



**Foothill Trunk Line Unit 3 Project and Mainline Improvements
Council District 7 Briefing
December 14, 2022**

Trunk Line Project Manager: Nathan Sheagley

Mainline Project Manager: Lyndon Tat

Foothill Trunk Line and Mainline Improvements

Presentation Outline

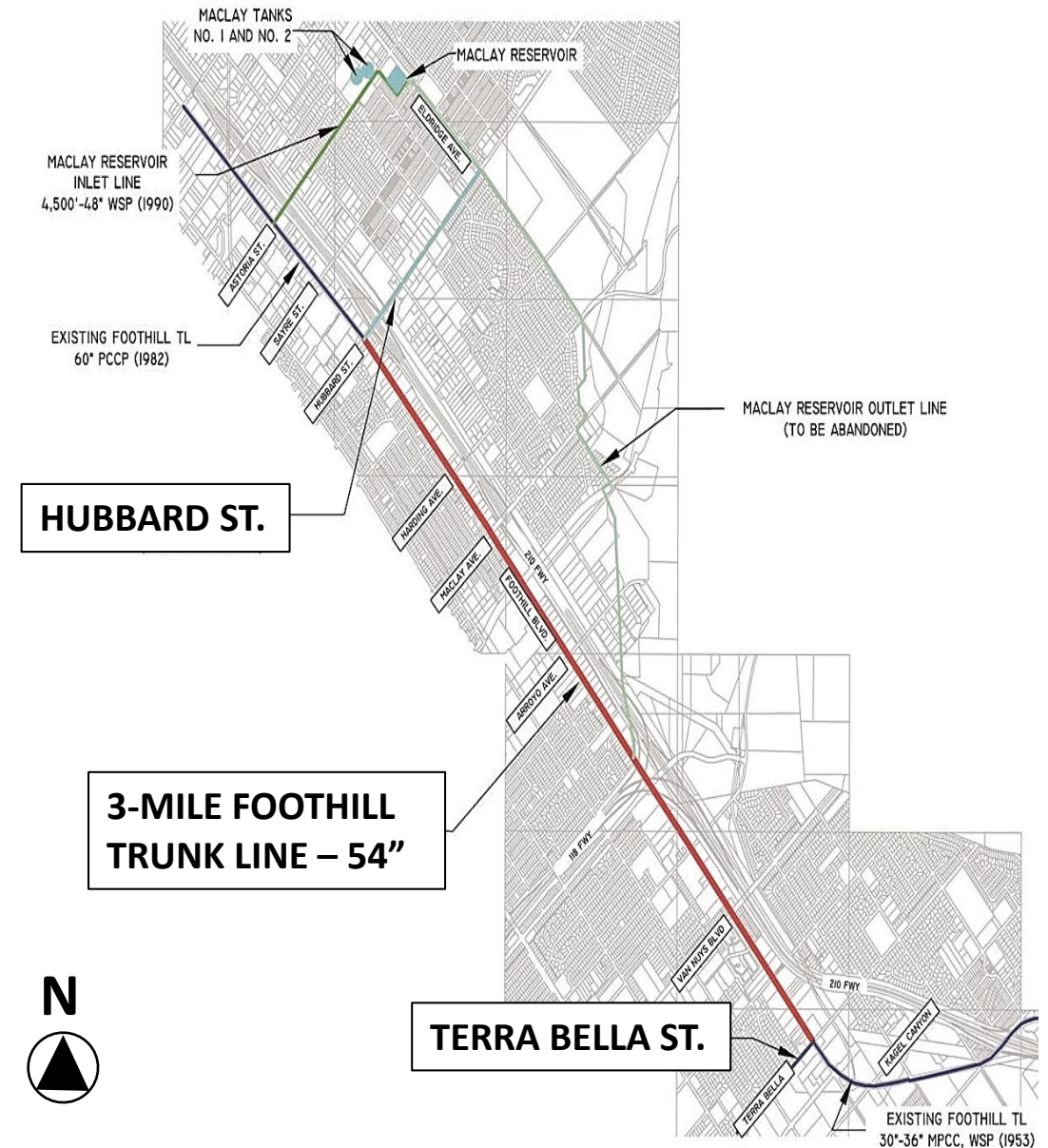
1. TL Project Objectives
2. TL Project Description
3. TL Current Schedule
4. TL Current Status
5. TL Traffic Control WA 8
6. ML Improvement Description
7. ML Current Schedule
8. Overall Area Schedule
9. Questions



