



Olympic/Beverly/Beverwil Intersection

City Council Study Session
October 20, 2015



Olympic/Beverly/Beverwil

- Complex intersection carrying 74,000 vehicles per day (second busiest in City)
- City has replaced signage, restriped intersection and modified signal timing
- Commissioned Fehr & Peers to assess improvement options

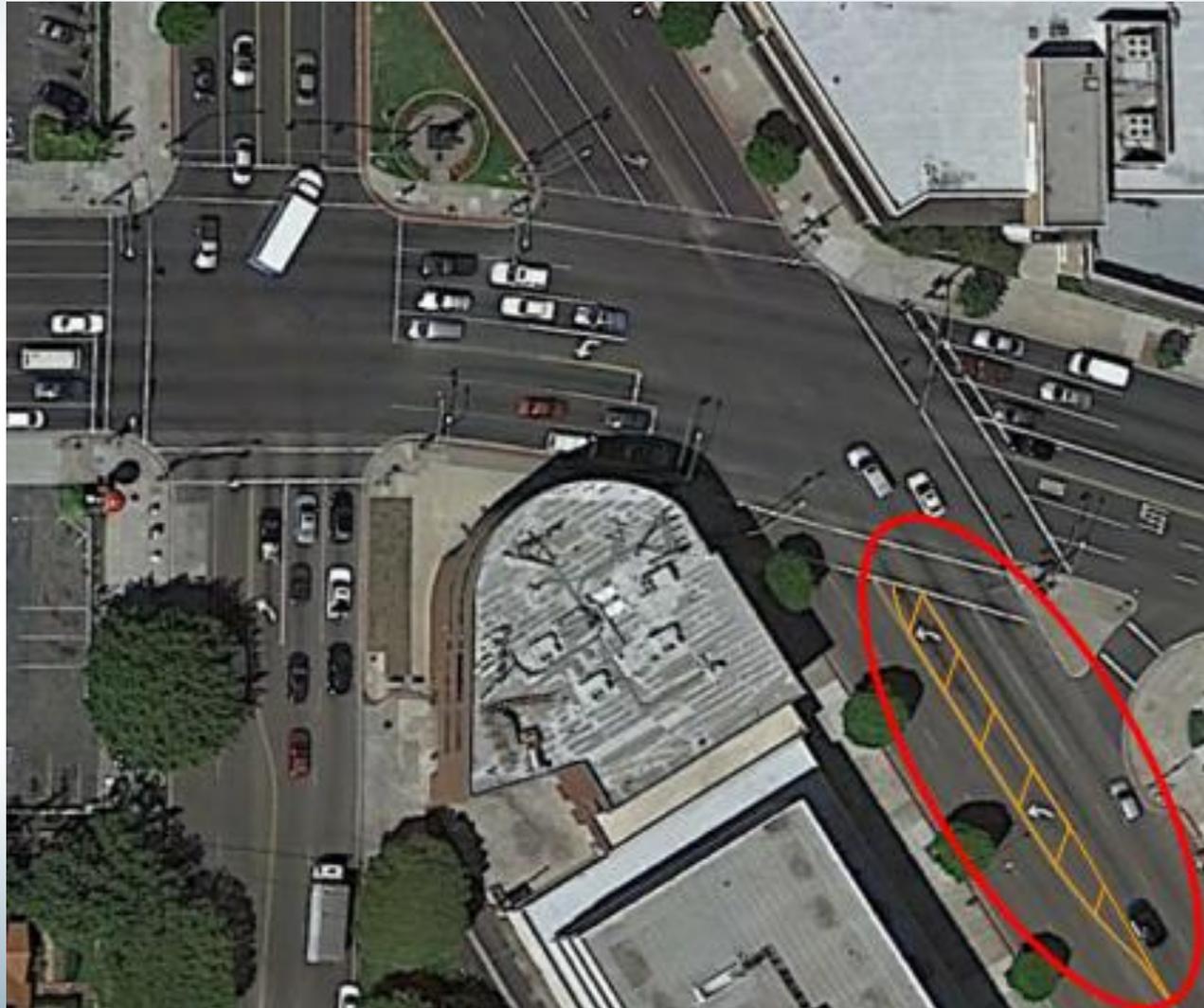


Olympic/Beverly/Beverwil

- Fehr & Peers developed four scenarios of improvement options
- Improvement options are incremental up to full reconstruction of the intersection
- Staff seeks direction on conducting public outreach and environmental assessment on one or more scenarios



