

City of Irvine – ITS Overview



February 27, 2020

CITY OF IRVINE



Overview



375+

Traffic
Signals

With Battery Back-Up



250+

CCTV
Cameras



180+

Video Detection
Locations



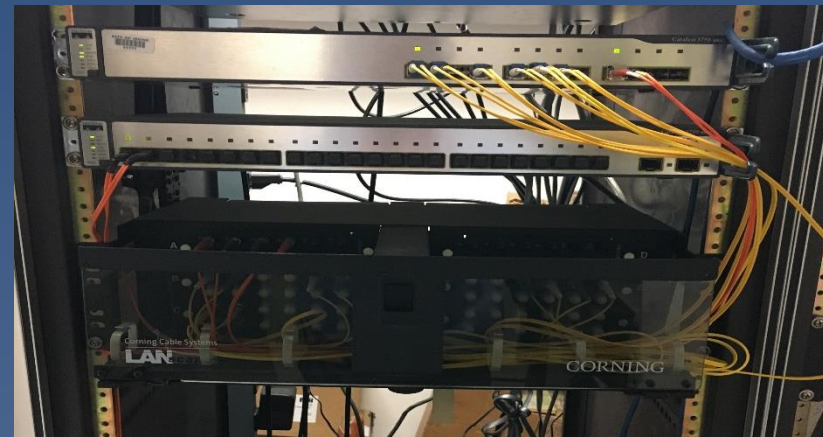
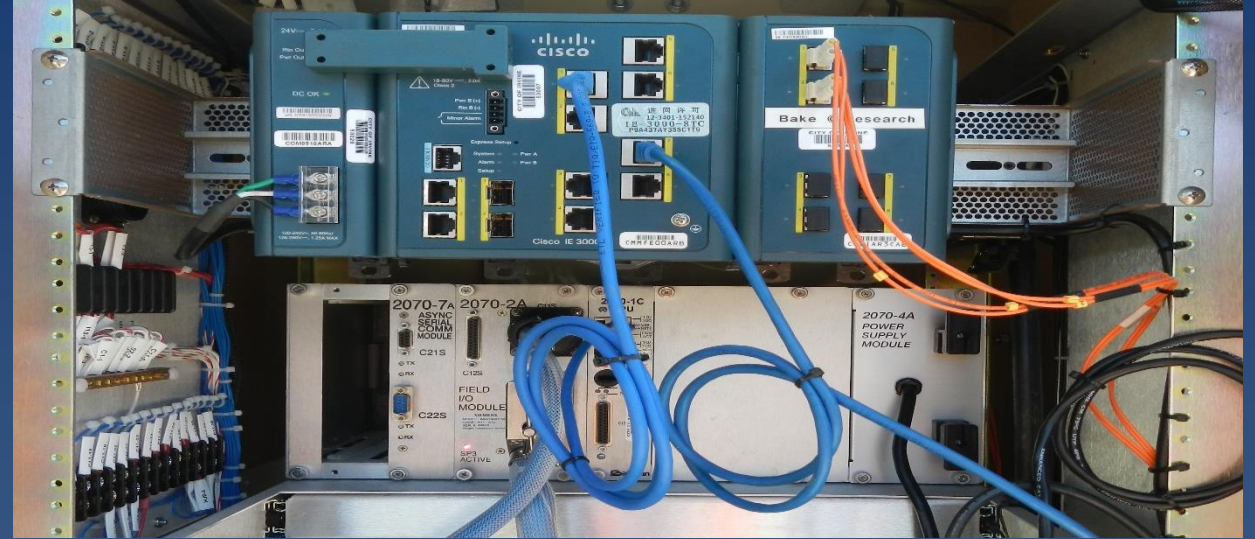
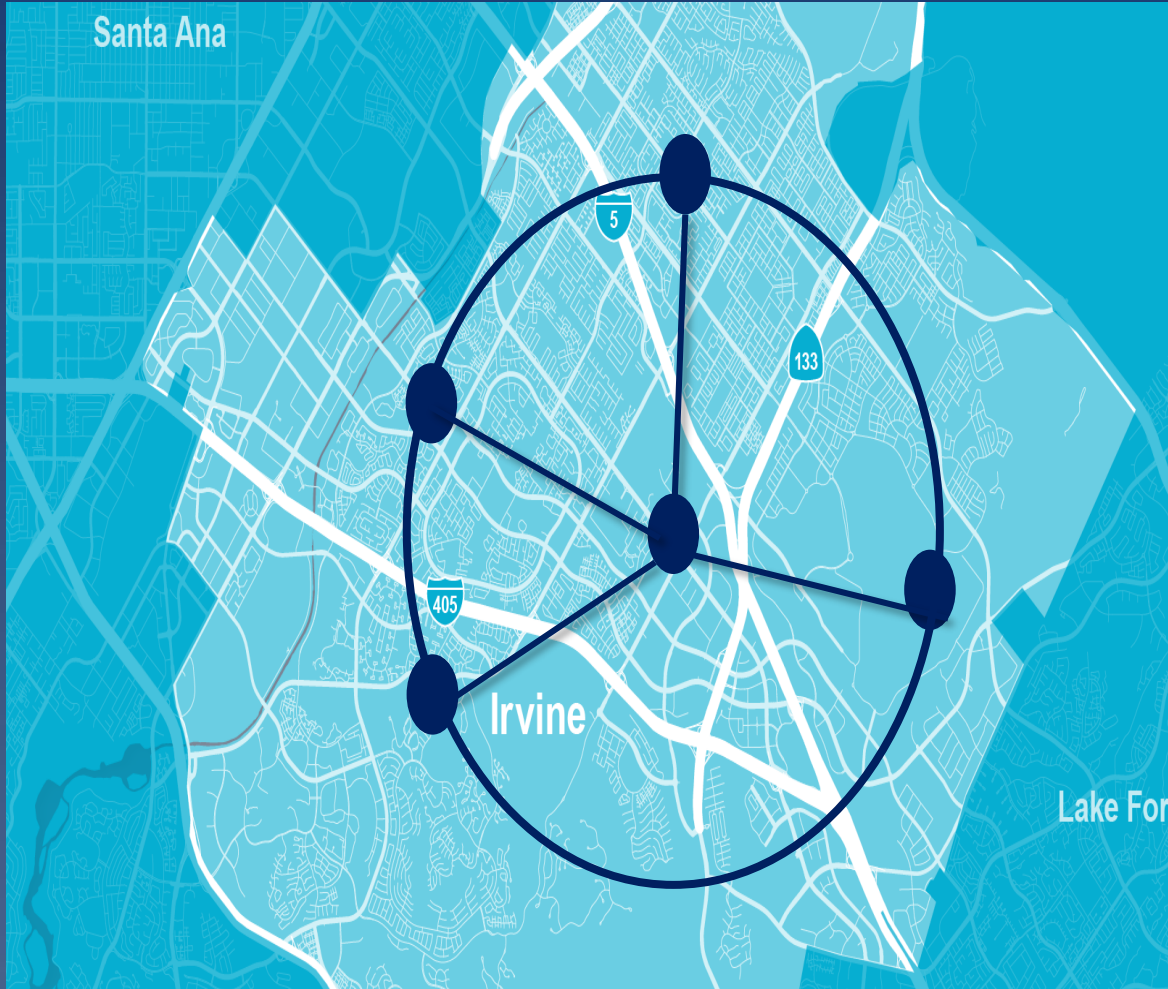
282,572