Foothill Trunk Line Project

Project Objectives

- Update aging infrastructure
- Increase service reliability
- Serve future demands



Foothill Trunk Line Project

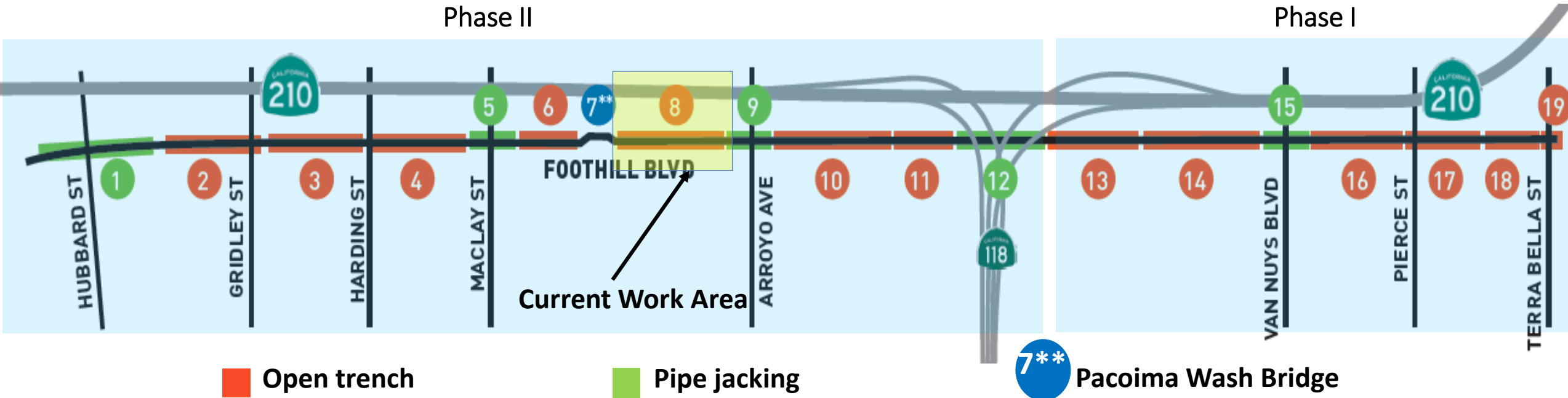
Trunk Line Project Description

- Install 3 miles of 54-inch diameter pipe (Approximately 1 mile welded steel pipe and 2 miles Earthquake Resistant Ductile Iron pipe)
- Five pipe jacking locations
- Crossing at Pacoima Wash



Phase II

Phase I



Open trench

Pipe jacking

7** Pacoima Wash Bridge

Foothill Trunk Line Project

Trunk Line Current Project Schedule

Work Hours

Mon-Fri: 7am to 6pm
Occasionally Saturday

Current Work Area #8

Start Date: Dec. 2021

End Date: Jan. 2023

10 Completed Work Areas

2, 3, 4, 10, 11, 13, 14, 16,
17, & 18

Work Area	Start	Finish
Trenching Construction (2016A - 2024)		
8	Dec. 4, 2021	Jan. 7, 2023*
19	Fall 2023	March 2024
Microtunneling and Pacoima Wash Crossing (2024 - 2029)		
15	TBD	10 Month Duration
12	TBD	10 Month Duration
6** & 7	TBD	12 Month Duration
9	TBD	6 Month Duration
5	TBD	8 Month Duration
1	TBD	14 Month Duration

