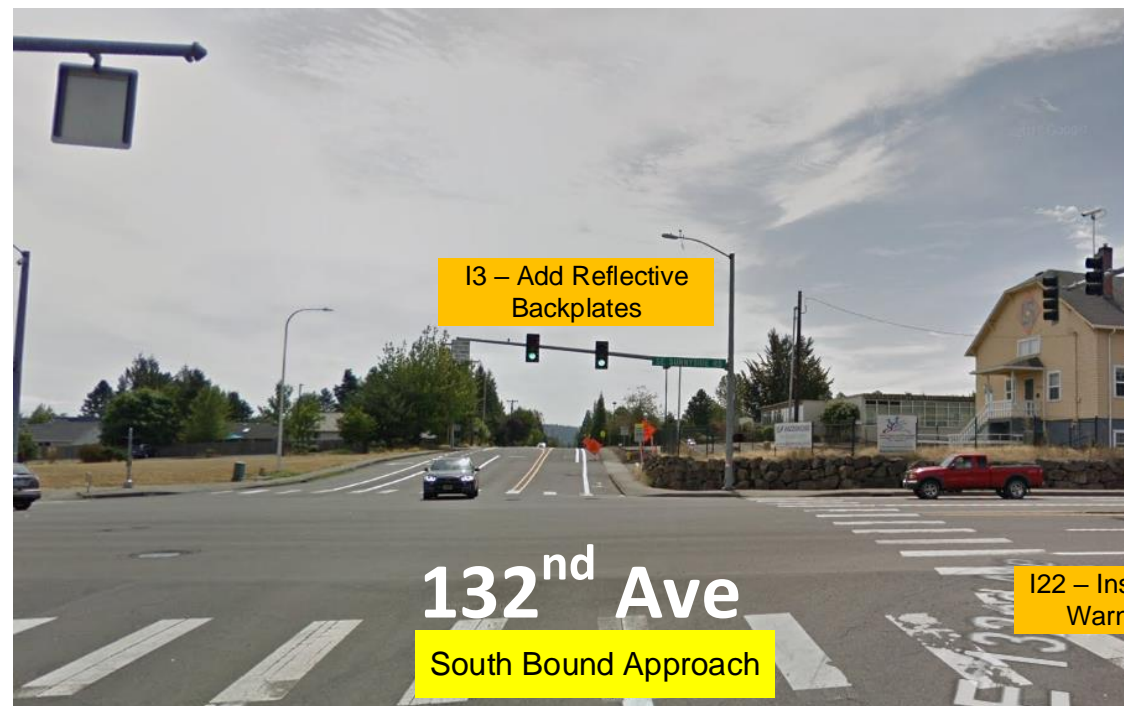
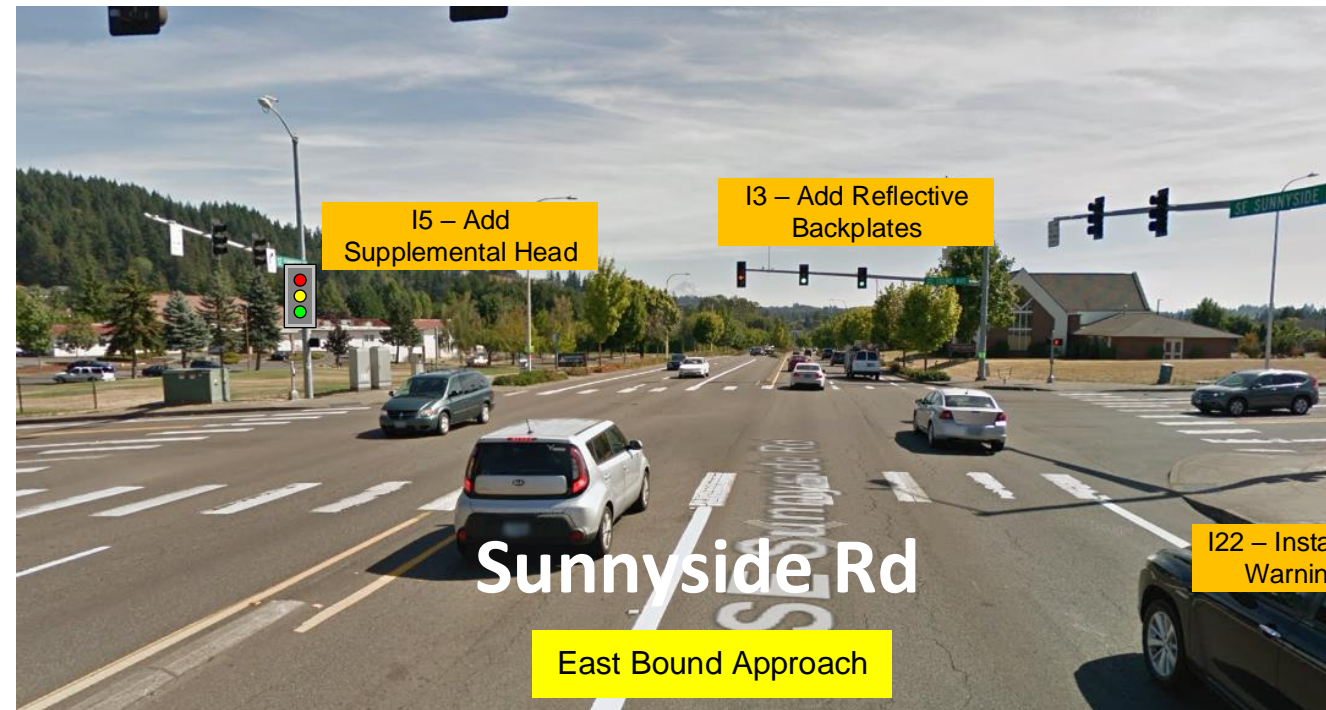
