

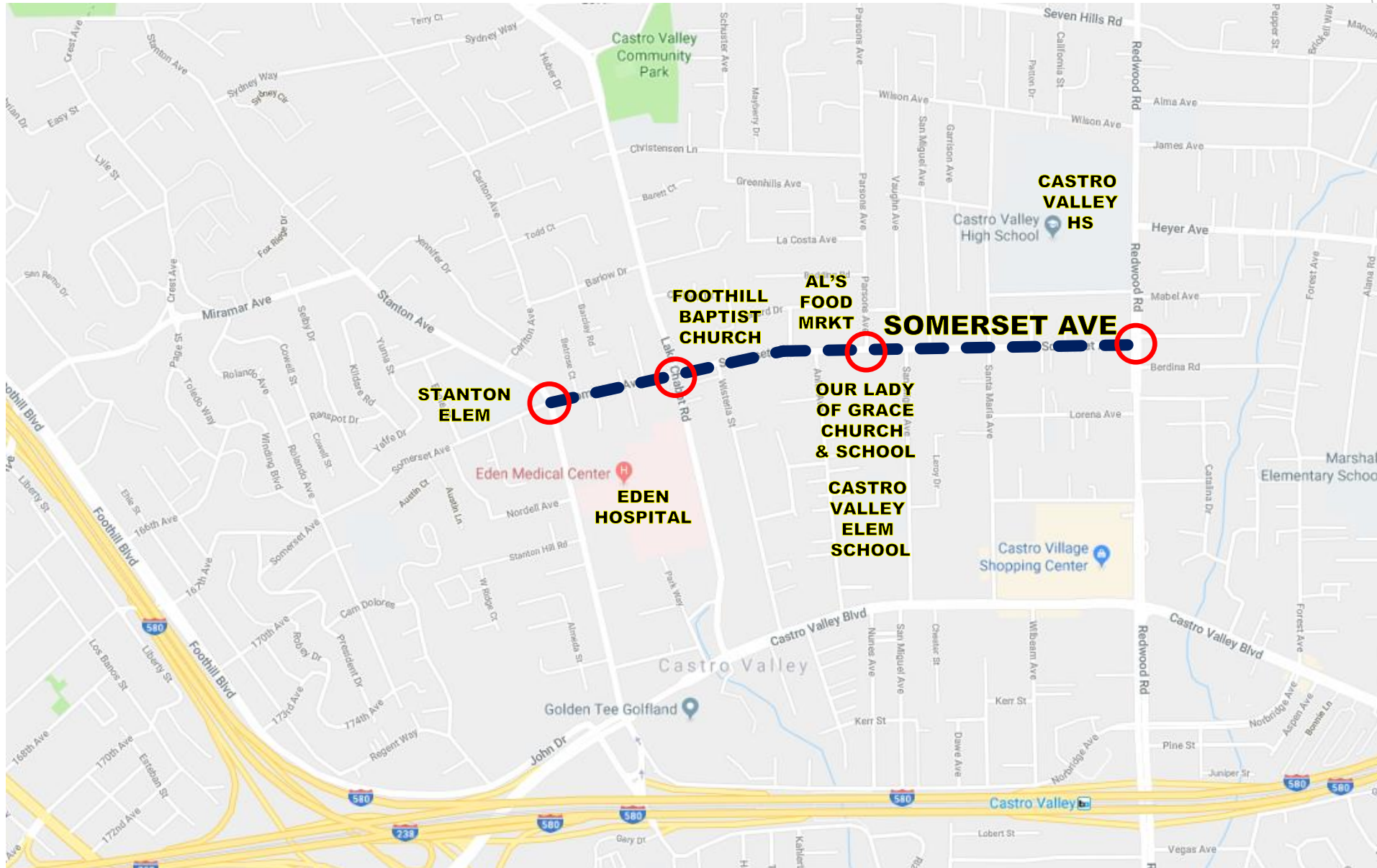
SOMERSET AVENUE Improvement Project



**Presented to
Castro Valley Municipal Advisory Council
June 20, 2022
by
Public Works Agency**



Public Works Agency
—Alameda County—

Project Location



-  Signalized Intersection
-  Project Limits

Existing Conditions



Project Goals

To provide a Multi-modal facility that:

- ✓ improves walkability and accessibility to local schools, businesses, and residences
- ✓ improves bicycle safety
- ✓ Improves traffic safety
- ✓ Improves drainage
- ✓ Treat Roadway Stormwater Runoff
- ✓ Rehabilitate/repair the pavement
- ✓ Improve corridor aesthetics