Population Estimate
(US Census 2018)

CITY OF IRVINE

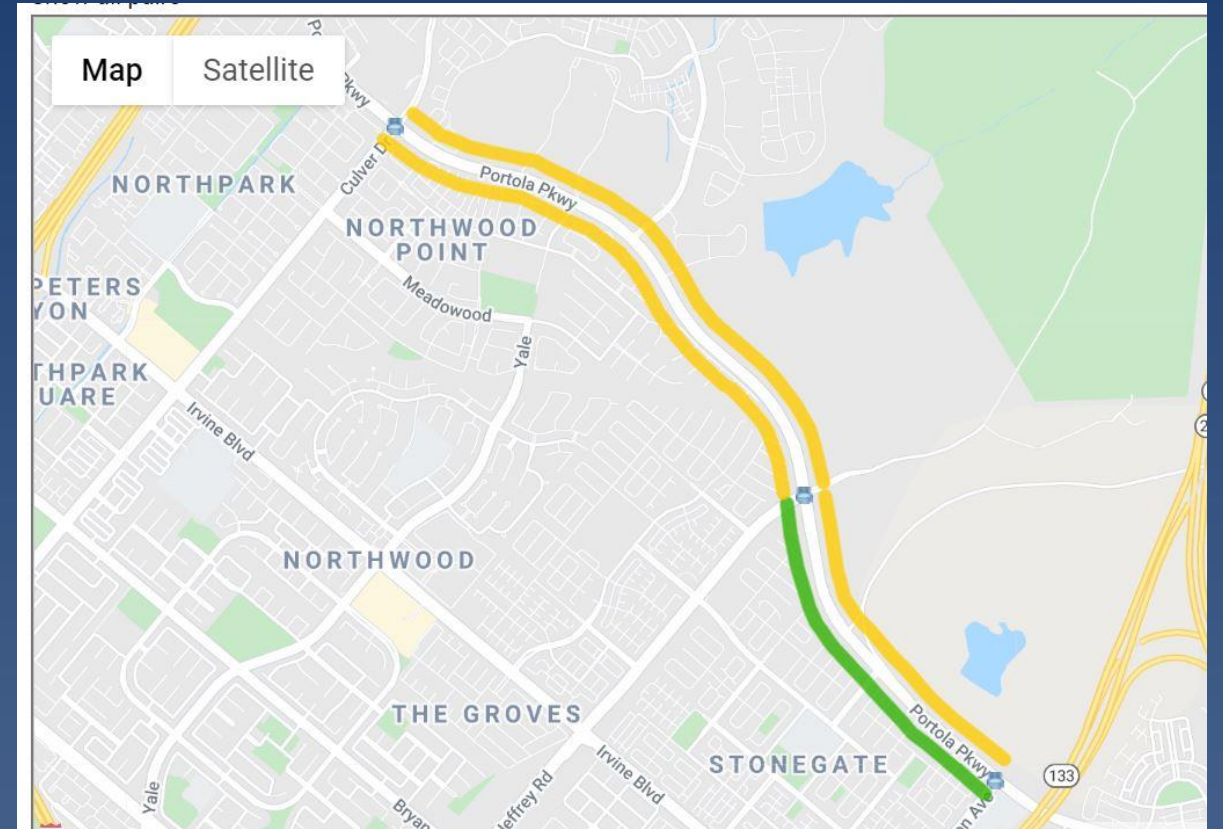


Fiber Optic Infrastructure

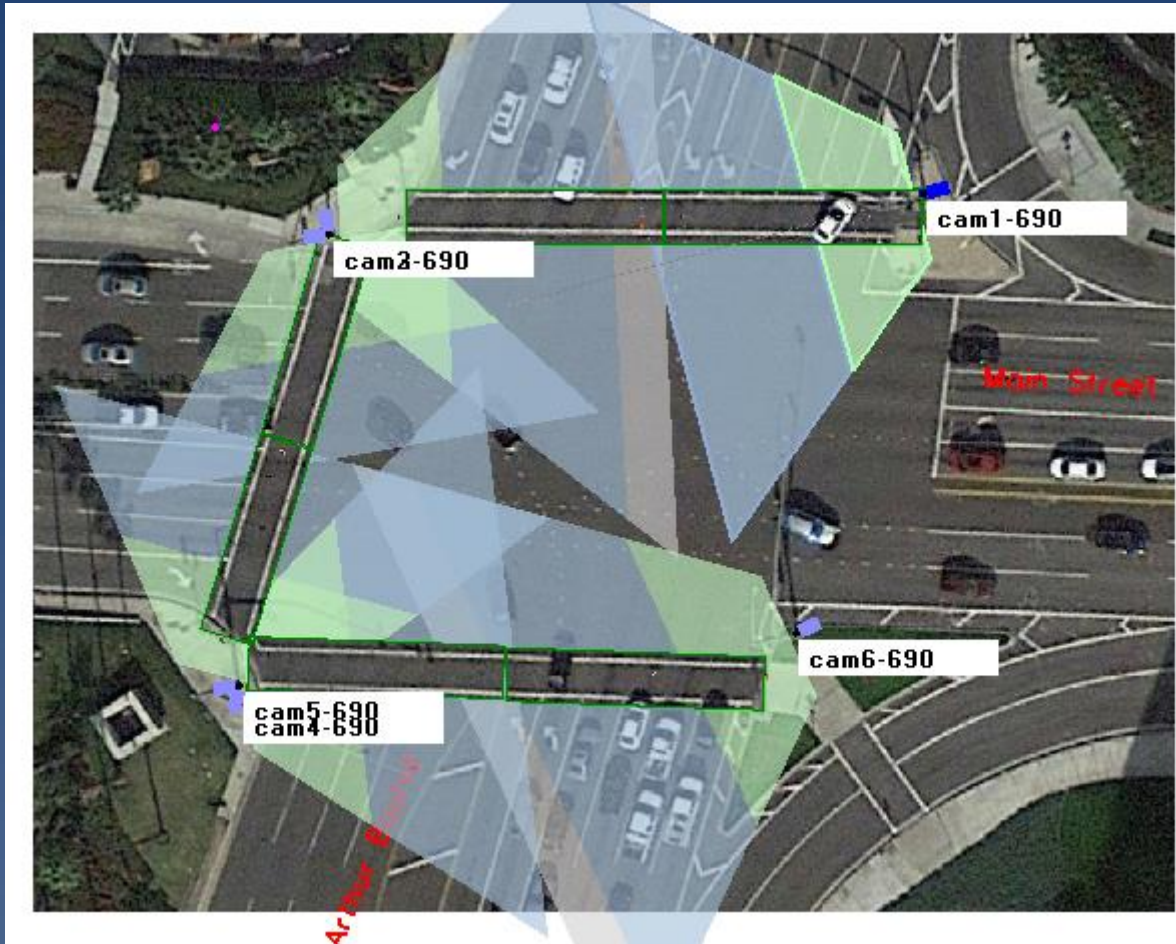


Adaptive Traffic Control System