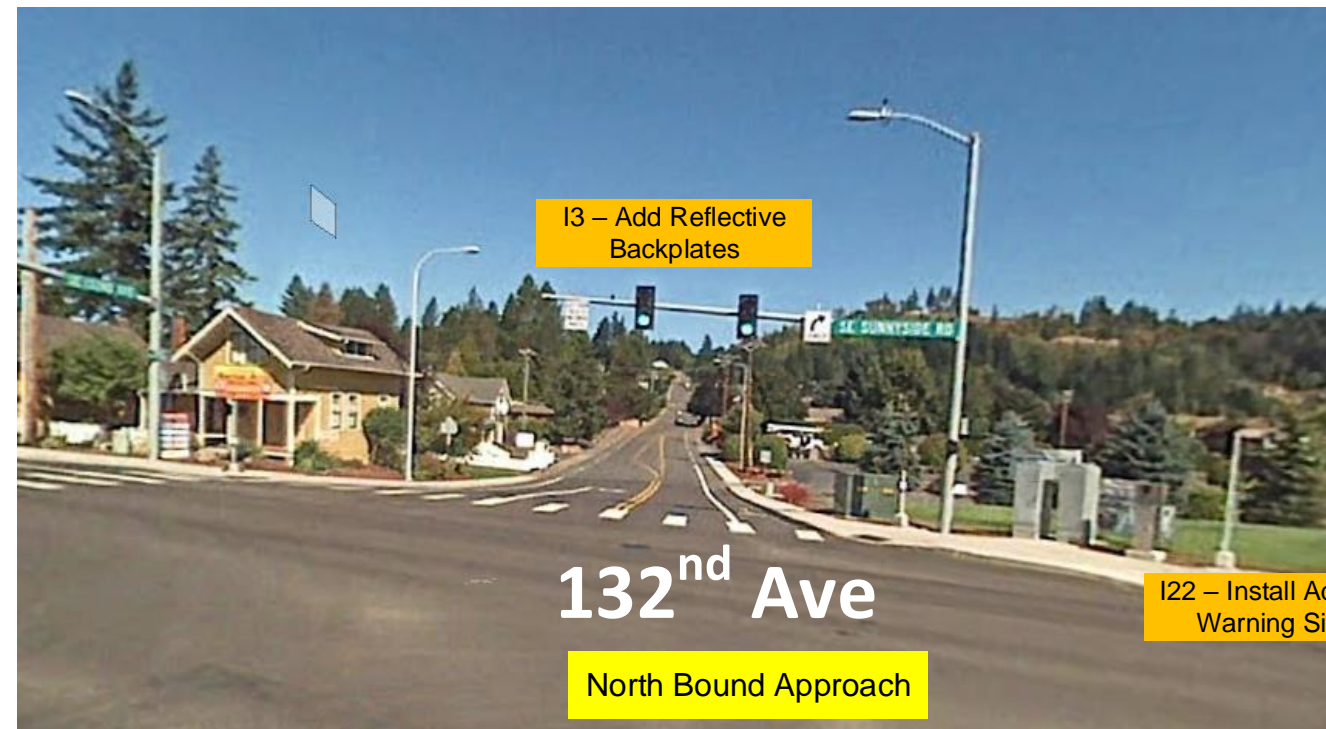