Proposed Improvements

- Continuous standard concrete curb, gutter and sidewalk
- ADA curb ramps at all pedestrian crossings
- Bikeway Facilities
- Intersection bulb-outs
- High Visibility Crosswalks
- Stormwater treatment measures (Bio-retention areas)
- Storm drain improvements
- Rectangular Rapid Flashing Beacons/signs crossings
- Mill & Overlay/Slurry Seal Roadway
- Street Trees (*e.g. California Redbud, Trident Maple, Majestic Beauty Indian Hawthorne*)



Design Alternatives

Alternative 1

Class III Bike Route - Parking on Both Sides



CLASS III - Bike Route
SHARED LANE MARKINGS
"SHARROWS"

Somerset Ave - Alt 1 (50' ROW)



This typical section shows the project features for Alternative #1. The dimensions shown are preliminary and may change to accommodate local site conditions.

- ✓ Sidewalk (6 ft. wide)
- ✓ On-street parking
- ✓ Bulb-outs
- ✓ Shared Bike Route (Sharrow Pavement Markings)
- ✗ Bike Lane or Bike Lane Buffer
- ✗ Street Trees

Alternatives 2A & 2B

Class II Bike Lanes - Parking on One-Side Only



Somerset Ave - Alt 2A (50' ROW)

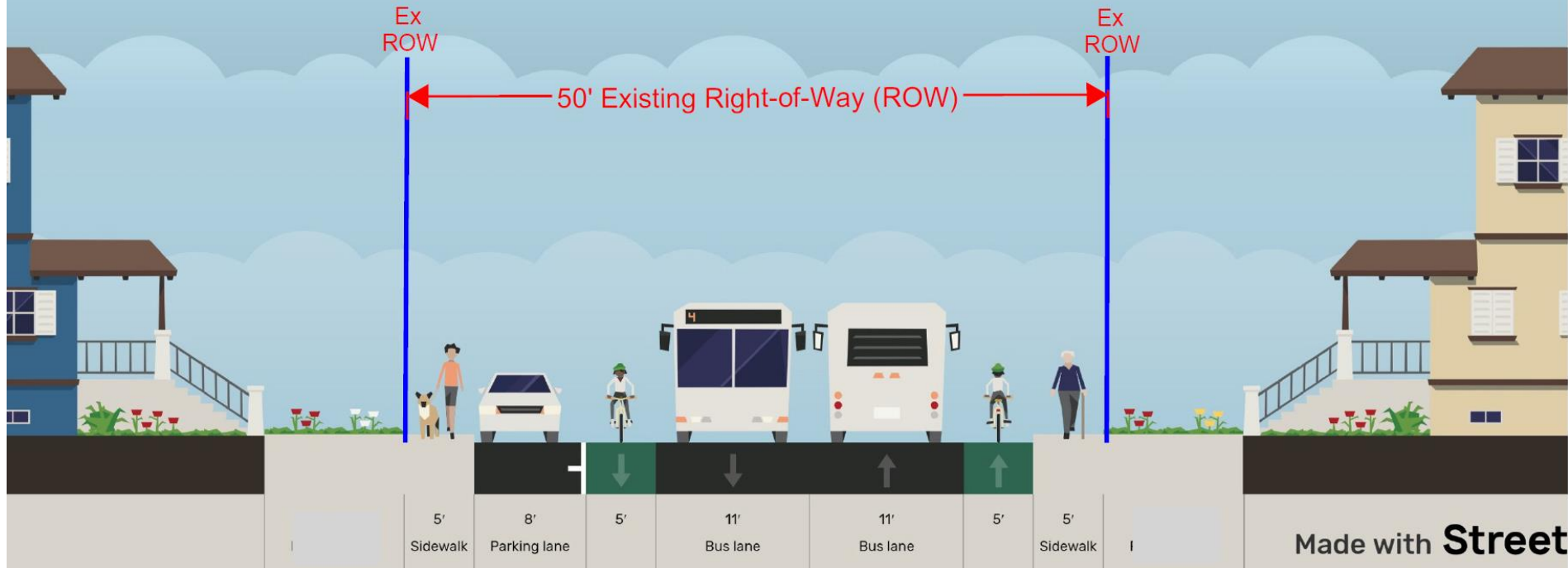


This typical section shows the project features for Alternative #2A. The dimensions shown are preliminary and may change to accommodate local site conditions.