Scenario A





Scenario A

PROS

- Eliminates movement involved with 15% of collisions
- Reduces volume at intersection and improves operations
- Reduces demand for limited space between Beverwil and Beverly
- Low cost option

CONS

- Increases volume and delay along Pico
- Increases traffic on Beverwil
- Requires modification to Santa Monica Big Blue Bus Route 5



Scenario B





Scenario B

PROS

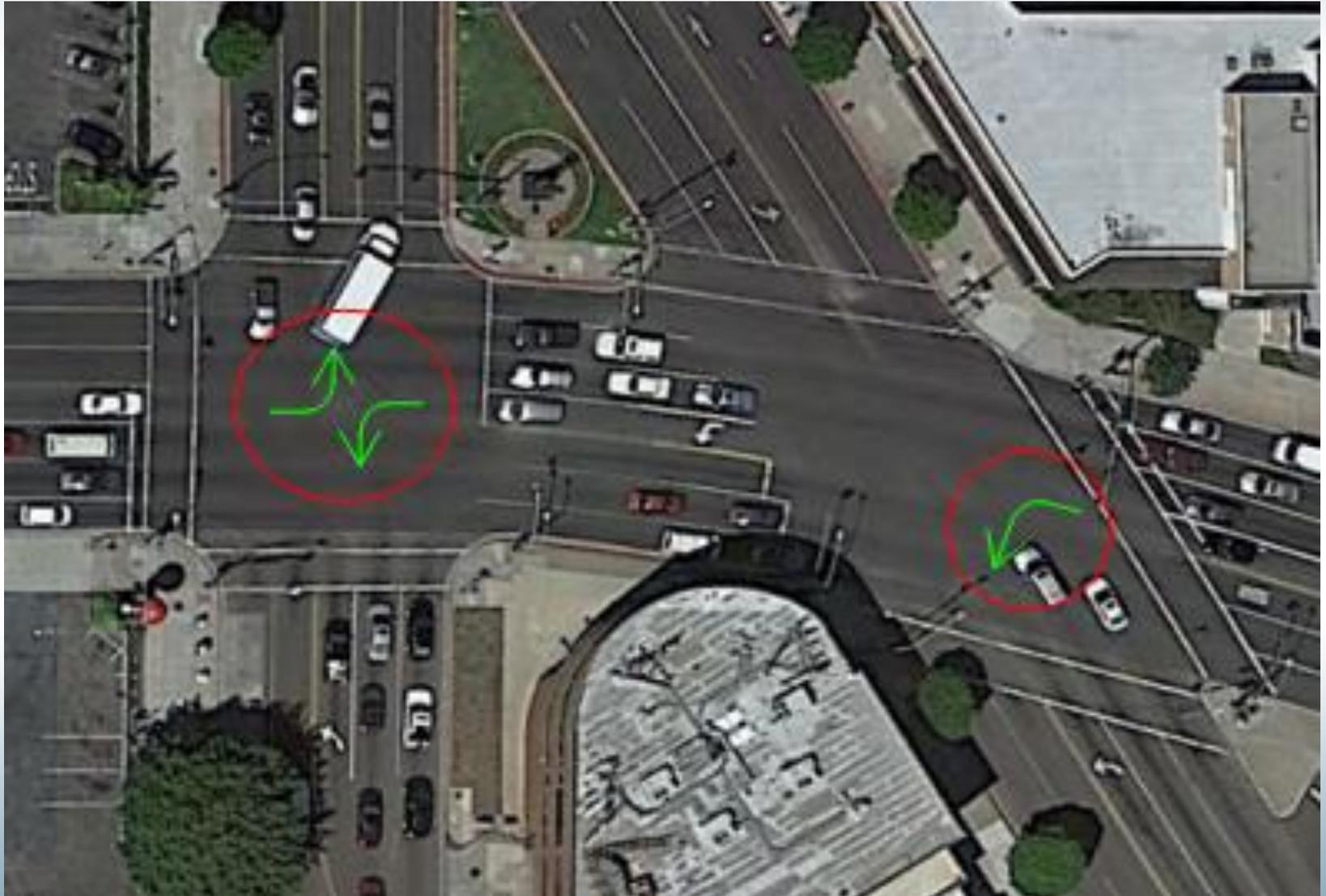
- Improves intersection operations
- Reduces demand for limited space between Beverwil and Beverly
- Decreases traffic on Beverwil
- Low cost option