*Weather Permitting

**Open Trench

Foothill Trunk Line Project

Challenges Impacting Schedule

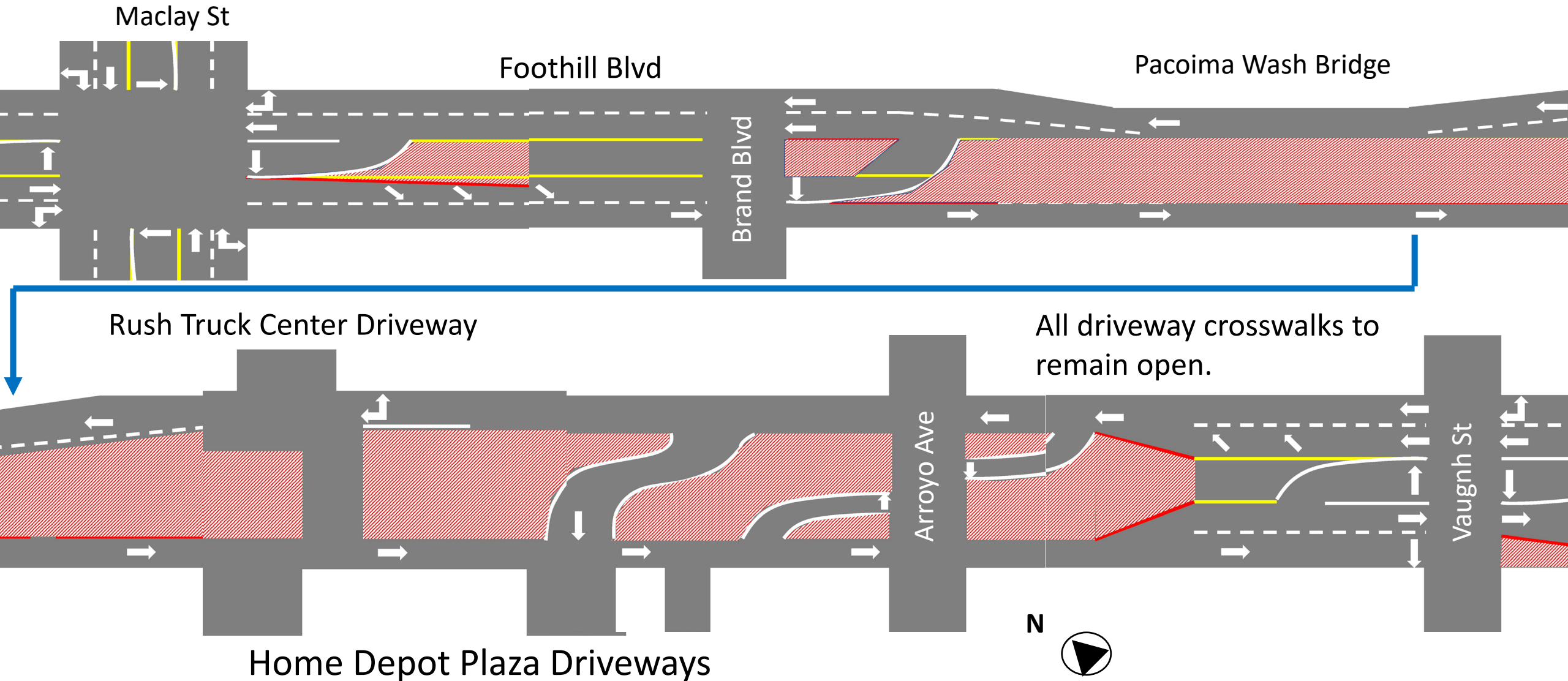
Soil Conditions

- As shown in the picture, large boulders have been encountered during excavation.
- These boulders significantly slow down excavation and shoring installation.



Foothill Trunk Line Project

Work Area 8 Traffic Control Phase 2 – 9/22 to 1/23



Foothill Mainline Improvements

Mainline Work Description

Install ~4000 feet of 12-inch to 20-inch earthquake-resilient mainline pipe in 5 work areas. Reconnection of water service, fire hydrant, and TL:

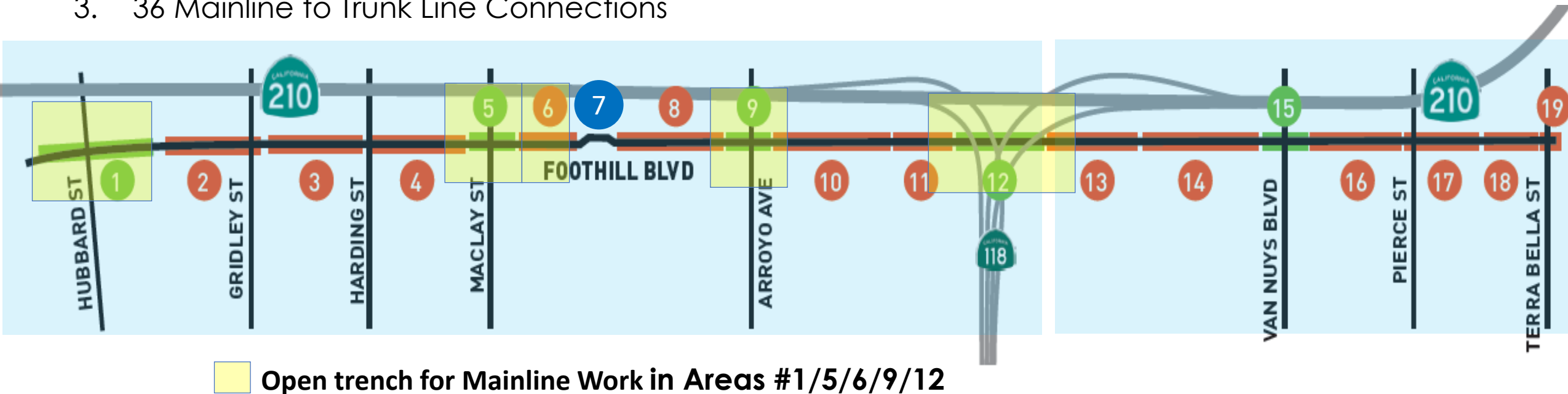
1. 57 Fire Hydrant
2. 180 Water Service
3. 36 Mainline to Trunk Line Connections

Work Hours

Mon-Fri: 9am to 3:30pm; limited Saturdays

Traffic Control

- Maximum of traffic control is 810 feet
- Minimally impactful work (no-K-rail)
- Traffic Control is set-up and removed daily
- Limited daily detour



Foothill Mainline Improvements

Mainline Installation December 2022 to August 2023

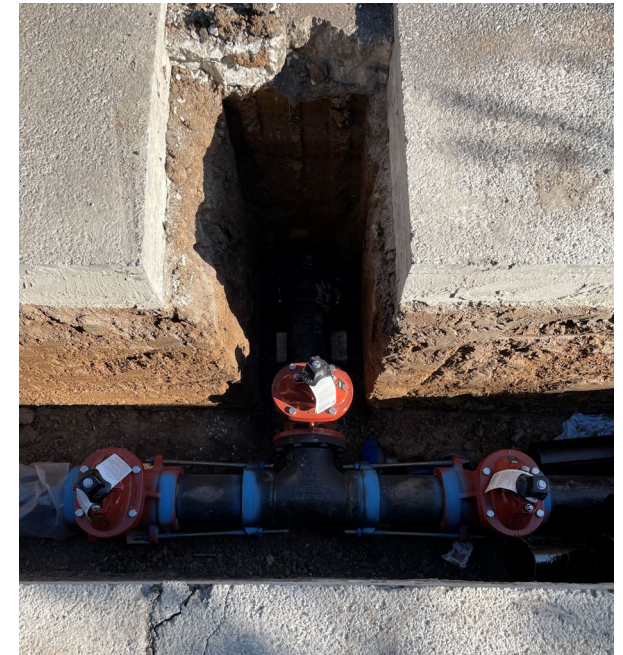


Daily mainline traffic setup/removal

Water Service & Fire Hydrant Reconnections Reconnection will follow TL activation



Fire hydrant reconnection



Water service retap

Foothill Schedule

Work Area	Start	Finish
Trunk Line Trenching Construction (2016A - 2024)		
8	Dec. 4, 2021	Jan. 7, 2023*
19	Fall 2023	March 2024
Current Mainline Work		
1,5,6,9,12	Dec. 2022	Aug. 2023
Trunk Line Microtunneling and Pacoima Wash Crossing (2024 - 2029)		
15	TBD	10 Month Duration
12	TBD	10 Month Duration
6** & 7	TBD	12 Month Duration
9	TBD	6 Month Duration
5	TBD	8 Month Duration
1	TBD	14 Month Duration
Future Mainline Work (2029 - 2031)		
Connections, FH, Fire Combos, and ML Work		2.5 Years

***Weather Permitting**

****Open Trench**

Questions

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