- ✓ Sidewalk (5 ft. wide)
- ✓ On-street parking (southside only)
- ✓ Bulb-outs
- ✓ Bike Lane
- ✗ Bike Lane Buffer
- ✗ Street Trees



Somerset Ave - Alt 2B (50' ROW)



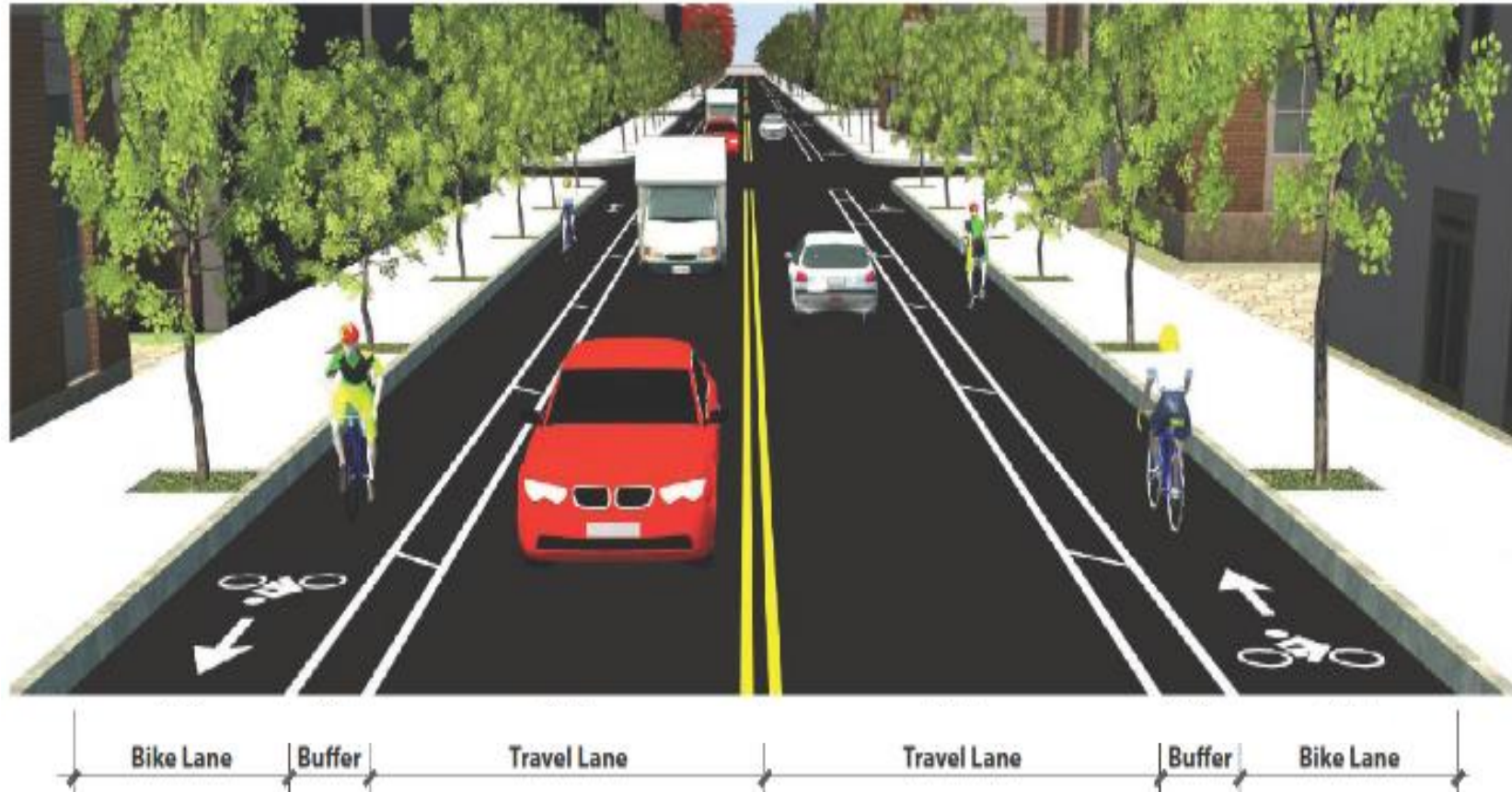
This typical section shows the project features for Alternative #2B. The dimensions shown are preliminary and may change to accommodate local site conditions.