# SE Sunnyside Rd @ 132<sup>nd</sup> Ave

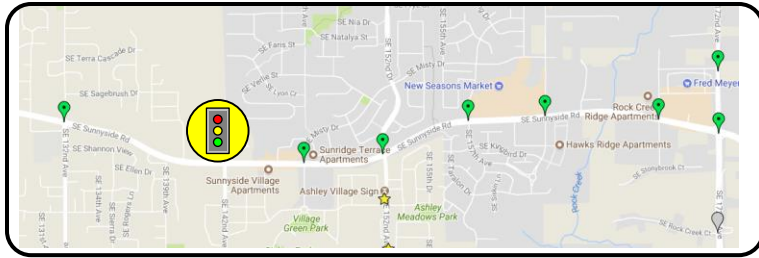
## Intersection Photos



I13 - Adaptive Signal Timing (Radar already present)

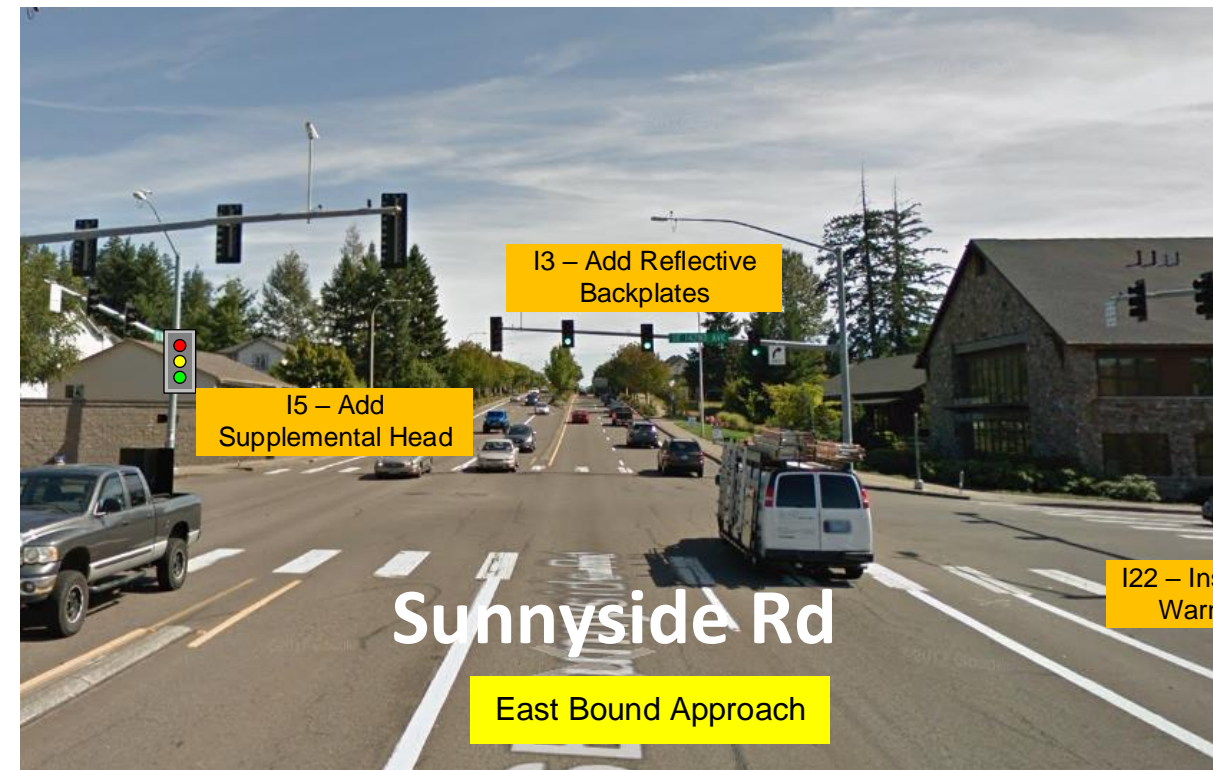




