

## Appendix C | 2016 Updates to the CMP network

This appendix documents changes to the CMP network observed during the 2016 LOS monitoring cycle. Other minor descriptions were updated as appropriate, but are not recorded here. There were no major changes to the Tier 1 Arterials or Tier 2 Arterials this analysis cycle.

### C.1 | Tier 1 Freeways

While there were no changes to the Tier 1 Freeway network, it is noted that the I-580 in both directions between the I-680 and Greenville were not monitored as this section of freeway was in a ramp up period due to the recent opening of express lanes. Monitoring will continue as normal next cycle.

### C.2 | Tier 1 Arterials

The changes to the Tier 1 Arterials network are shown in Table C-1.

**Table C-1: 2016 Tier 1 Arterials**

Route / Direction	Description	Length (mi)
Park Street / EB*	GIS alignment change from the Park St. bridge to 23 <sup>rd</sup> Ave. and Kennedy St.	0.7

\* GIS segment alignment change only. Length unchanged to 0.1 precision level.

### C.3 | HOV and Express Lanes

In the 2014 monitoring cycle, HOV and express lanes were added to the CMP network for performance monitoring (information only). In 2016, monitoring continued on these segments, however the updates in Table C-2 are noted.

**Table C-2: 2016 HOV and Express Lanes**

Route / Direction	HOV	EL*	Description	Length (mi)
880/SB	✓		Begin of HOV South of Hegenberger to Marina Blvd.	2.4

\* EL: Express Lane

Similar to the comment above in the freeway section, the new express lanes on I-580 were not monitored because they are still in the ramp up period. In the next monitoring cycle, monitoring will continue as normal in the Eastbound direction. For the westbound direction, the new express lanes were constructed anew, rather than by converting existing HOV lanes. For this reason, in the next monitoring cycle, new CMP segments should be developed to cover this new section of managed lane. Consistent with the 2014 monitoring cycle, HOV lanes on arterials or ramps were considered out of scope.

C.4 | Origin Destination Surveys

Table C-3 lists the changes to origin destination surveys.

**Table C-3: Changes to Origin Destination Surveys**

ID	Description	Length (mi)	Modes Impacted	Details
2	Emeryville to Berkeley	4.8	Transit	Transit route updated to quicker option.
3	Hayward to Livermore	20.6	Transit	Transit route was modified to use express bus 12X instead of 12 because it was a quicker option.
6	Fremont to San Jose	14.3	Transit	Route description was updated to reflect recently modified VTA 330 bus boarding location after transfer from ACE Great America Station