- ✓ Sidewalk (5 ft. wide)
- ✓ On-street parking (northside only)
- ✓ Bulb-outs
- ✓ Bike Lane
- ✗ Bike Lane Buffer
- ✗ Street Trees

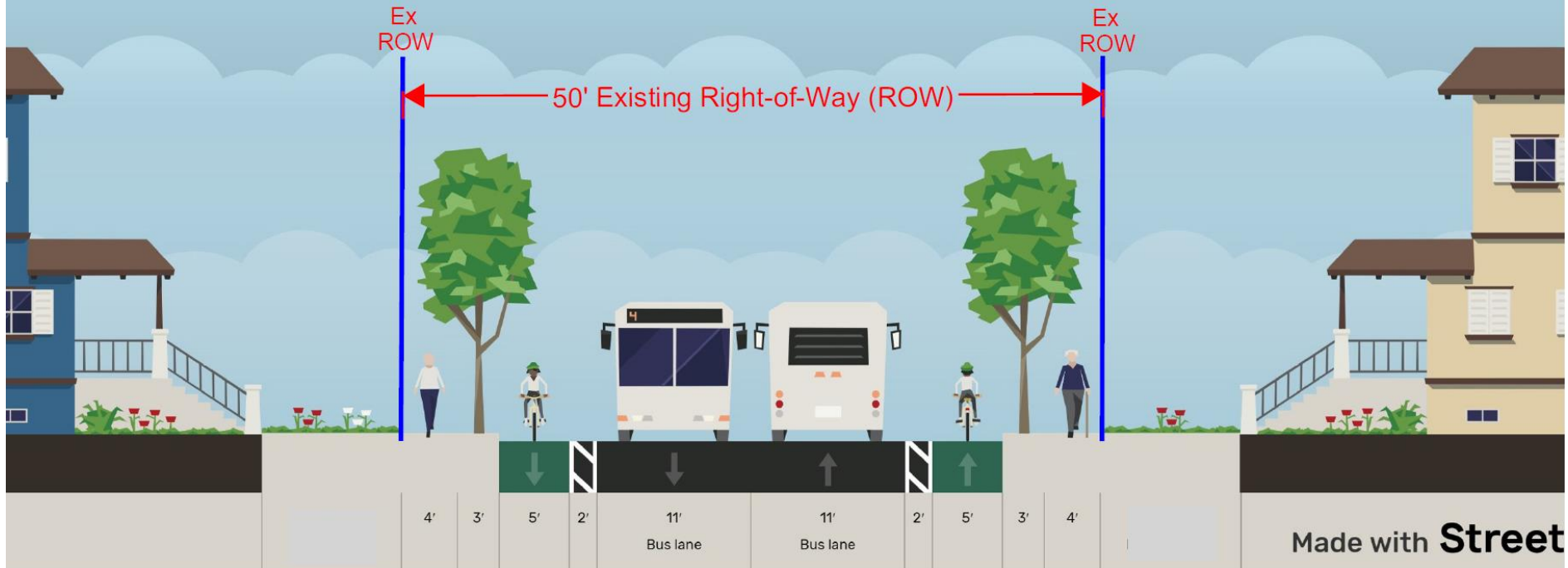


Alternative 3

Buffered Class II Bike Lanes - No Parking (Both Sides)



Somerset Ave - Alt 3 (50' ROW)



This typical section shows the project features for Alternative #3. The dimensions shown are preliminary and may change to accommodate local site conditions.

- ✓ Sidewalk (7 ft. wide)
- ✗ On-street parking
- ✗ Bulb-outs
- ✓ Bike Lane
- ✓ Bike Lane Buffer (2'-3')
- ✓ Street Trees



Comparison of Alternatives

Project Feature	Alt. 1	Alt. 2	Alt. 3
Bike Lanes (Class II)	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> Yes* *Buffered
On-street Parking	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> Yes** **One-side only	<input checked="" type="checkbox"/> No
Bulb-outs	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Sidewalk	6'	5'	7'
Street Trees	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes

On-Street Parking and Bike Counts

Bicycle Counts

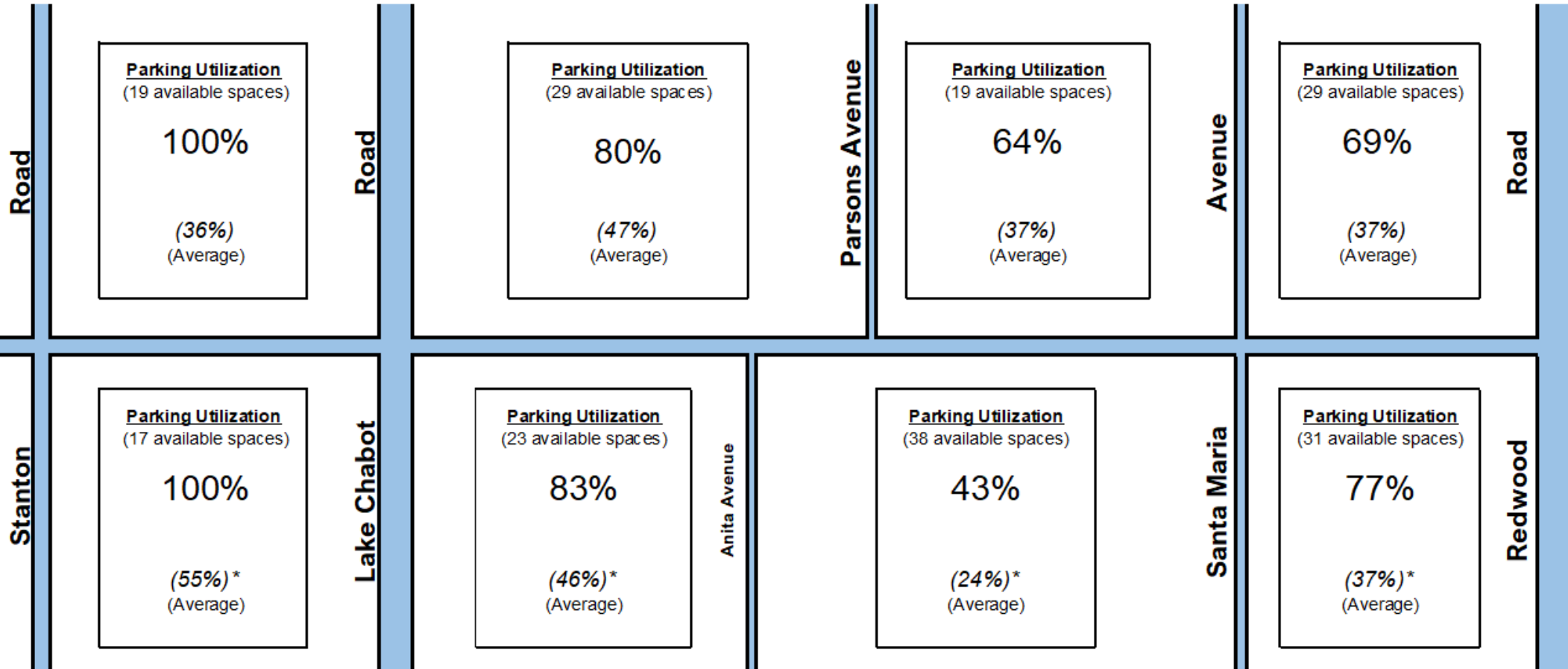
Direction	24-Hour Bike Count*
Eastbound	40
Westbound	49

*Conducted May 3, 2022

Direction	Peak Hours	Peak Hours Bike Count
Eastbound	7 am – 9 am	22
Westbound	2:30 pm – 4:30 pm	23

On-Street Parking Utilization (Existing)