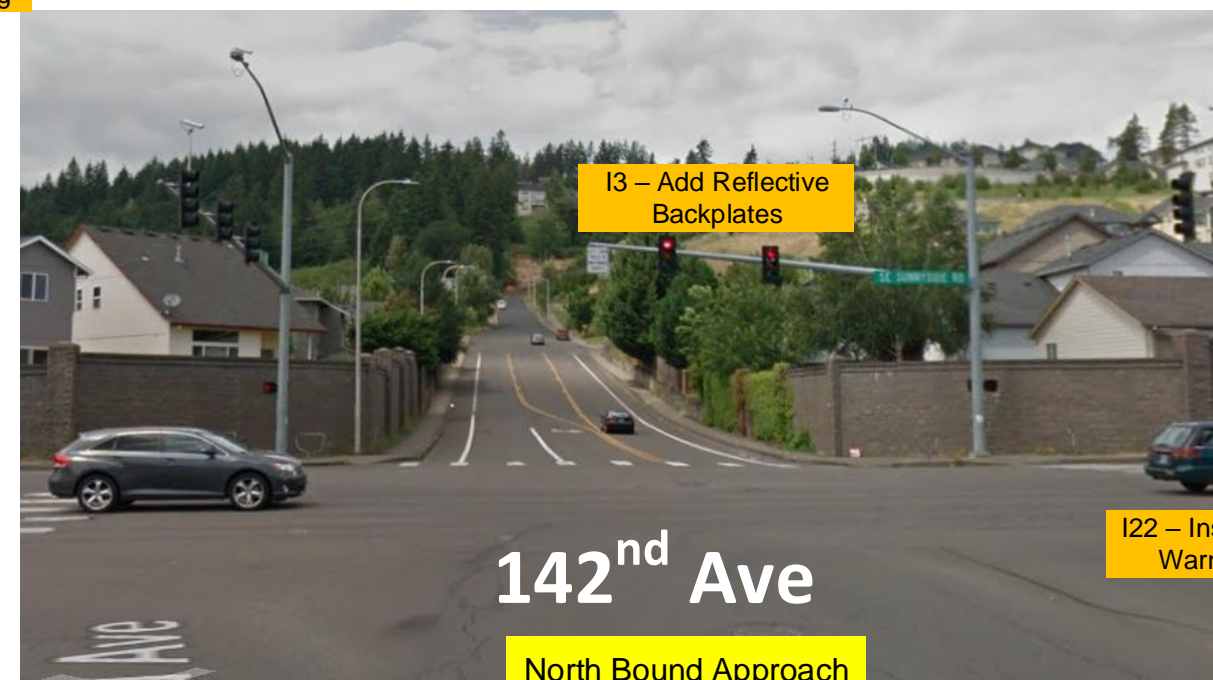


# SE Sunnyside Rd @ 142<sup>nd</sup> Ave

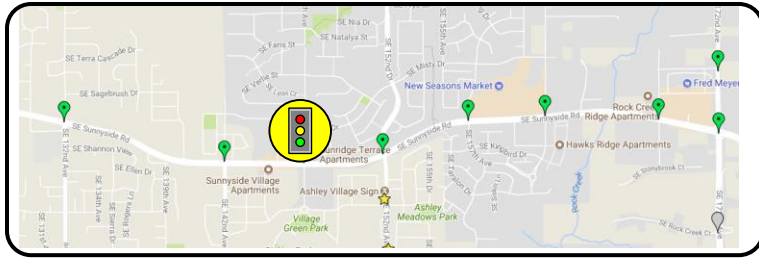
## Intersection Photos



I13 - Adaptive  
Signal Timing







