



Sidewalk Repair Program

2022-2023 Plan Update & Phase 7 Scope

Transportation Commission
January 26, 2023

Meeting Agenda

- Sidewalk Program History
 - Timeline of phases & important Commission approvals
 - Critical repair definitions
- 2022-2023 Plan Update for “Critical Repairs”
 - Phase 5 & Phase 6 repairs
 - Repairs via current paving projects
 - Remaining locations & budget
- Phase 7 Scope
 - Repair locations & schedule
 - “Holistic” repairs at 1501 Washington & 602 Santa Fe
 - Curb & gutter passthrough bulbouts at 405 Kains & 805 San Carlos

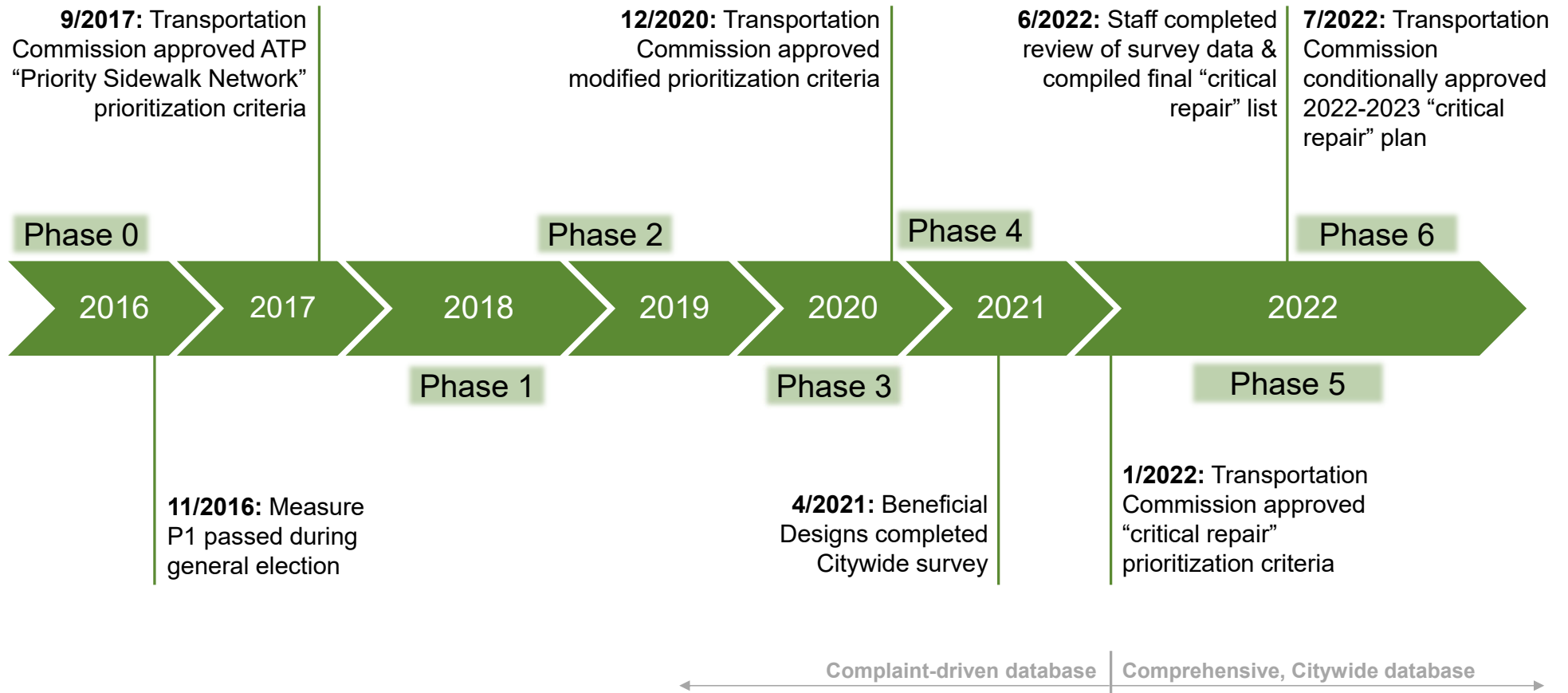


Sidewalk Repair Program

Part I

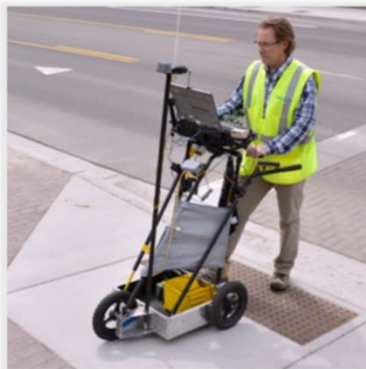
Sidewalk Program History

Sidewalk Repair Program History



Comprehensive Citywide Survey

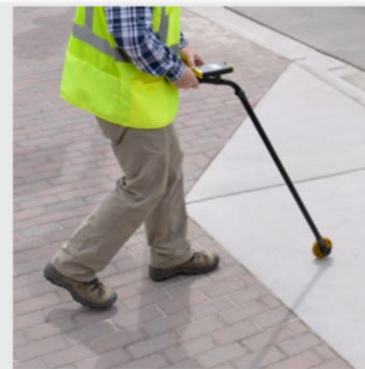
- Beneficial Designs contracted for sidewalk survey
 - Specialized in ADA compliance for PROW
- Results used to build comprehensive Citywide GIS database