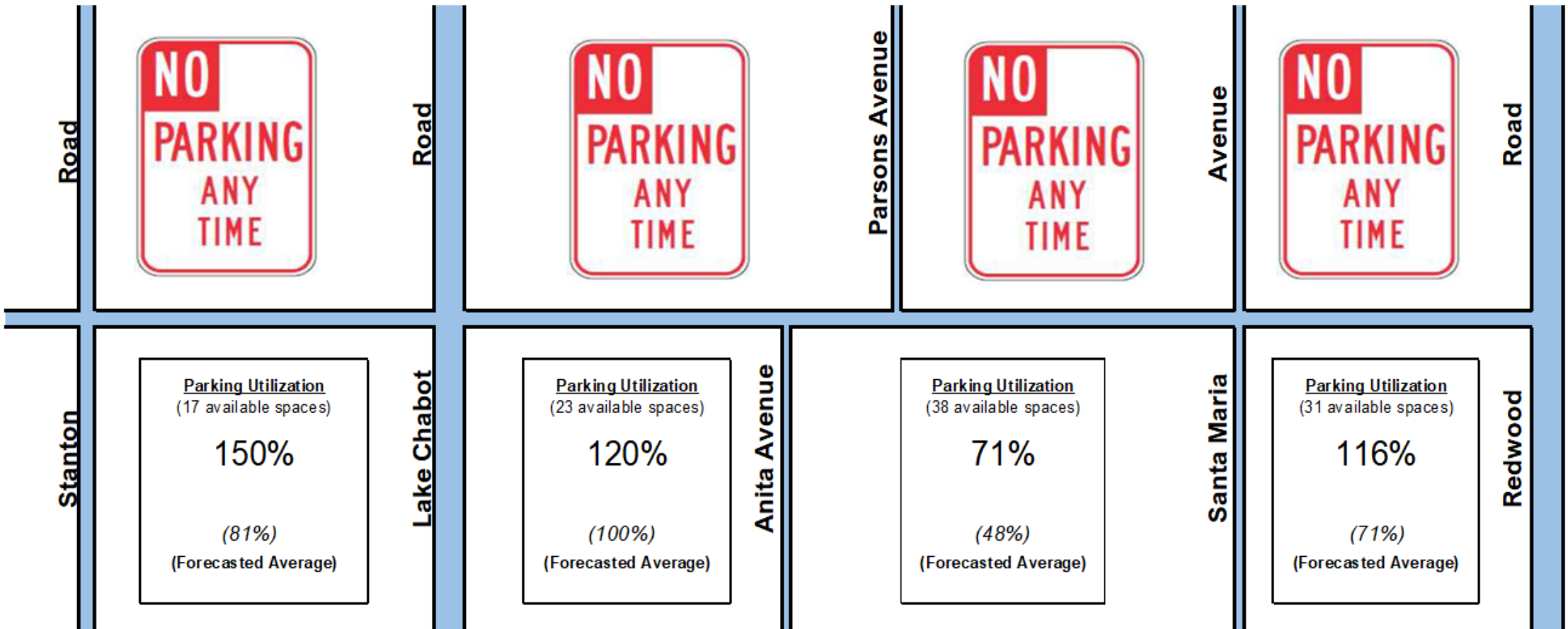
(Updated May 2022)



Alternative 2A: Prohibit Parking on Northside

On-Street Parking Utilization

Forecasted – Peak Demand
(Updated May 2022)