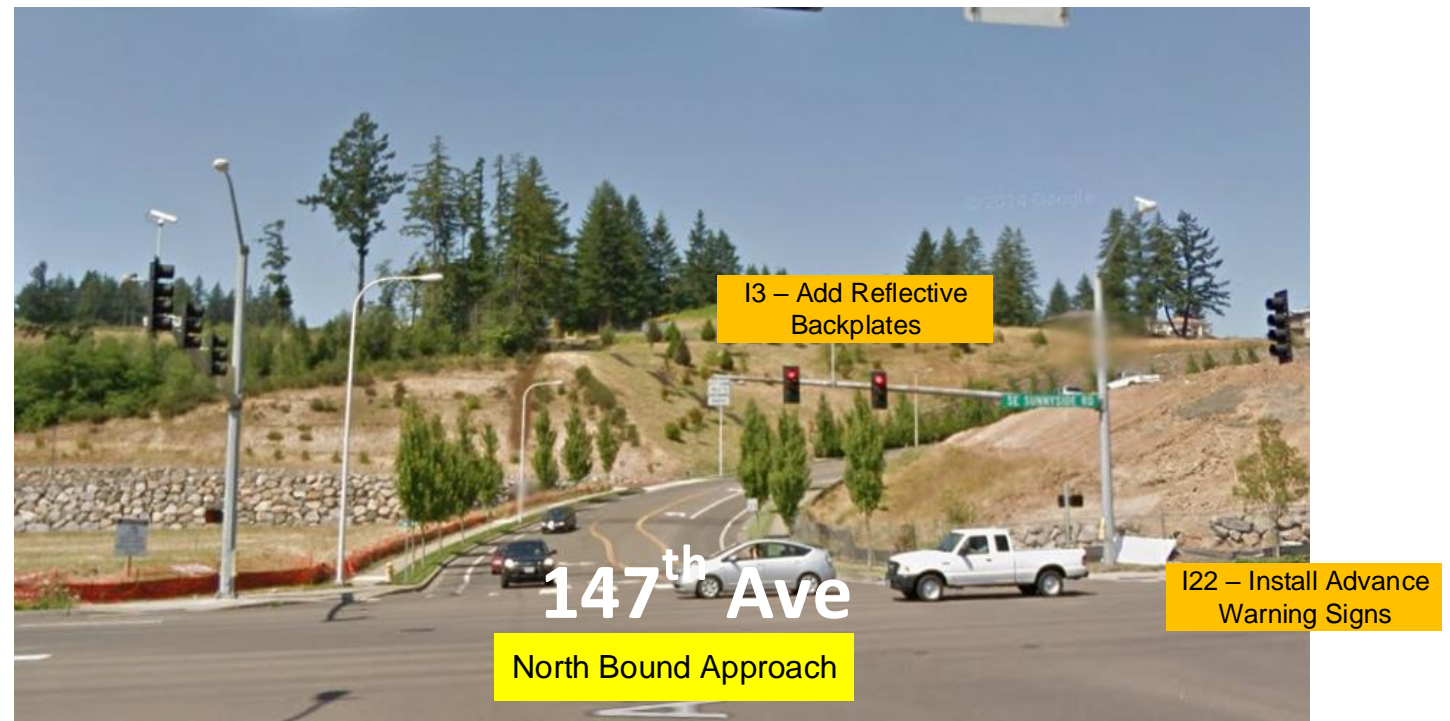
# SE Sunnyside Rd @ 147th Ave/ Misty Dr



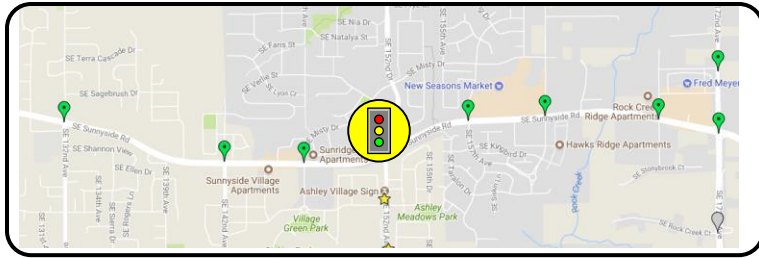
## Intersection Photos



I13 - Adaptive Signal Timing