assessment **cart**



measure **height**



measure **length**



Critical Repair Locations

- Beneficial Designs generated unique features for repair prioritization
 - No Best Path of Travel (NoBPOT)
 - Captures ≥ 2 deficiencies at single location
 - **Critical NoBPOT**: at least one ≥ 2 " vertical discontinuity
 - Non-planar Pedestrian Access Route (NoPAR)
 - Mostly tree upheaval sites
 - **Critical NoPAR**: > 2 " offset and $> 8.33\%$ grade
- Field QA/QC check of ≥ 3 " vertical discontinuity features (June 2022)
 - 5 re-classified as **Critical NoBPOT** per field observation



Sidewalk Repair Program

Part II

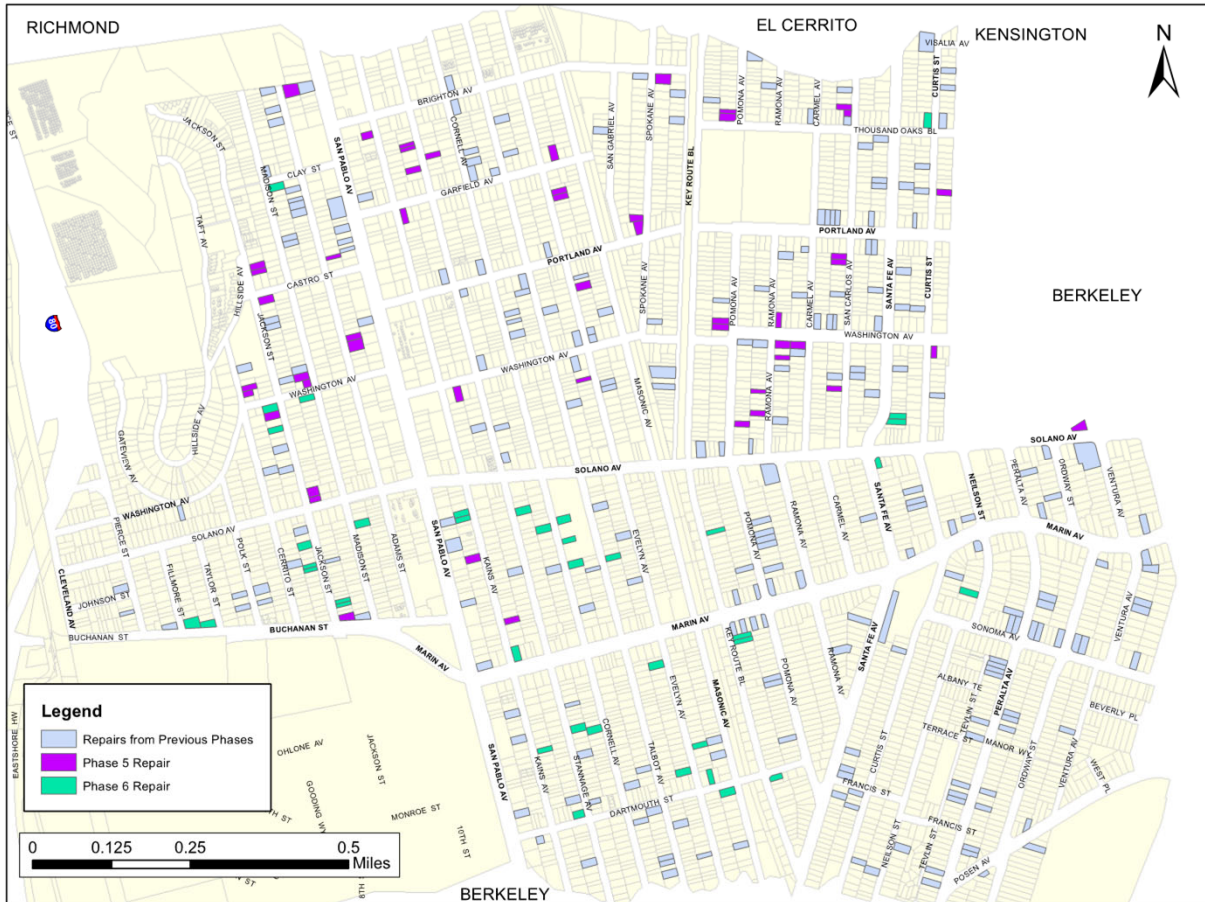
2022-2023 Plan Update

2022-2023 Critical Repairs Plan



- **Phase 5:** most severe locations
- **Phase 6:** Zone 1 & 5
- **Phase 7:** Zone 2 & 3
- **Phase 8:** Zone 4

Phase 5 & Phase 6 Repair Locations



- **Phase 5:** completed August 2022
- **Phase 6:** completed November 2022
- Total of 82 locations (75 critical repairs)