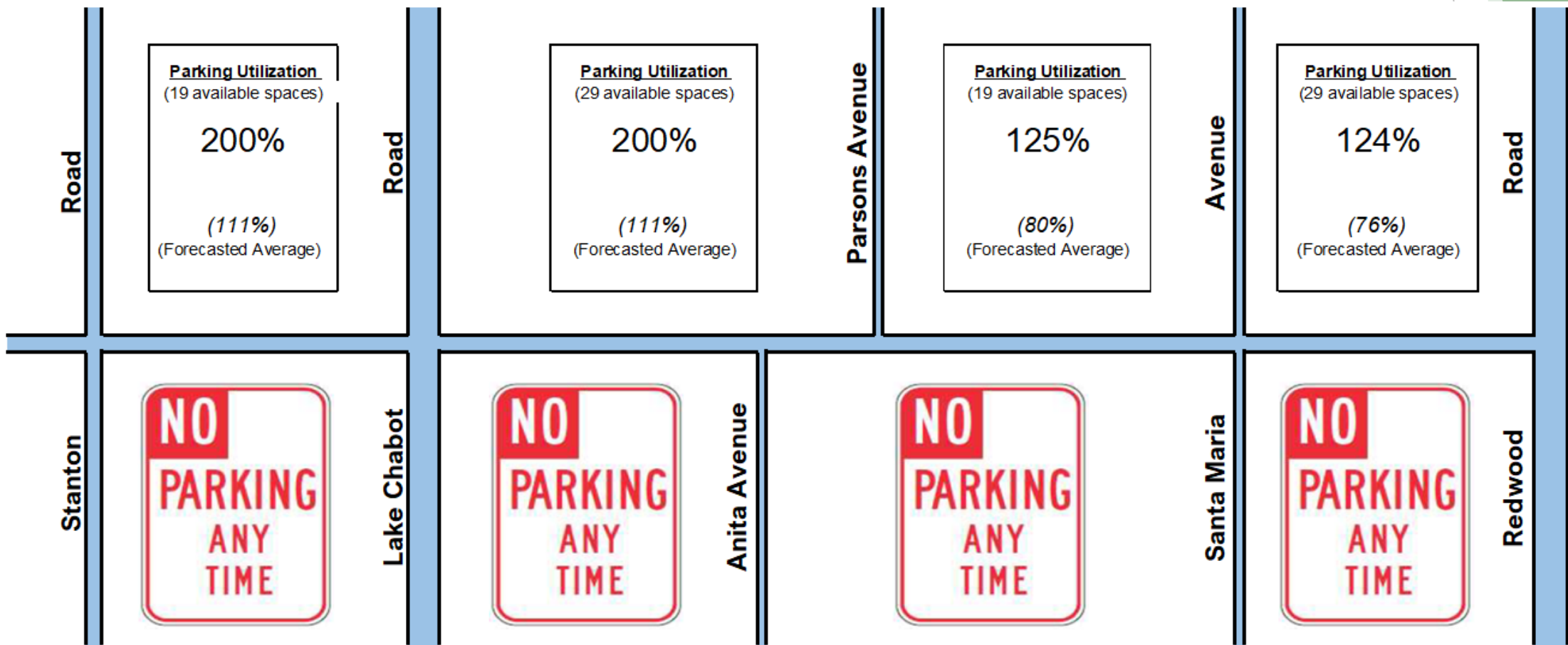


Alternative 2B: Prohibit Parking on Southside

On-Street Parking Utilization

Forecasted – Peak Demand

(Updated May 2022)

