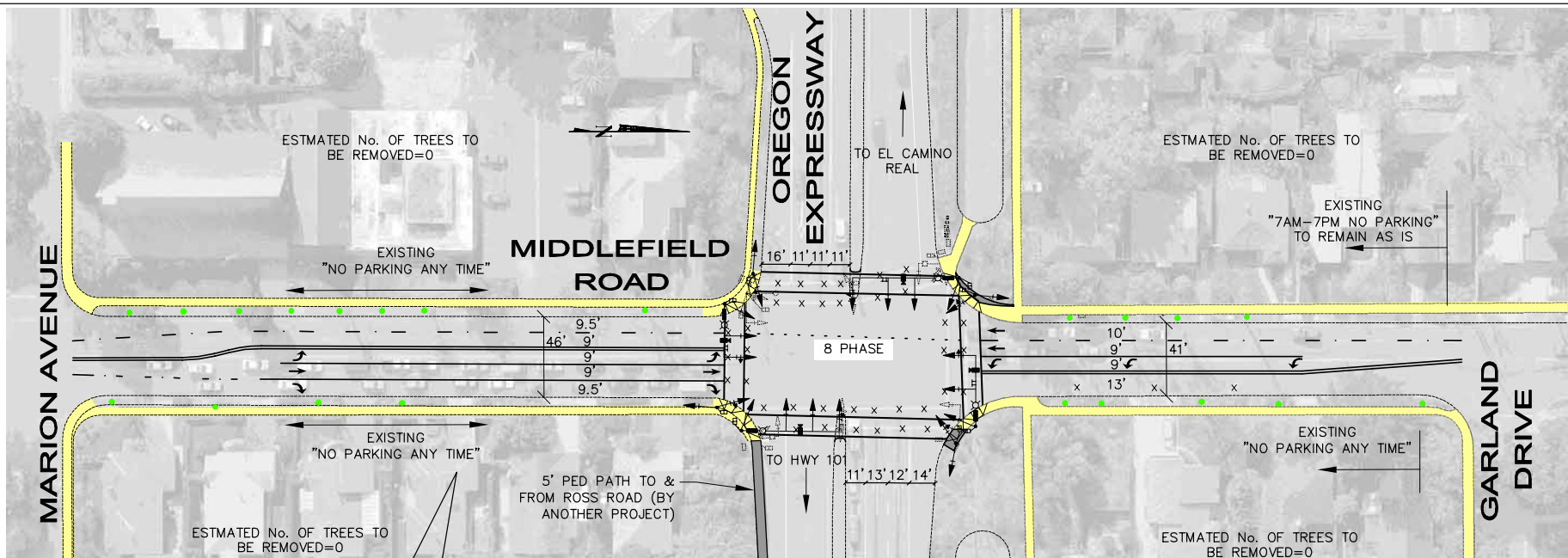


Proposed Conceptual Alternatives



Pros

1. Includes no widening
2. Maintains existing landscaping strip as is
3. Provides efficient signal operation
4. Minimizes delay at intersection and system-wide on Oregon Expressway
5. Improves intersection level of service by a grade
6. Reduces queuing and delay on Middlefield Rd.
7. Enhanced pedestrian crossings with countdown signals
8. Left turns from both directions of Middlefield Rd. are served first followed by through movements
9. Continues to eliminate conflicts between left turn traffic and opposing through movements
10. Dedicated right turn lane on northbound Middlefield Rd.

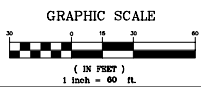
Cons

1. Narrower lanes
2. Creates an offset of approximately 5' in both directions on Middlefield Rd.
3. One through lane on northbound Middlefield Rd.

Alternative 4

Legend

- Proposed Sidewalk/Concrete Island
- Existing Sidewalk
- Remove Existing Striping
- Existing Curb/Edge of Pavement
- Proposed Striping
- New/Enhanced Wheel Chair Ramp
- Proposed Signal Equipment
- Existing Signal Equipment
- Existing Tree



County of Santa Clara Roads and Airports Dept.
Oregon Expressway Improvement Project

Oregon Expressway and Middlefield Road

Middlefield Road - Alternative 4

Looking North



Existing



Proposed

Traffic improvements

- No widening
- More efficient signal operation which minimizes delay at intersection and system-wide on Oregon expressway
- Improves intersection level of service by a grade
- Multi-modal traffic for all directions
- Left turns from both directions of Middlefield are served first followed by through movements eliminating conflicts
- Dedicated right turn lane on northbound Middlefield

Traffic constraints

- Narrower lanes
- One through lane for northbound Middlefield
- Offset of 5'6" in both directions

Pedestrian/ Community amenities **(Expanded at corners)**

- Maintains existing landscaping strip as is
- Enhanced pedestrian crossing with countdown signals
- Straightened crosswalks
- New / Enhanced wheelchair ramps