Zone 1 & Zone 5 Critical Repairs – Remaining

- **1134 Santa Fe (includes Key Route frontage)**
 - Repair under paving work (streets currently not paving candidates)
 - To be considered in Phase 8 using funds from outside sidewalk program
- **507 & 509 Adams**
 - To be impacted & repaired during Albany Bowl redevelopment
- **752 & 1111 San Pablo**
 - Caltrans to repair (upcoming ADA improvement project along corridor)

Completed Critical Repairs – Outside Program

- **1157 Brighton:** Zone 2 sidewalk shaving
- **843/847 Washington & 706 Cerrito:** 2022 Sewer Rehabilitation Project
- **545 Pierce (x2):** PG&E's emergency work
- **1115 Dartmouth (x2) & 1122 Kains (x2):** 2022 Pavement Rehab Project
- **1230 Marin (Evelyn frontage):** Marin Avenue (Phase 1) Pavement Rehab
- **917 Pomona & 945 Pomona:** February 2022 via settlement item
- These 12 repairs did not utilize funds from the sidewalk repair program

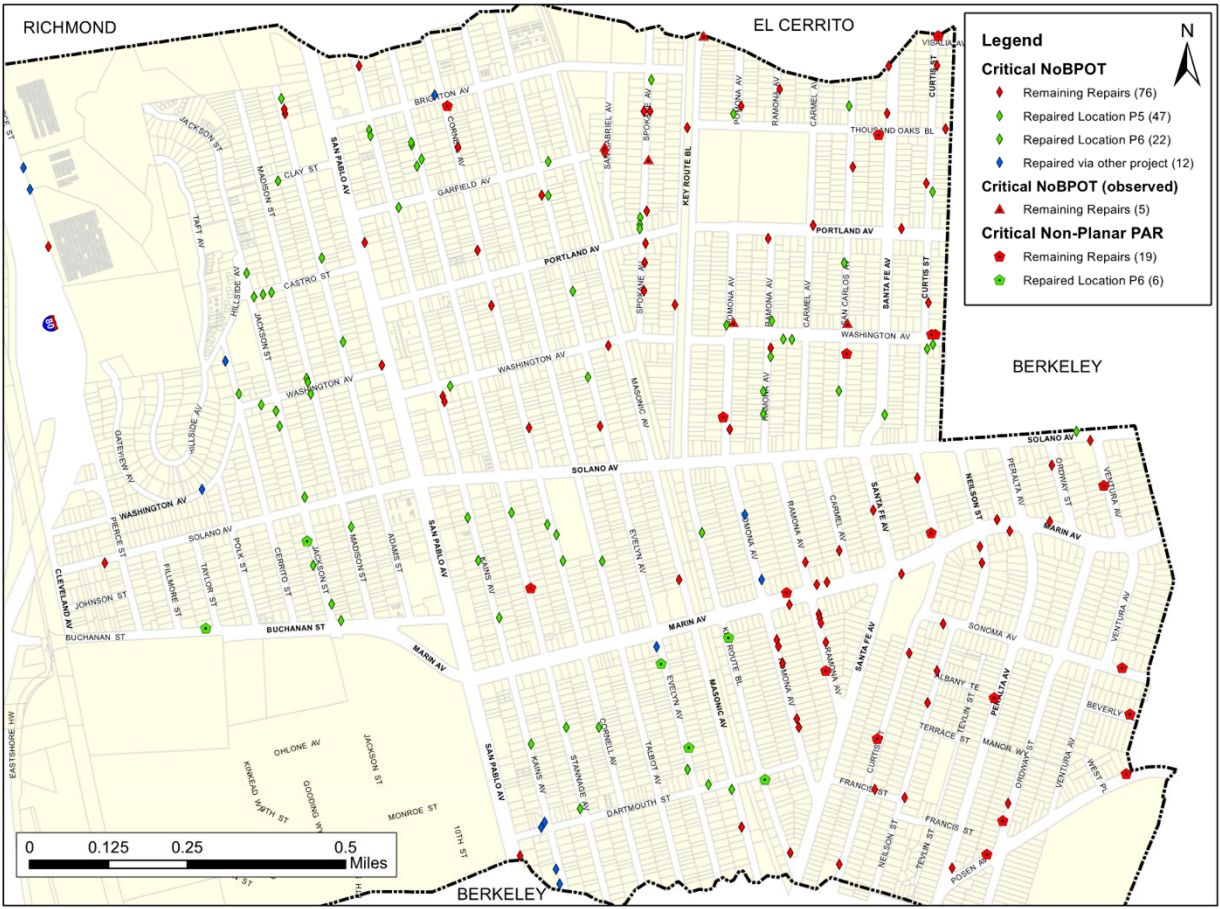
Critical Repair Locations Update

Category	No. of Locations	No. Repaired ⁽¹⁾	No. Remaining
Critical NoBPOT	157	81	76
Critical NoBPOT (field observed)	5	0	5
Critical NoPAR	25	6	19
TOTAL	187 ⁽²⁾	87	100 ⁽²⁾