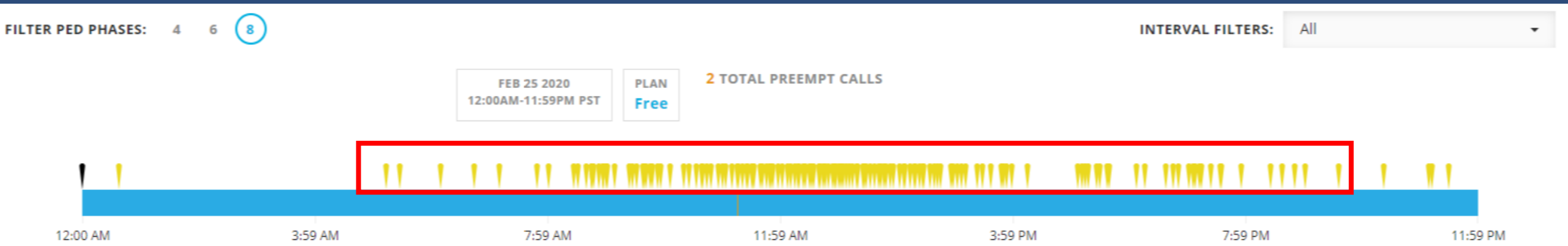
Setting	Initial	Recommended
Offset	19	11
Cycle Length	140	140
Sequence/Splits		
Probability Of Green	Initial	Predicted
Programmed Green Time		



