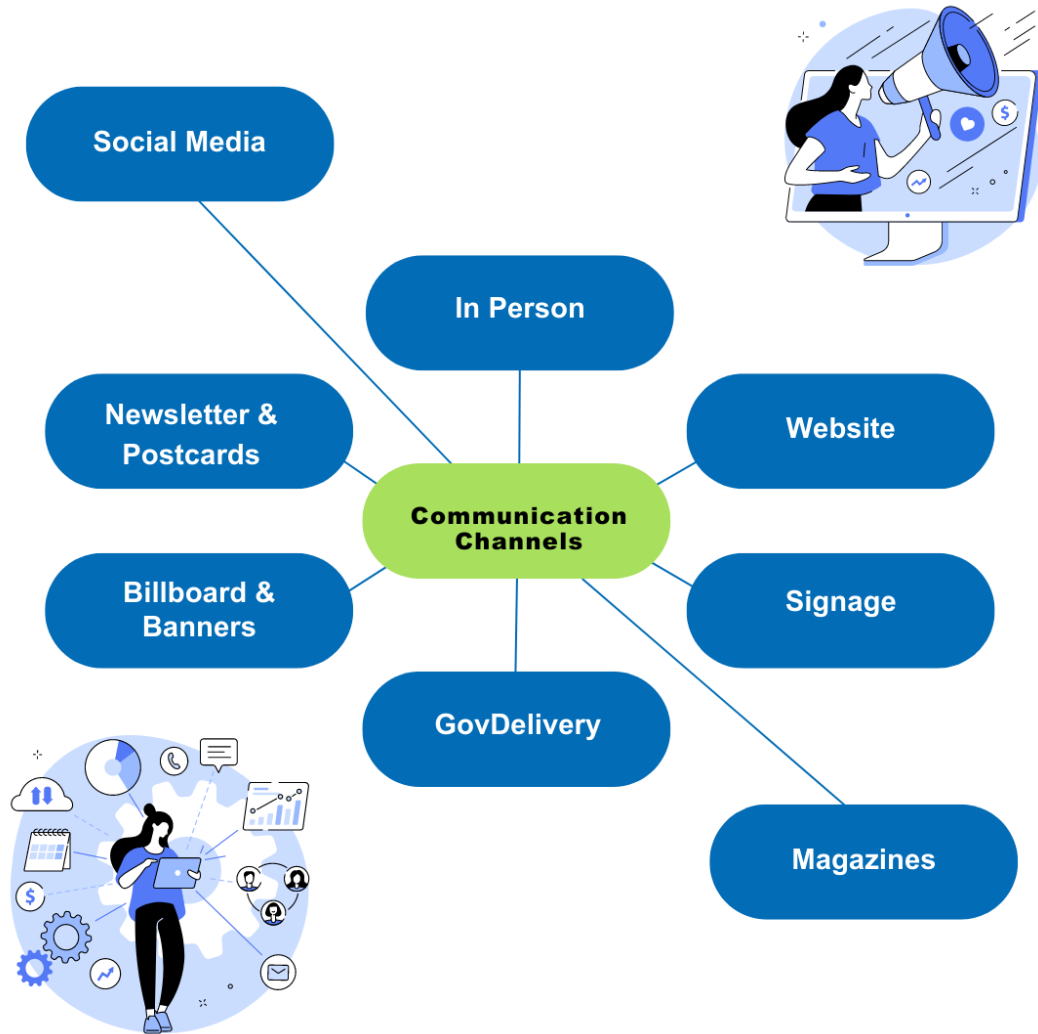
Mitigation and Engagement Strategies:

- I. Bidirectional communication with the community
- II. Strategic proactive problem solving
- III. Traffic mobility: Auto and pedestrian
- IV. Construction updates and project development



OCA Progress Updates

Consistent project-related communications using a variety of communication channels including digital & print



Community & Business Outreach (Apr- Oct)



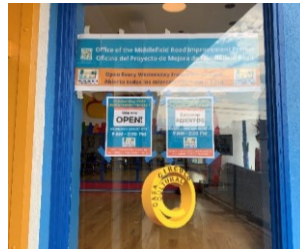
- a. Business analyst on-site developing relationships and talking to businesses
- b. Coordinating across teams, internally and externally, to facilitate accessibility for pedestrians, businesses and public in general
- c. MRIP satellite office working and open to the public
- d. Presence in local events
- e. Canvassing
- f. NFO Covid 19 Grant outreach



One to One meetings



OCA at NFO Festival



MRIP office at Casa Circulo



Canvassing



NFO Grant Outreach



Community & Business Outreach (Apr- Oct)