⁽¹⁾ Includes repairs outside sidewalk repair program

⁽²⁾ Five locations outside City projects' scope

Critical Repair Locations Update



- Note:** # of locations ≠ # of property repairs
- Multiple issues may be at single property
 - One issue may extend two properties

Upcoming Critical Repairs – Marin Phase 2

- The following locations planned to be repaired during the Marin Avenue (Phase 2) Rehabilitation Project:
 - 1324 Marin
 - 1329 Marin
 - 1351 Marin
 - 1353/1355 Marin
 - 1451 Marin (on Curtis)
 - 1505/1507 Marin
 - 1506 Marin
 - 1555 Marin
- These repairs will utilize funds from the paving program
- These repairs would otherwise be completed during Phase 8

Budget Update (as of 12/31/2022)

BUDGET ANALYSIS	
End of FY21-22 fund balance	\$ 662,000
Expected funding FY22-23	\$ 221,000
Expected funding FY23-24	\$ 228,000
FUNDING SUBTOTAL	\$ 1,111,000
Phase 5 (FY22-23)	\$ 208,000 *
Phase 6 (FY22-23)	\$ 145,000 *
Phase 7 (estimate)	\$ 229,000 *
Phase 8 (estimate)	\$ 226,000
COSTS SUBTOTAL	\$ 808,000
BALANCE	\$ 303,000



* Only showing costs for sidewalk program funding; certain project costs, such as curb ramp upgrades, funded by other programs.



Sidewalk Repair Program

Part III

Phase 7 Scope

Phase 7 Repair Locations

- Repair Zone 2 & Zone 3 critical locations
- Repair postponed Phase 5 & Phase 6 critical locations
- Repair recent special access needs' issues

Category	Number of Locations
Critical NoBPOT	35
Critical NoBPOT (observed)	5
Critical NoPAR	8
Special access needs	3
TOTAL	51

Phase 7 Repair Locations – Exclusions

- **537 Cornell & 625 Evelyn:** unintentionally left on critical repair map at July 2022 presentation (removed per June 2022 data review)
- **624/626 Key Route (island):** to be repaired during Key Route paving
- **807 Ramona:** to be repaired Spring 2023 during Zone 3 sidewalk shaving
- **611 San Pablo:** Caltrans to repair (upcoming ADA improvement project along corridor)