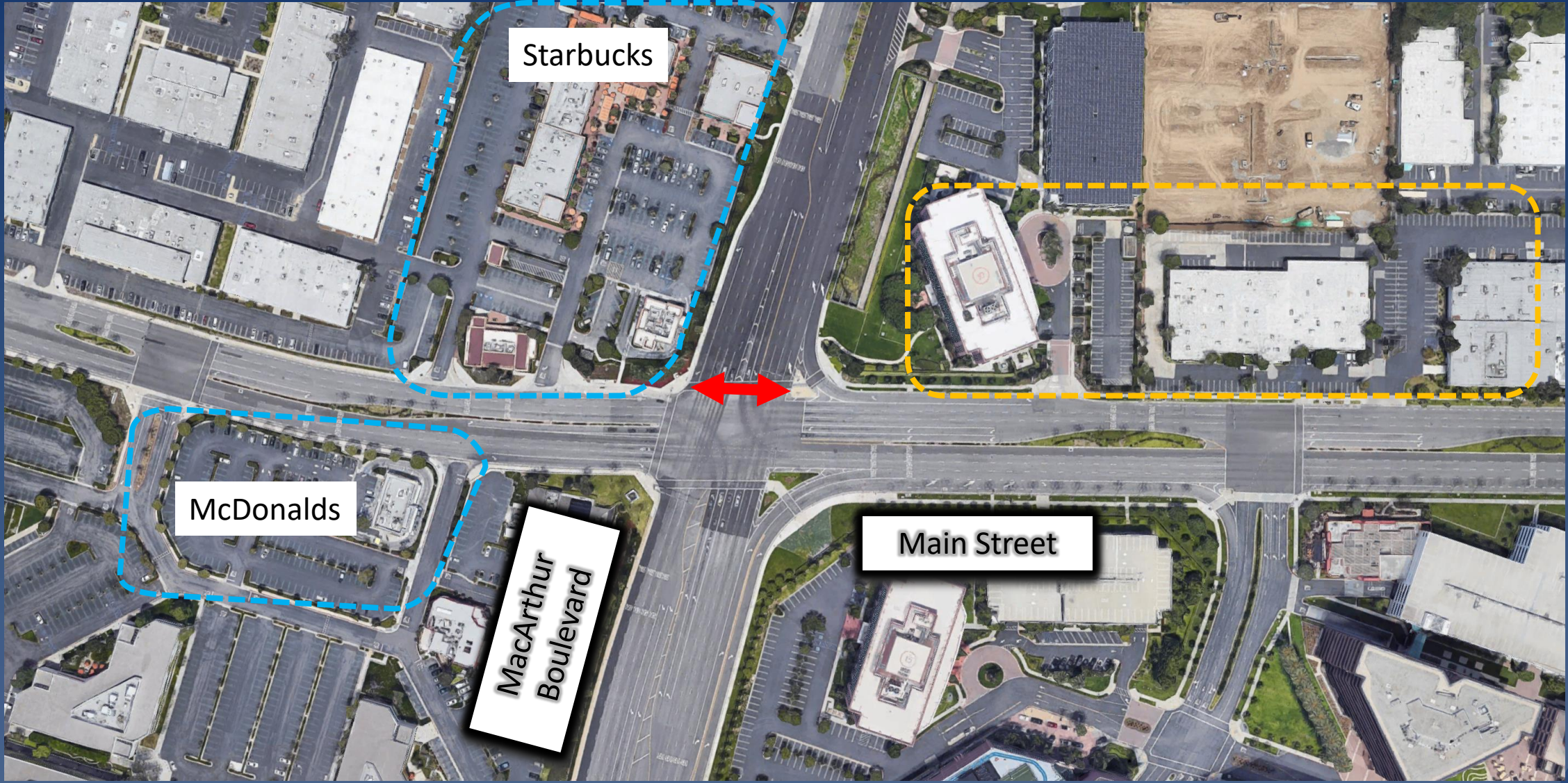
Main Street at MacArthur Boulevard Passive Pedestrian Detection



Main Street at MacArthur Boulevard Signal Performance Measure



Land Uses – Main Street at MacArthur Boulevard



Campus Drive ITS Testbed

Research for Development of ITS Technology and Applications



- Traffic system data
- Road and intersection infrastructure
- Technical partners



- Academia resources
- Research opportunities and grants
- Evaluation of technology
- Development of applications

Thank You