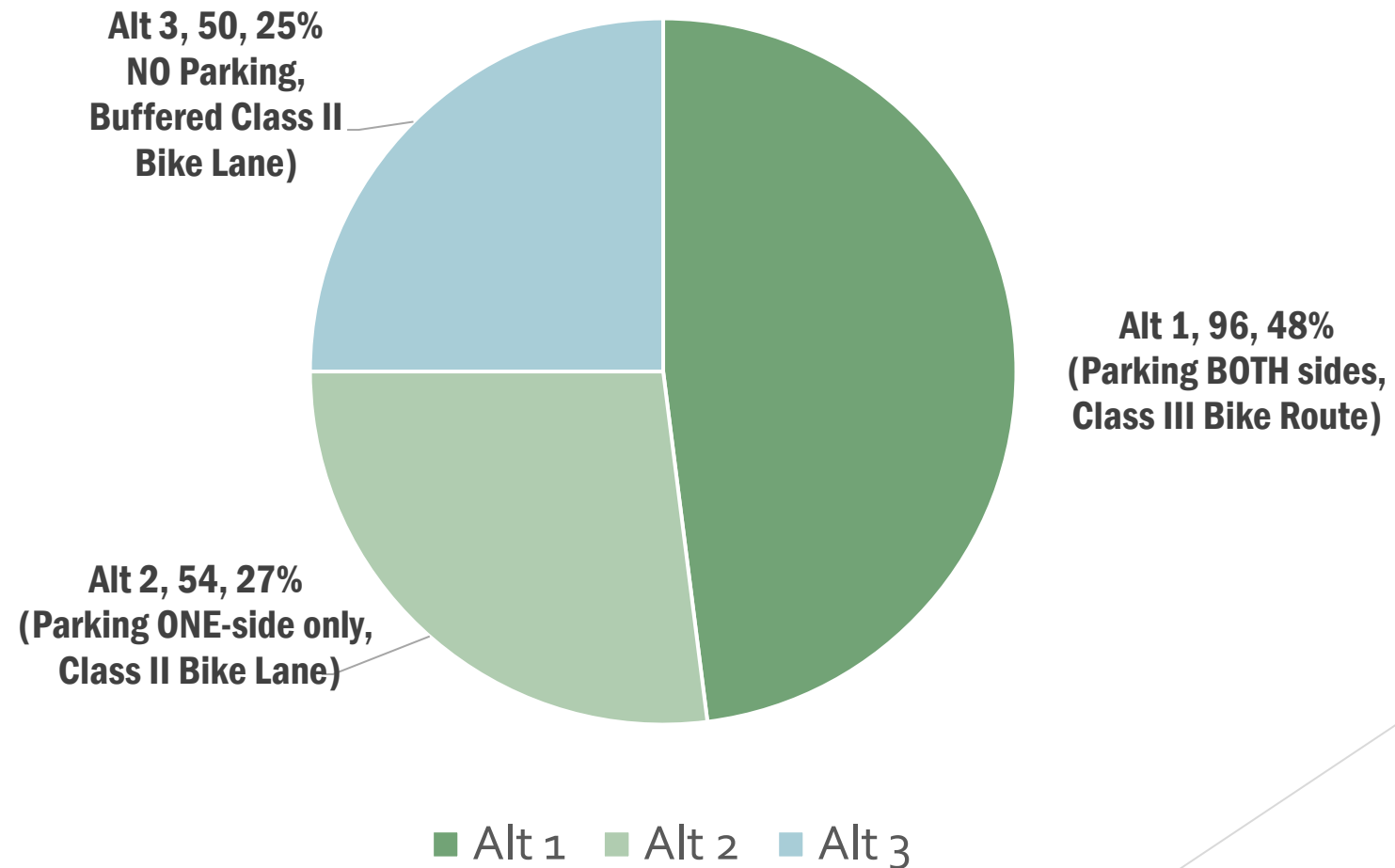


Community Feedback & Polling Results

Community Meeting Held on 4/26/2022

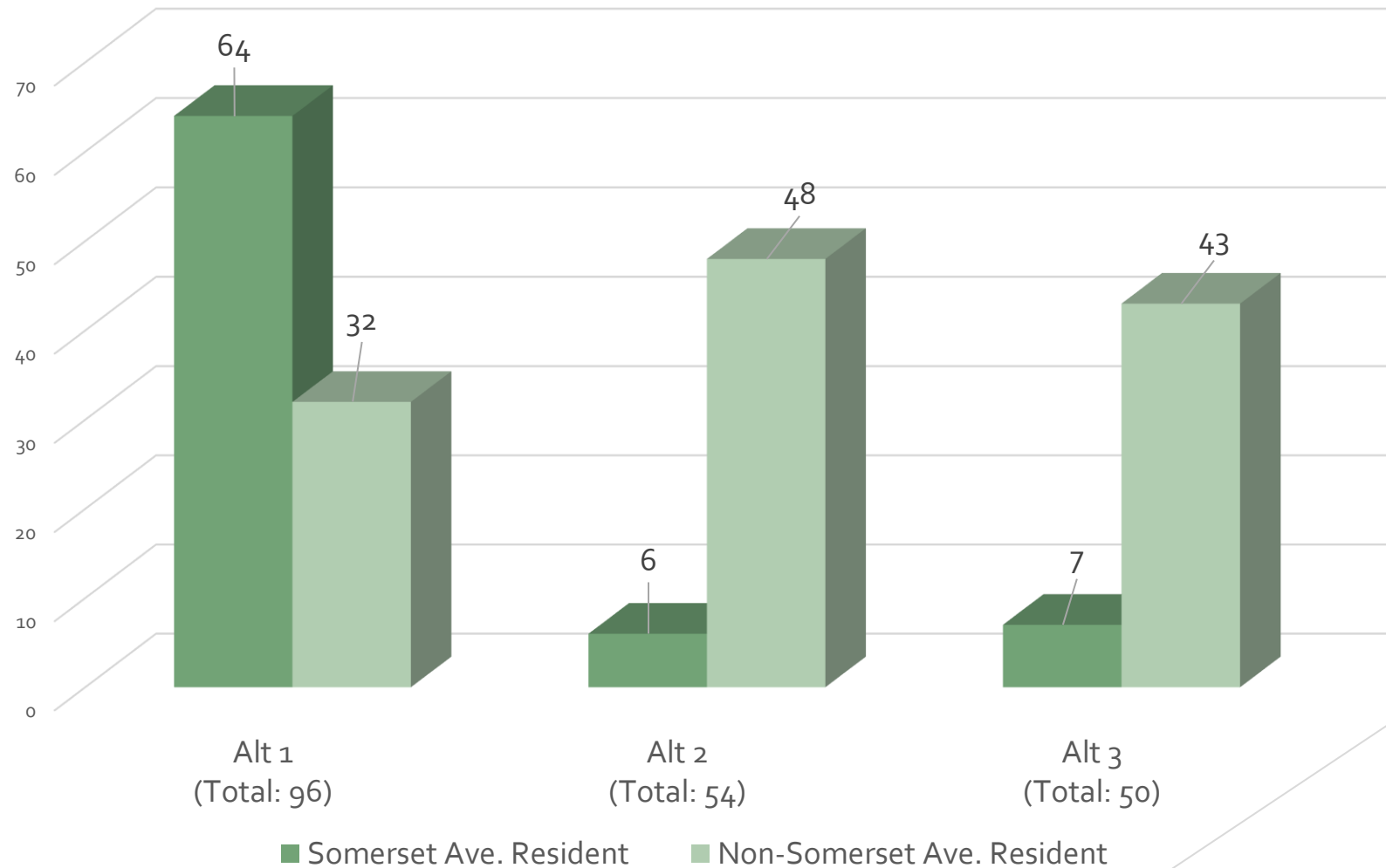
Alternatives Polling Results

First Choice



Alternatives Polling Results

First Choice



Questions/Comments