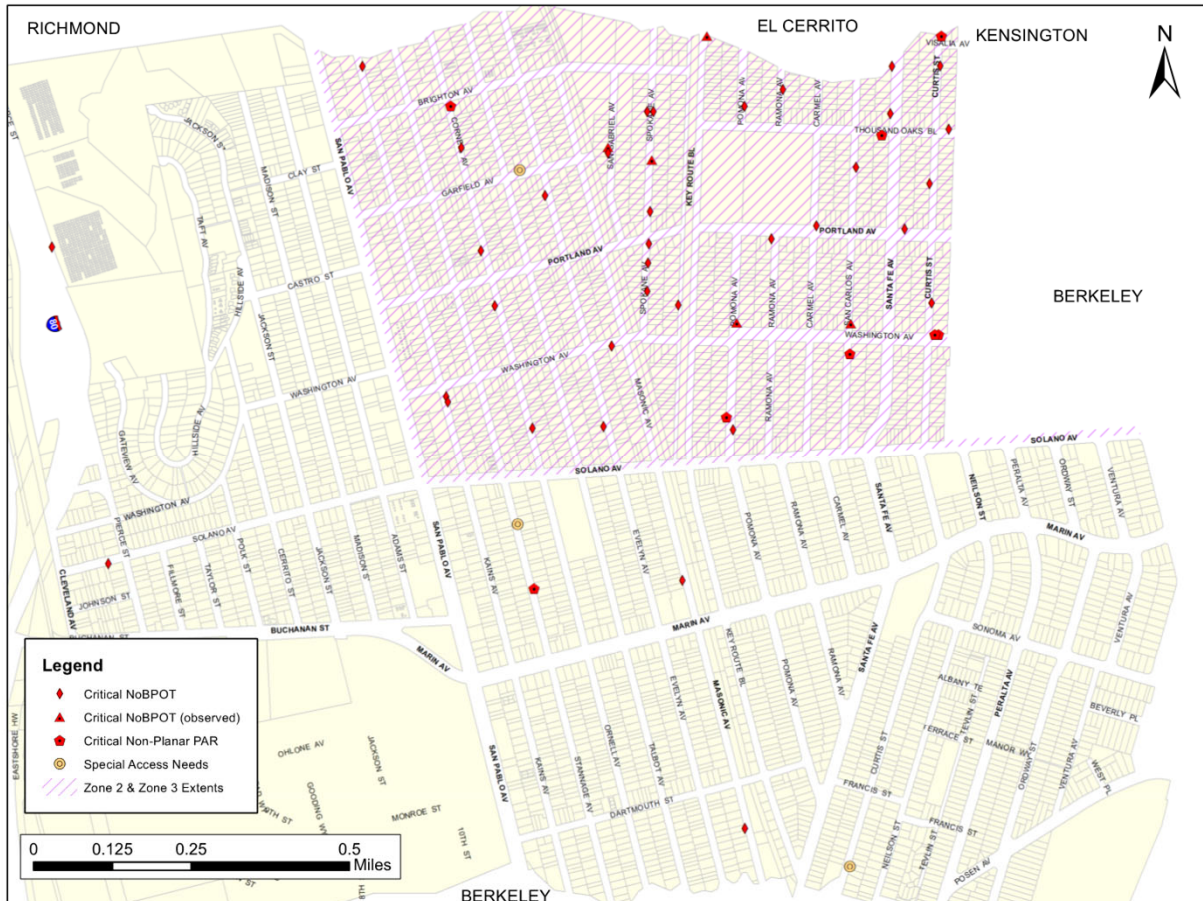
Phase 7 Repair Locations – List

- 1200 Brighton
(on Cornell)
- 523 Cornell
- 642/646 Cornell
- 706 Cornell
- 825/827 Cornell
- 505/507 Curtis
- 525 Curtis
(on Thousand Oaks)
- 622 Curtis
- 729 Curtis
- 1135 Curtis*
- 614 Evelyn
- 840 Evelyn
- 1225 Garfield*
- 405 Kains
- 801-807 Kains (x2)
- 501 Key Route
- 734 Key Route
- 948 Masonic**
- 1122 Masonic**
- 555 Pierce**
- 527 Pomona
- 737 Pomona
- 832 Pomona
- 839 Pomona
- 1266 Portland
(on Spokane)
- 1320 Portland
(on Ramona)
- 1427 Portland
(on Carmel)
- 1455 Portland
- 507 Ramona
- 615 San Carlos
- 735-737 San Carlos
- 805 San Carlos
- 632 San Gabriel
- 636 San Gabriel
- 506 Santa Fe
- 602 Santa Fe
(on Thousand Oaks)
- 716/730 Solano**
- 616/620 Spokane
- 617 Spokane
- 643 Spokane
- 667 Spokane
- 707 Spokane
- 719 Spokane
- 923/927 Stannage*
- 995 Stannage**
- 1451 Thousand Oaks
(on Santa Fe)
- 1501 Visalia
(on Curtis)
- 1248 Washington
