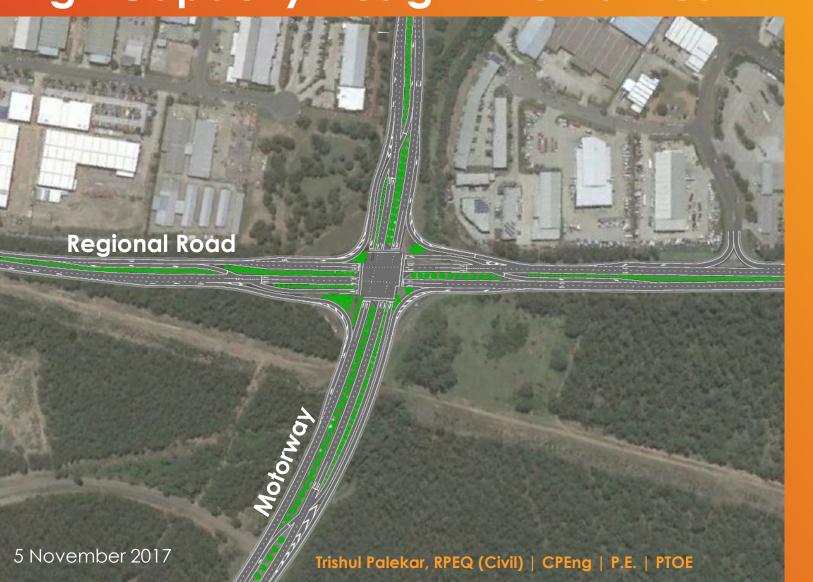
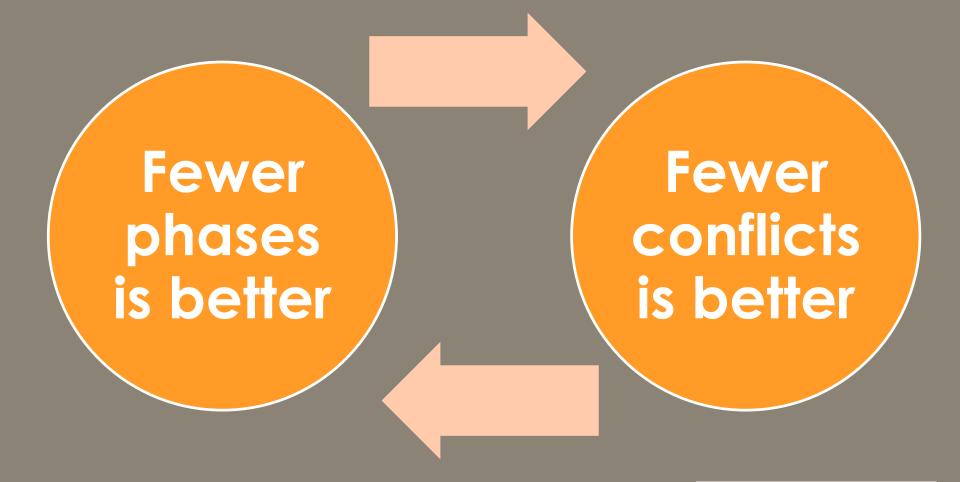
# Continuous Flow Intersections High Capacity Design Alternatives