CONS

- May increase traffic on other roadways, although very minimally



Scenario C





Scenario C

PROS

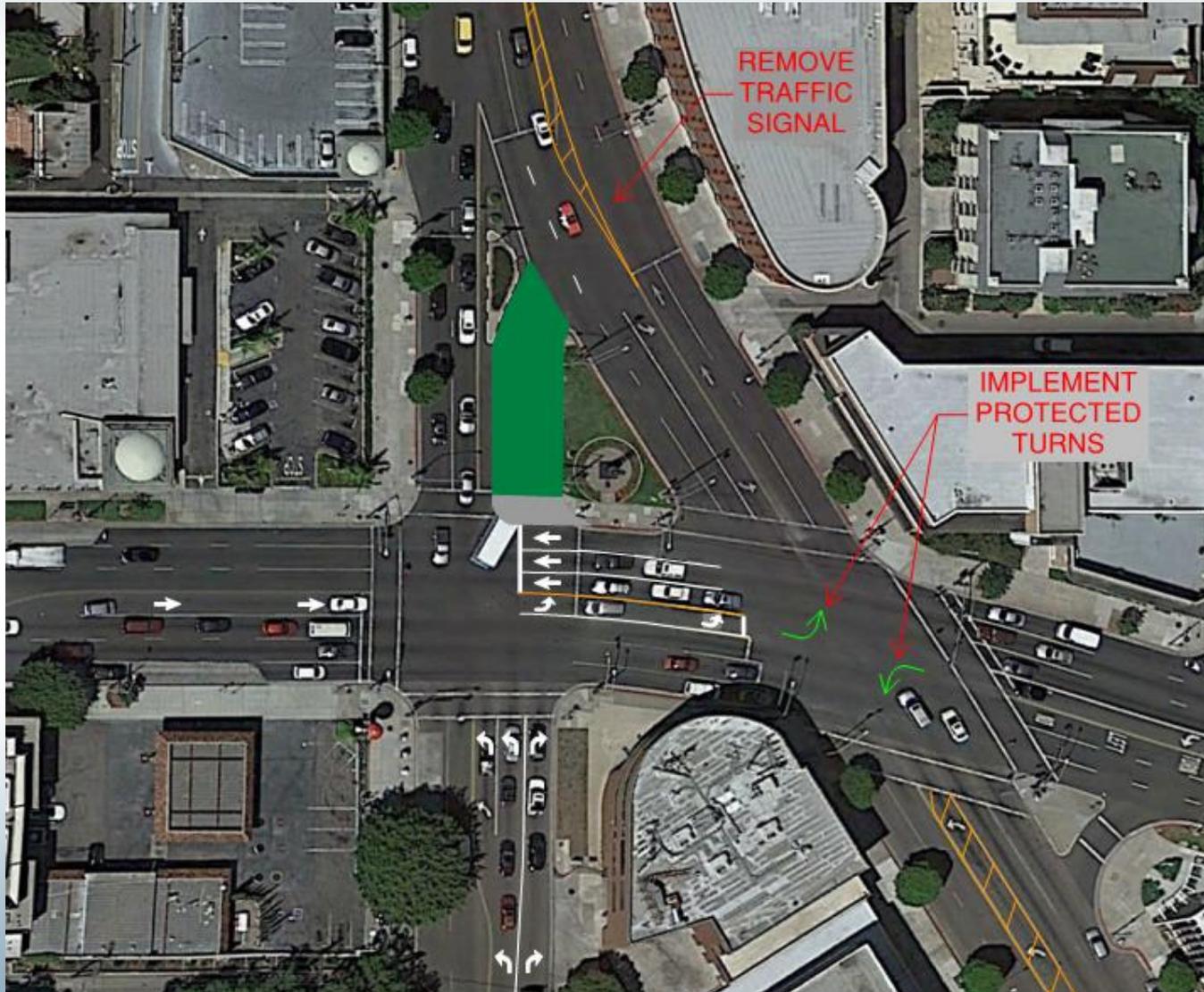
- Creates protection for turn movements that are involved in 25% of collisions
- Removes conflicts between pedestrians and left-turning vehicles

CONS

- Results in modest increase in average vehicle delay at the intersection
- Reduces pedestrian opportunities to cross
- Higher cost option



Scenario D





Scenario D

PROS

- Significantly reduces traffic levels on Beverwil
- Removes traffic signal at Beverwil/Beverly, reducing energy costs
- Simplifies intersection geometrics and reduces conflict points
- Improves intersection operations

CONS

- May increase traffic levels on other residential streets
- Degrades operations along Pico
- Requires modification to Santa Monica Big Blue Bus Route 5
- Highest cost option



Staff Recommendations:

- Proceed with scenarios A & B
- Hold public outreach at Traffic & Parking Commission meeting
- Conduct environmental assessment