- 1501 Washington (x2)

* Special access needs complaint

** Postponed Phase 5 or Phase 6 location

Phase 7 Repair Locations – Map



- Mostly critical repairs within Zone 2 and Zone 3
- Critical repairs outside of zone extents are postponed from Phase 5 or Phase 6

Phase 7 – “Holistic” Repair Locations

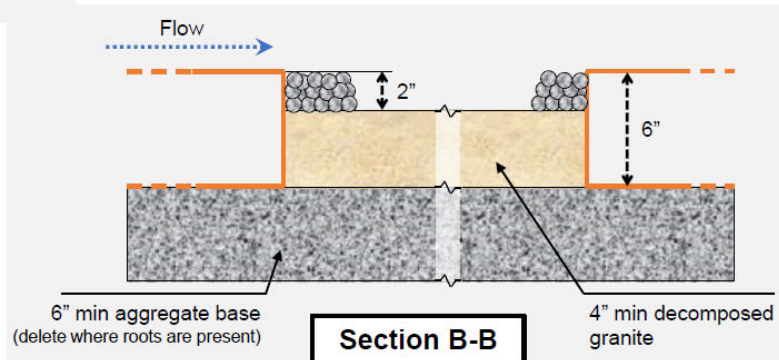
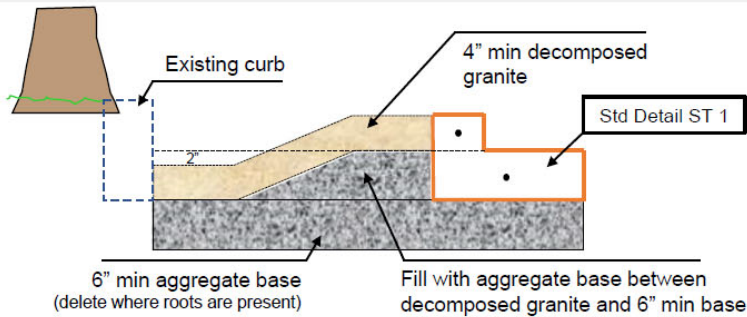
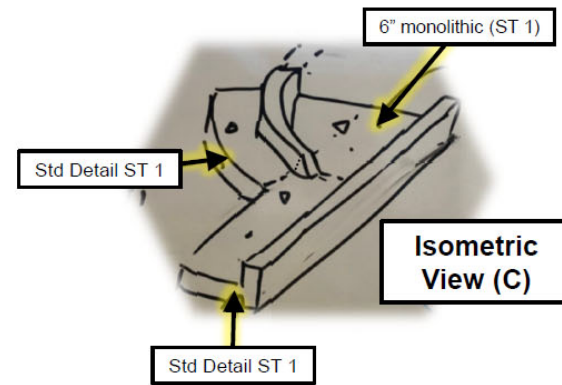
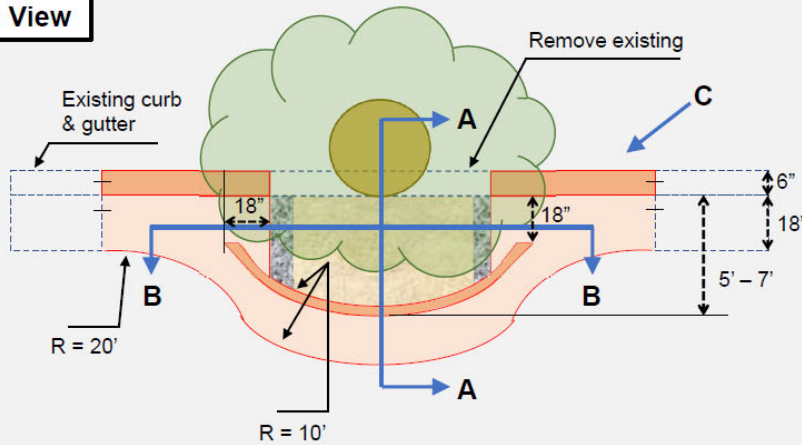
- Locations where street trees caused damage beyond sidewalk → coordinate repair of hazards while contractor is mobilized
 - Funding from outside sidewalk program to be leveraged
- Public comments opposed previous tree removals within neighborhood at several PROS Commission meetings and an appeal to Council
- Site-specific designs: 1501 Washington & 602 Santa Fe
 - Bring to Commission in February 2023
- Pilot “Curb & Gutter Passthrough Bulbout”: 405 Kains & 805 San Carlos