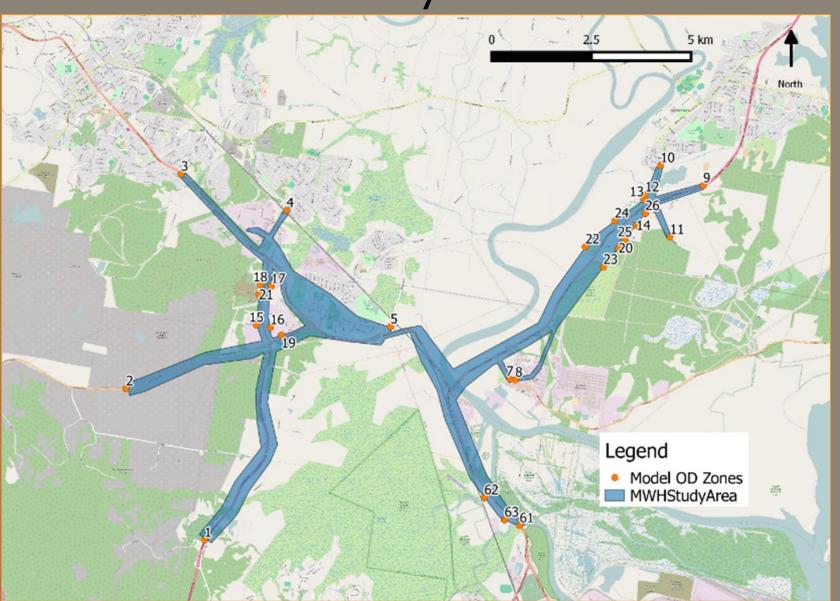


## **Underlying Principle**

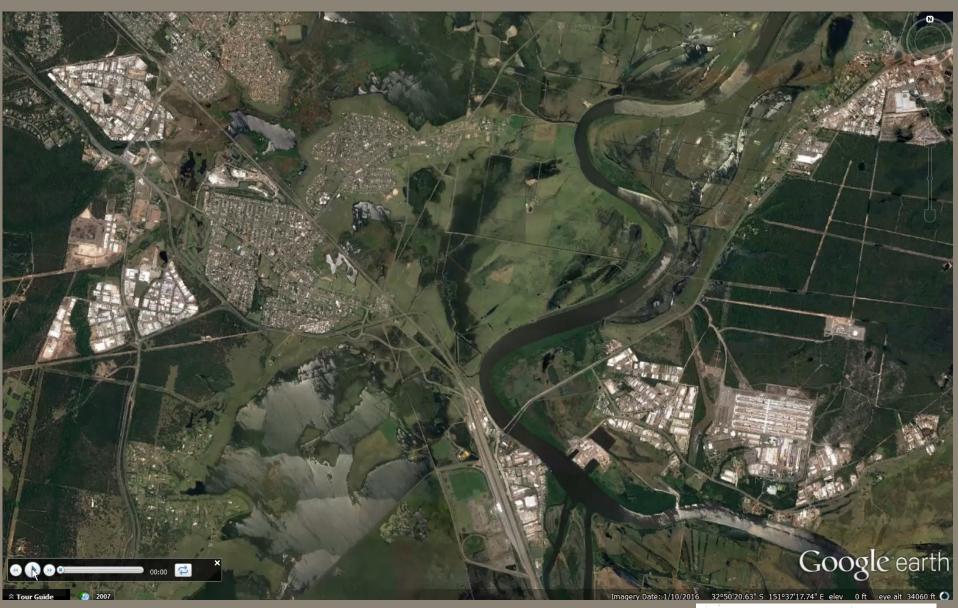


(11) K-17TL-37V (L.) (Natuure

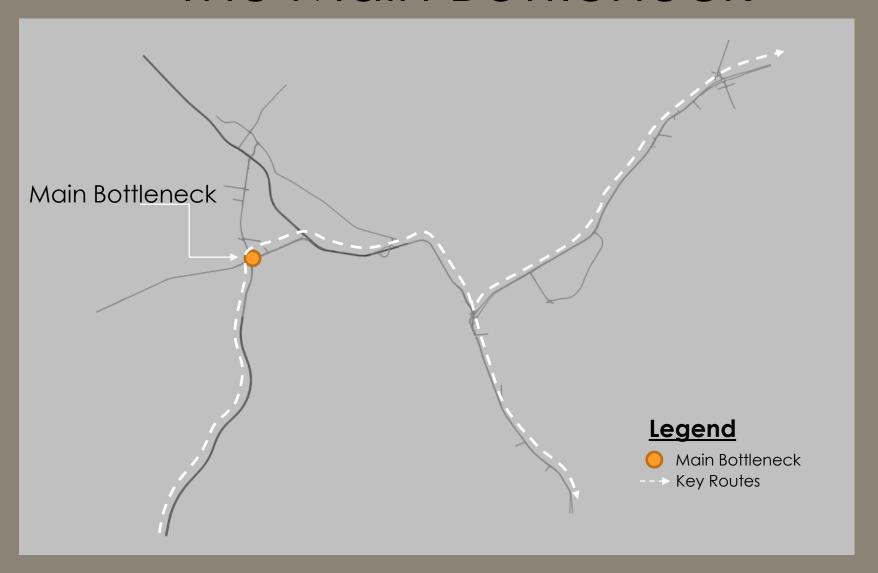
# Study Area

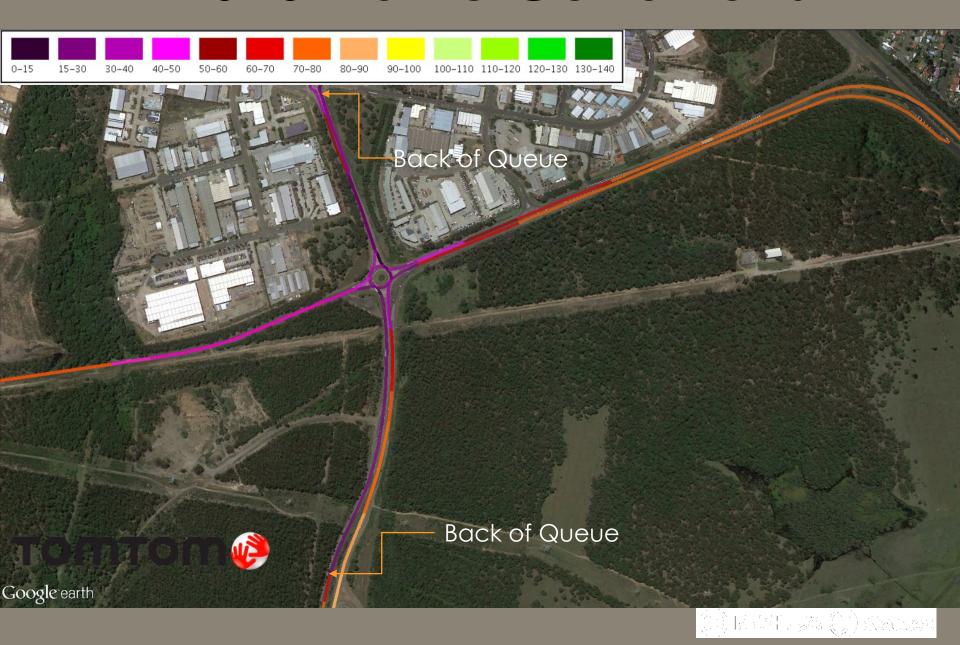


## The Network



#### The Main Bottleneck







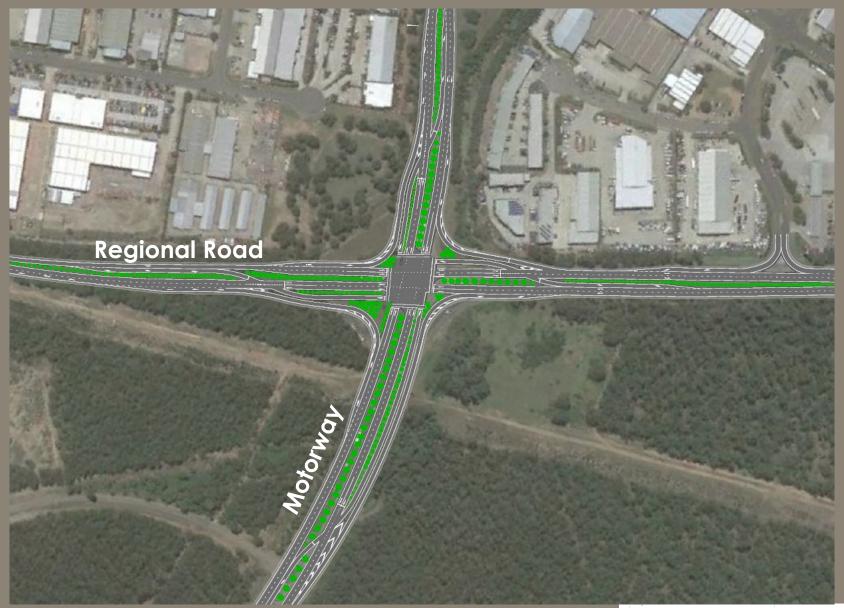