# SE Sunnyside Rd @ 152<sup>nd</sup> Ave/Dr



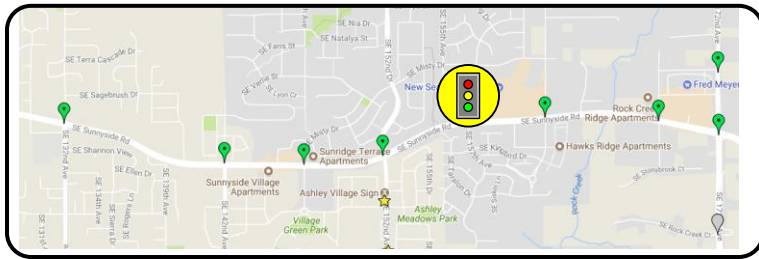
## Intersection Photos



I13 - Adaptive Signal Timing



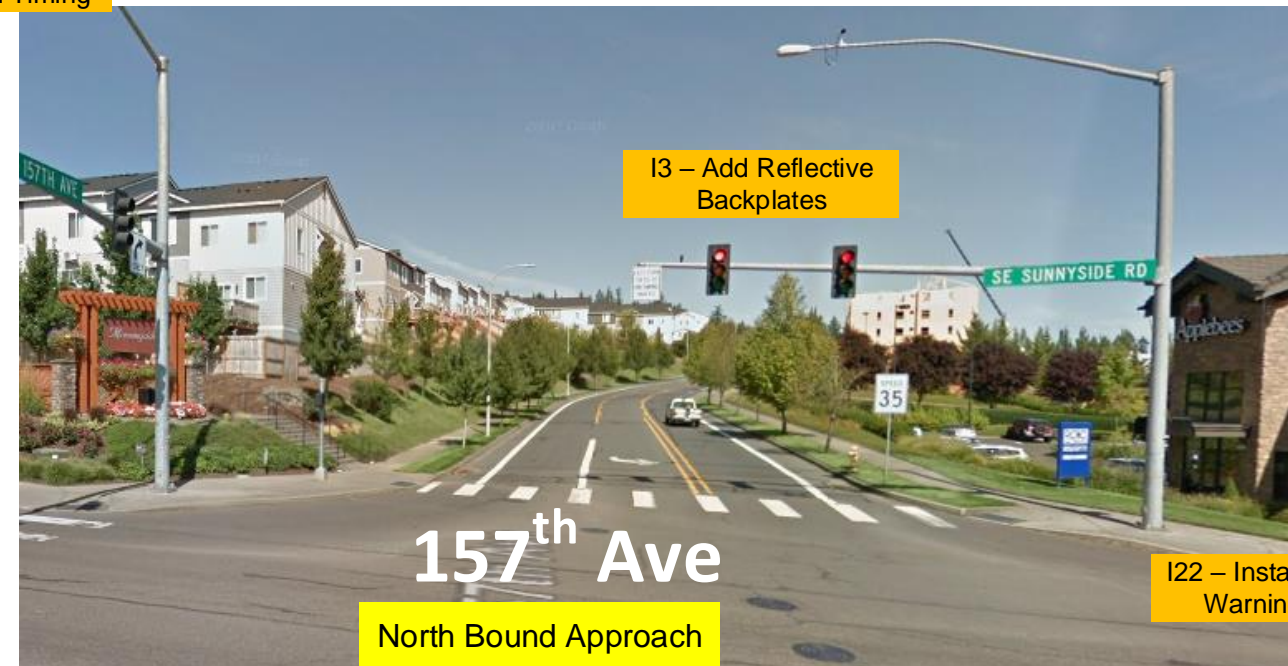
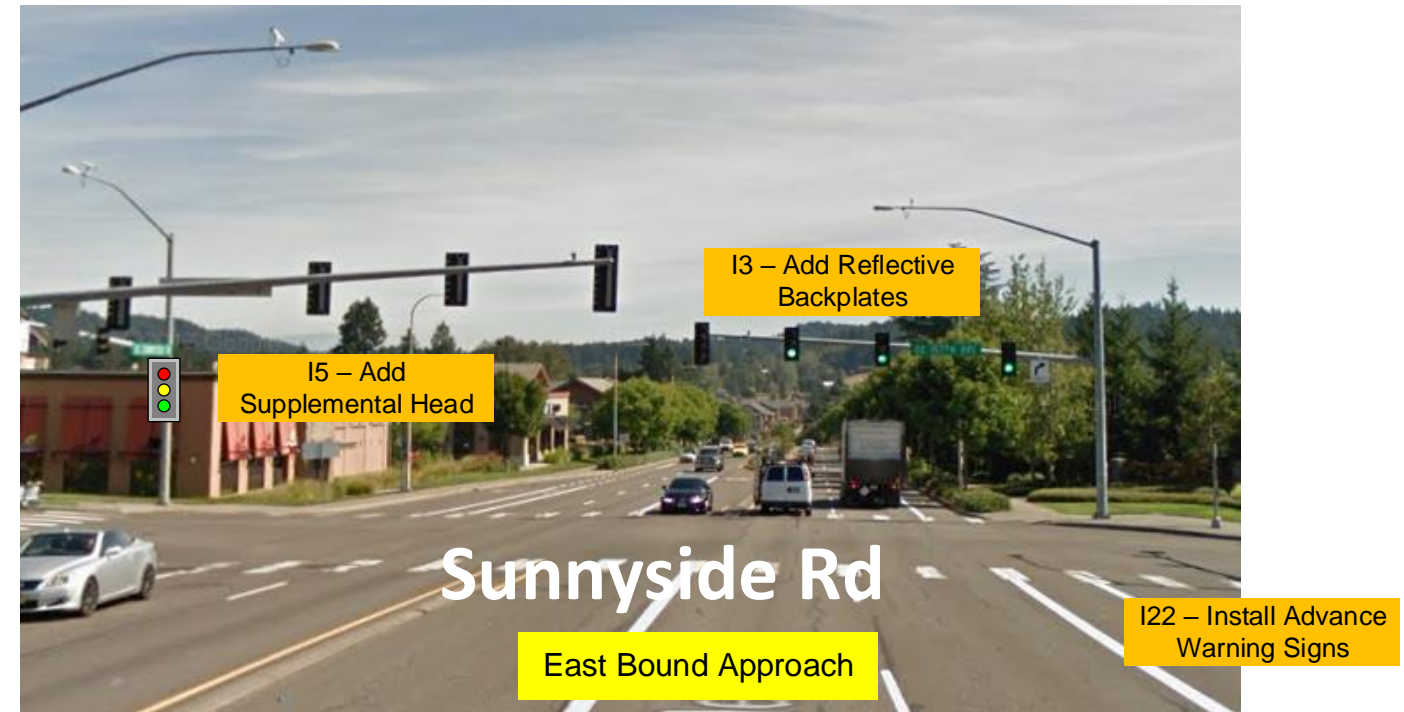