Curb & Gutter Passthrough Bulbout

- Staff proposing a pilot design where...
 1. Street tree has damaged curb, gutter, and potentially roadway; and
 2. Curb cannot be repaired without “bulbing” curb or removing tree; and
 3. “Flat” street where “bulbing” curb may complicate drainage.
- Passthrough bulbout would...
 - Allow drainage to follow desired flow direction
 - Create space for roots to grow without damaging roadway or curb
- Passthrough bulbout requires...
 - Dedicated PROW space within the roadway
 - Red curb to prevent parking adjacent to installation

Curb & Gutter Passthrough Bulbout

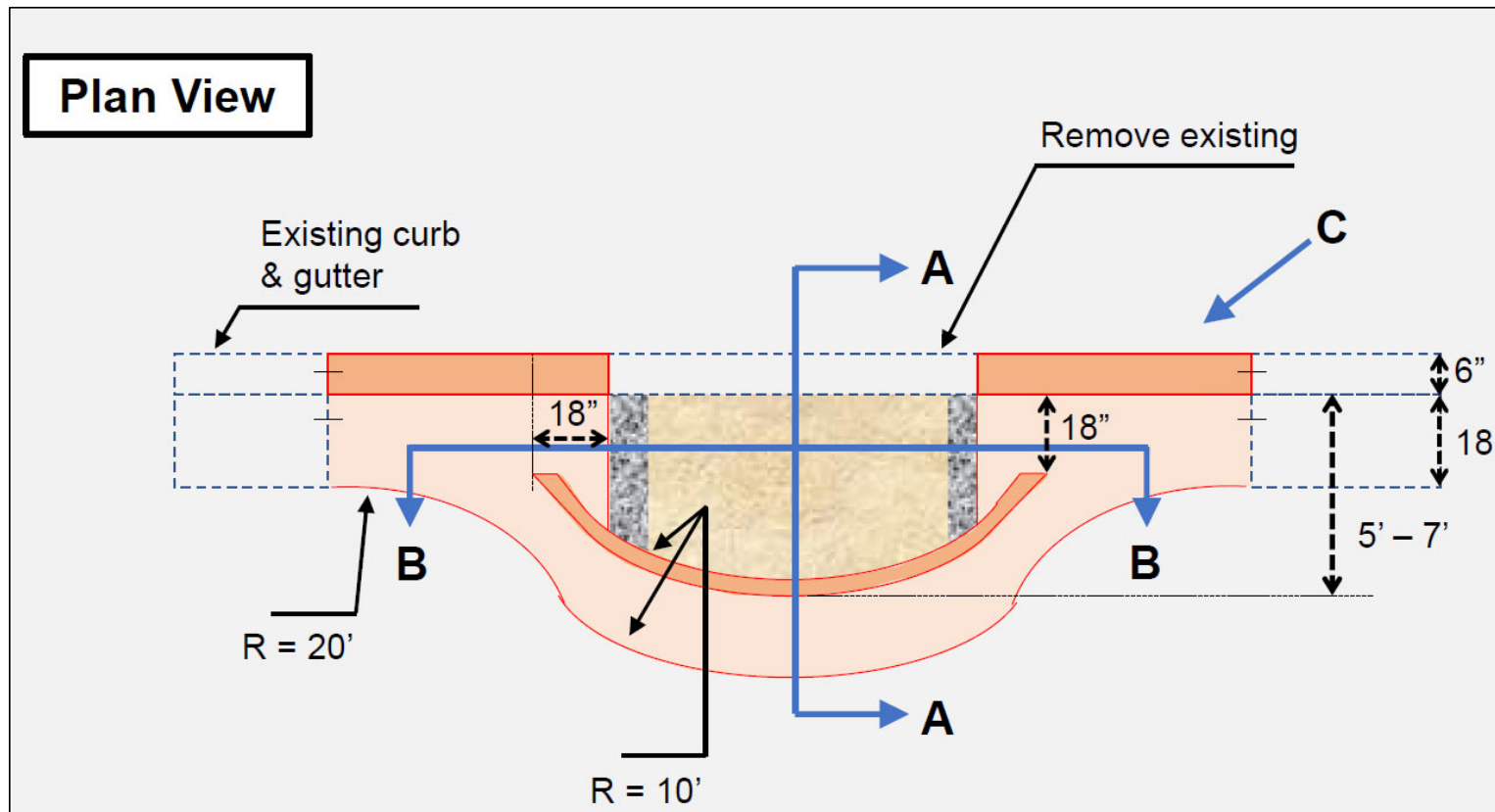
Plan View



DRAFT

NOT TO SCALE

Curb & Gutter Passthrough Bulbout



405 Kains Avenue

A. “Holistic” approach (keep tree intact)

- Repair sidewalk with ADA-compliant slopes
- Install curb & gutter passthrough bulbout (~16 lf red curb)

B. “Reset” approach (remove tree)

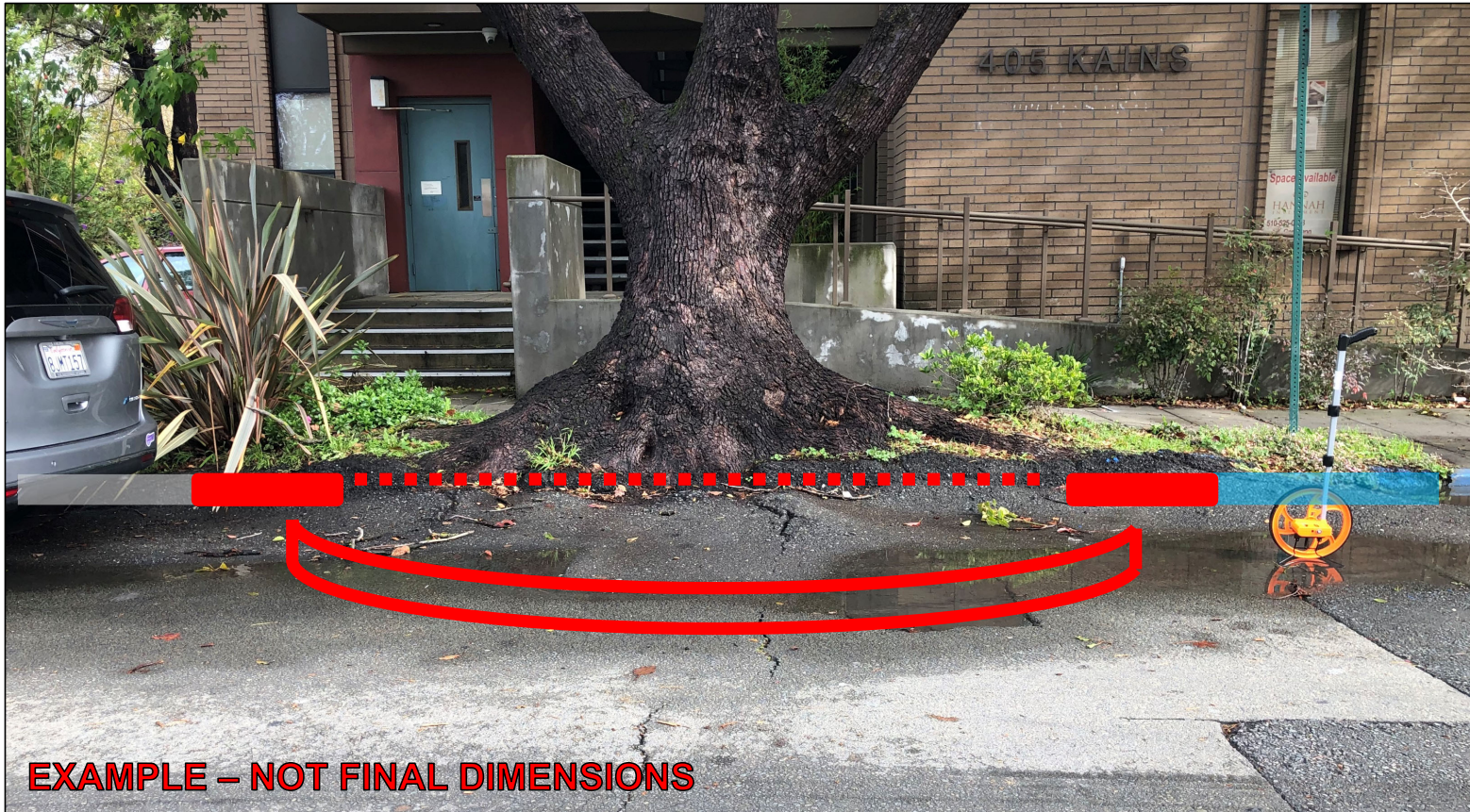
- Remove tree and “reset” elevations – **requires PROS Commission approval**
- Repair sidewalk, curb, gutter, and roadway per City standards