# Conventional Upgrade



Option 1: Conventional Grade-Separation



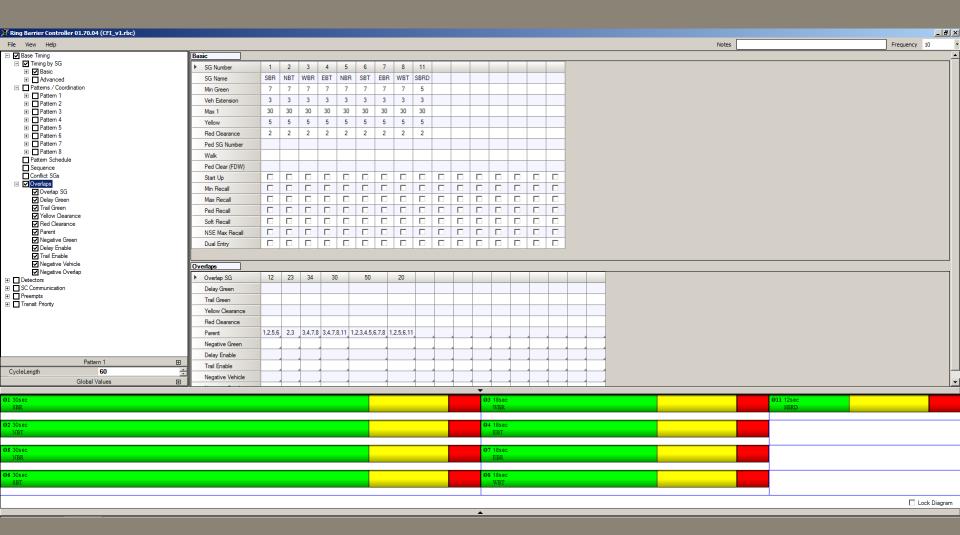
## Continuous Flow Intersection



## Continuous Flow Intersection



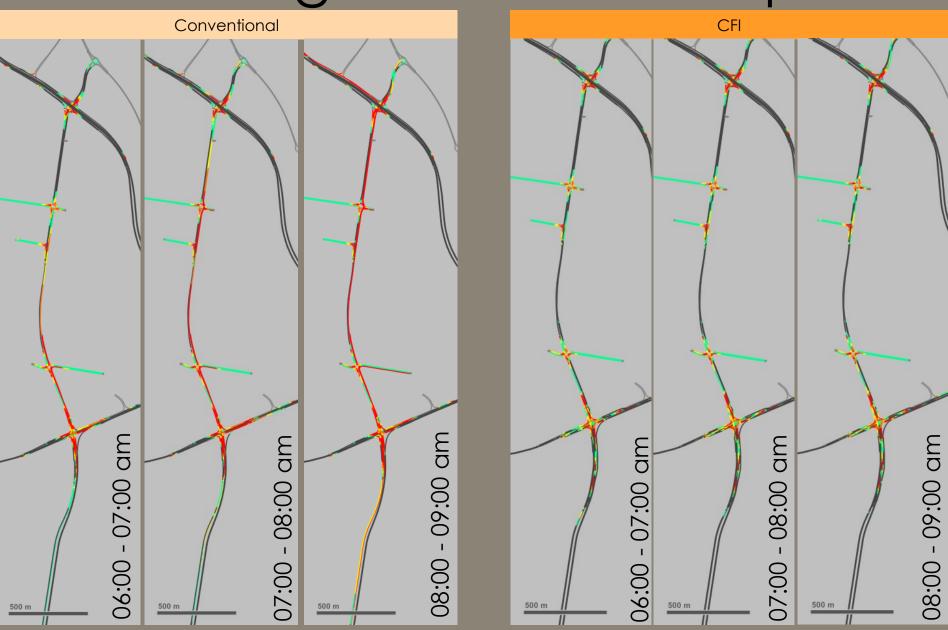
# Signal Phasing with RBC



Option 2: Continuous Flow Intersection



# Congestion Heat Map



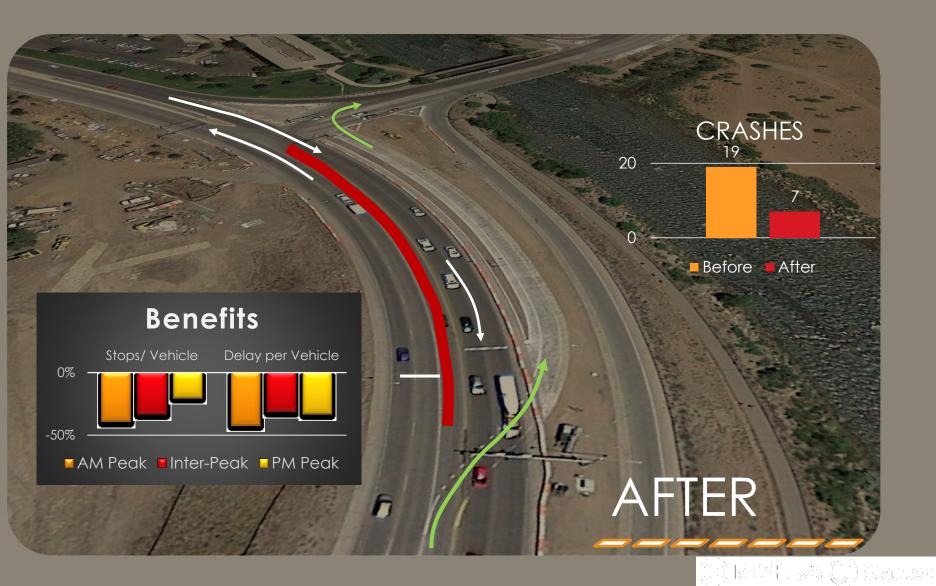
## Benefits

Category	Option 1 (Conventional)	Option 2 (CFI)
Intersection Demand (vph)	5,082	5,141
Intersection Delay and LoS	88.41   F	37.36   D
Travel Time - NB	05:08	03:47
Travel Time - SB	15:50	2:41
Average Speed - NB	62 Km/h	84 Km/h
Average Speed - SB	8 Km/h	47 Km/h

#### US 550 CFI, Durango, Colorado



#### US 550 CFI, Durango, Colorado



#### US 550 CFI, Durango, Colorado



## Questions?