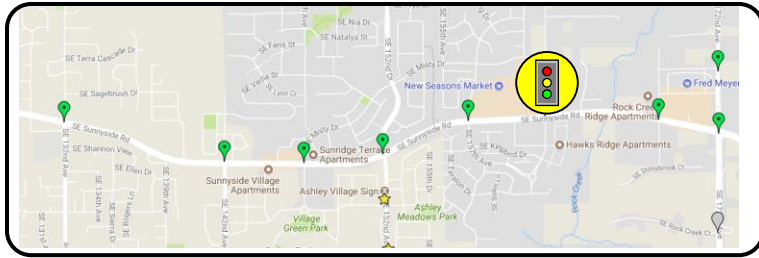
# SE Sunnyside Rd @ 157<sup>th</sup> Ave



## Intersection Photos



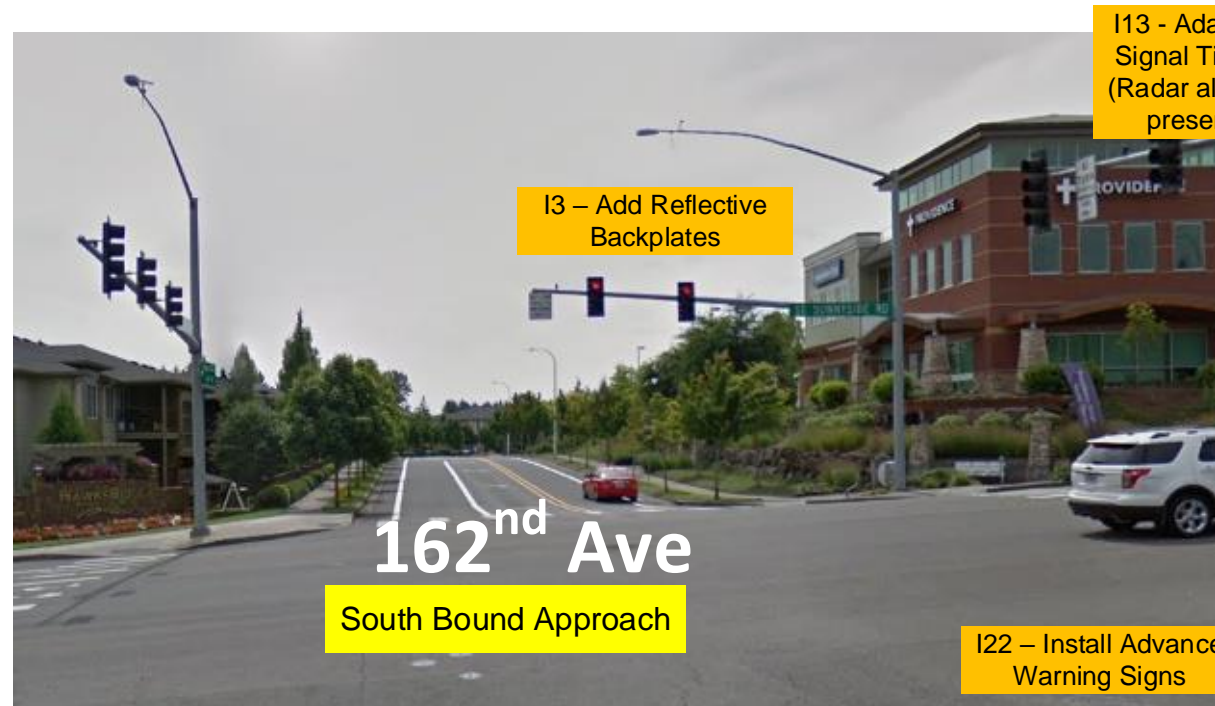