C. Sidewalk repair only (keep tree intact)

- Repair sidewalk with ADA-compliant slope
- Leave curb, gutter, and roadway issues until...
 - Incident occurs, fast-tracking a repair; or
 - Paving design (street is not currently being considered for rehab)

❖ **Staff recommendation:** **(1) Option A**

405 Kains Avenue



EXAMPLE - NOT FINAL DIMENSIONS

805 San Carlos Avenue

A. “Holistic” approach (keep tree intact)

- Repair sidewalk
- Install curb & gutter passthrough bulbout (up to ~30 lf red curb)

B. Removal approach (remove tree)

- Remove tree – **requires PROS Commission approval**
- Repair sidewalk, curb, gutter, and roadway per City standards

C. Sidewalk repair only (keep tree intact)

- Repair sidewalk with ADA-compliant slope
- Leave curb, gutter, and roadway issues until...
 - Incident occurs, fast-tracking a repair; or
 - Paving design (street is not currently being considered for rehab)

❖ **Staff recommendation:** **(1) Option A**

805 San Carlos Avenue



805 San Carlos Avenue

~ 30 lf red curb

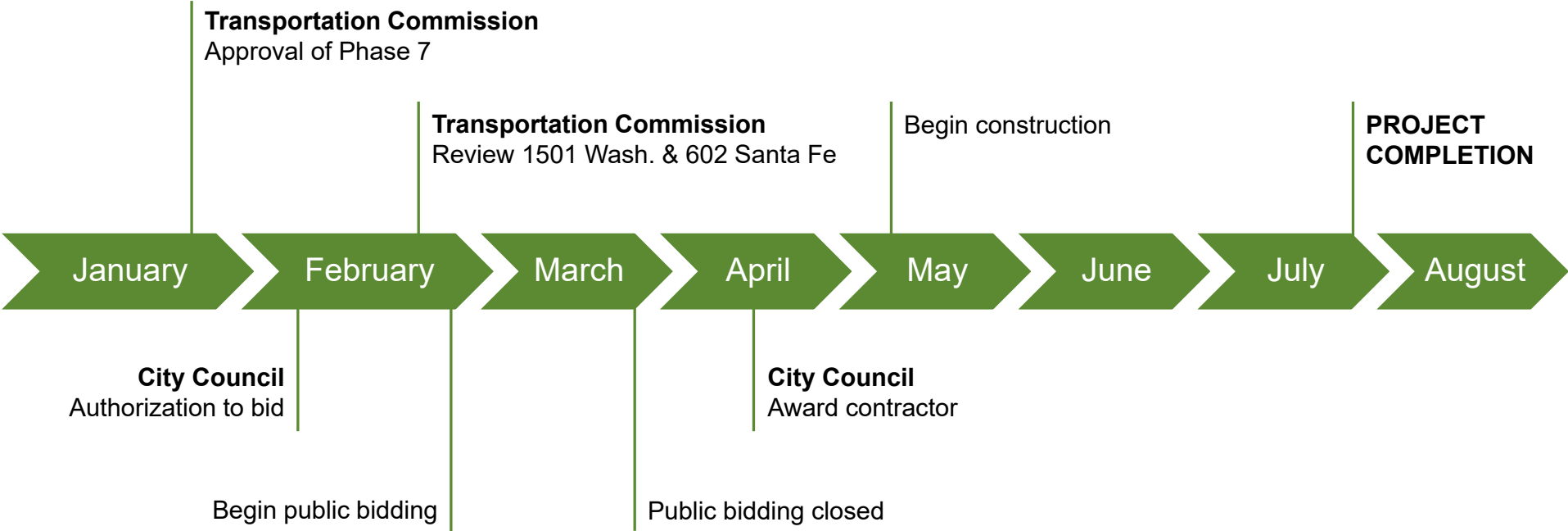


~ 16 lf red curb



Note: minimum size for “compact” car parking spot length is 15 lf

Phase 7 Schedule



Looking Forward

- 1501 Washington & 602 Santa Fe designs (February 2023)
- Progress update during final approval of Phase 8 (tent. July 2023)
- Majority of critical repair locations addressed by end of 2023
- Begin re-thinking prioritization criteria for Phase 9+
- 5-zone shaving cycle completed Summer 2025
- Next sidewalk survey scheduled for Spring 2026
 - Staff considering moving survey up to Fall 2025

Staff Recommendations

- Approve Phase 7 repair locations, including...
 - i. “Option A (C&G Passthrough Bulbout)” at 405 Kains Ave
 - ii. “Option A (C&G Passthrough Bulbout)” at 805 San Carlos Ave

QUESTIONS?