Postcard: NFO community-pedestrian safety & construction updates

Bus ads: 300 busses countywide



Magazine ad: Peninsula and East Bay, 20k printed copies



Newsletter: 4 editions. Reaching 6K addresses- NFO community



Banners: located along all the construction zone



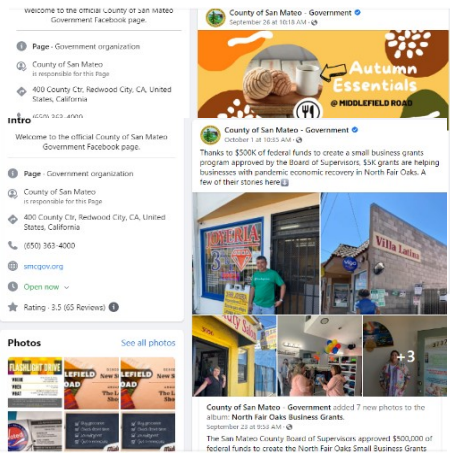
Billboard: 5th Ave and Middlefield Road- SHOP LOCAL



Community & Business Outreach (Apr- Oct)

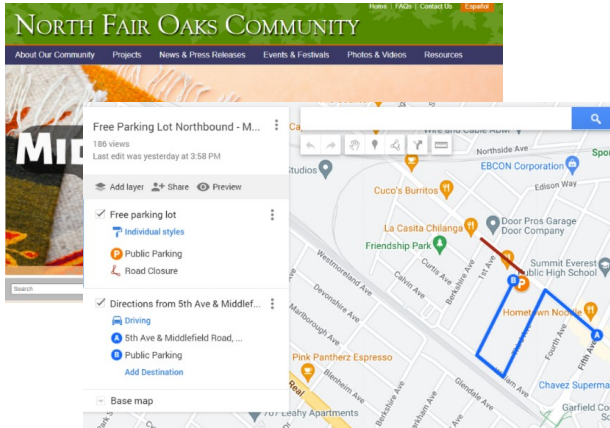


Online Presence



Social Media

- Key tool to incentivize the local economy and advertise small business
- Ongoing campaign updated weekly
- Businesses has shown special interest in these campaigns: they show the posts and thank the team when meeting them



Webpage & GovDelivery

- Prompt and relevant construction updates for the public
- Distribution of the Dynamic parking lot directions map

Digital Banners

Attract internet users to the website by linking to the website of the advertiser



Community & Business Outreach (Apr- Oct)

Main feedback from businesses includes:

1. Parking concerns

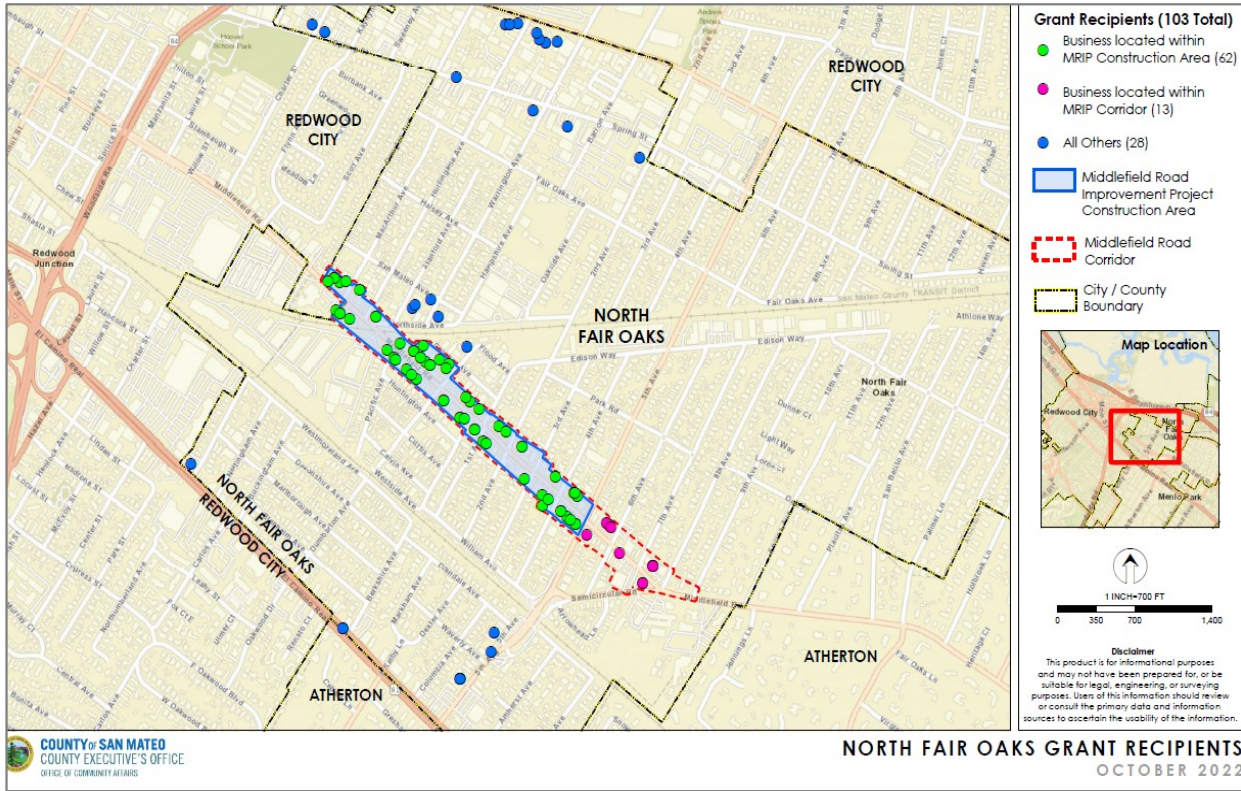
2. Decrease on sales

3. Fear of displacement

4. Duration & pace of the project

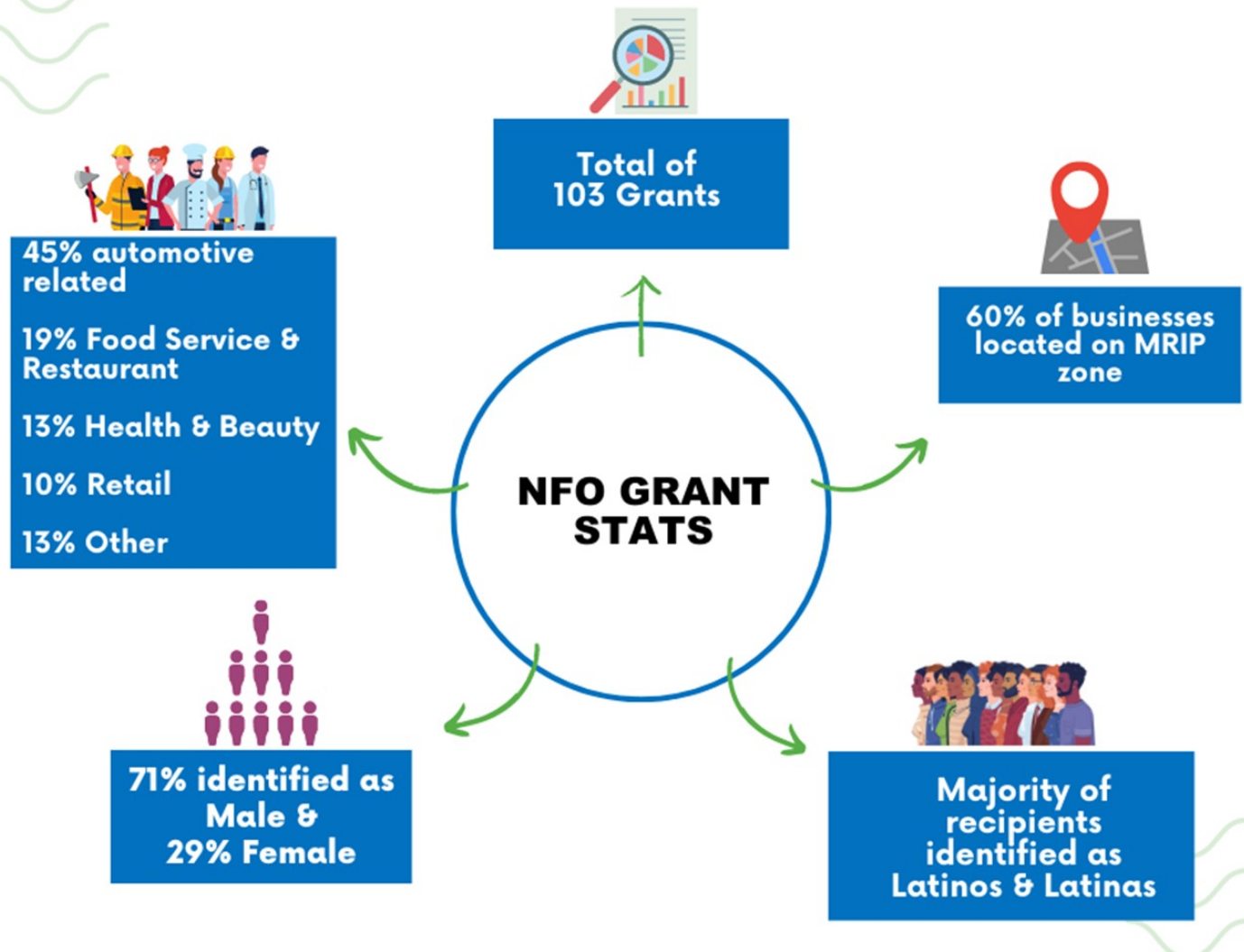


NFO Covid 19 Grant



- 103 Grants distributed
- Value of individual grant = \$5000
- OCA reached out to businesses in person, online and by phone
- Close follow up with applicants and potential applicants
- Assistance and forms were provided in the applicant's language of preference

NFO Covid 19 Grant

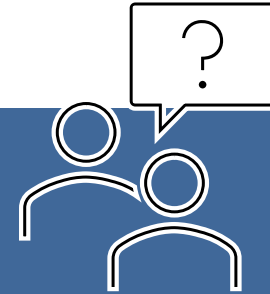


Community & Business Engagement

- Newsletter: Issue 5 & 6 coming up within 3-4 months
- Website improvements: NFO closures-detours map
- Bus Shelter Advertisements
- Postcard to all NFO residents



Questions?



Stay informed about construction on Middlefield Road, visit

www.MiddlefieldRoad.org

for recent updates.



COUNTY OF SAN MATEO
OFFICE OF COMMUNITY AFFAIRS

COUNTY OF SAN MATEO