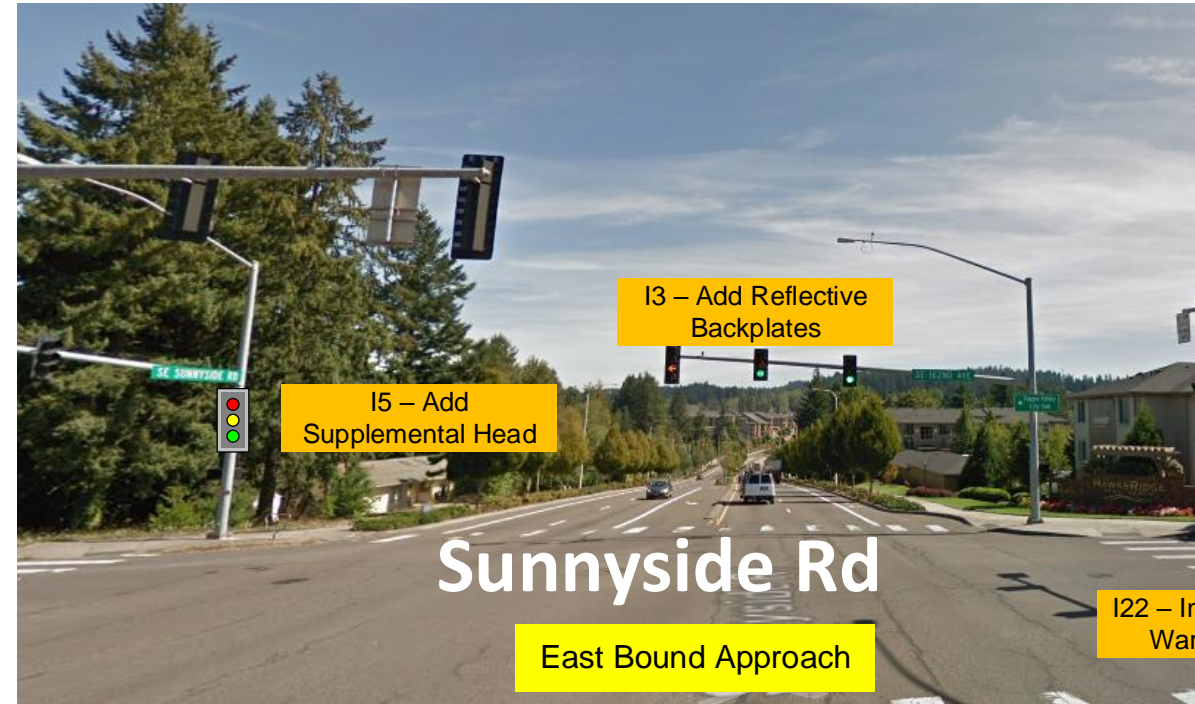




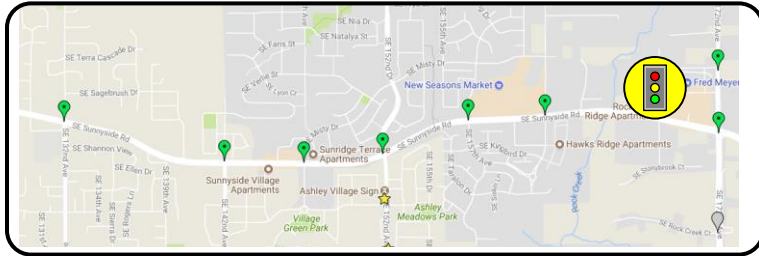
# SE Sunnyside Rd @ 162<sup>nd</sup> Ave



## Intersection Photos



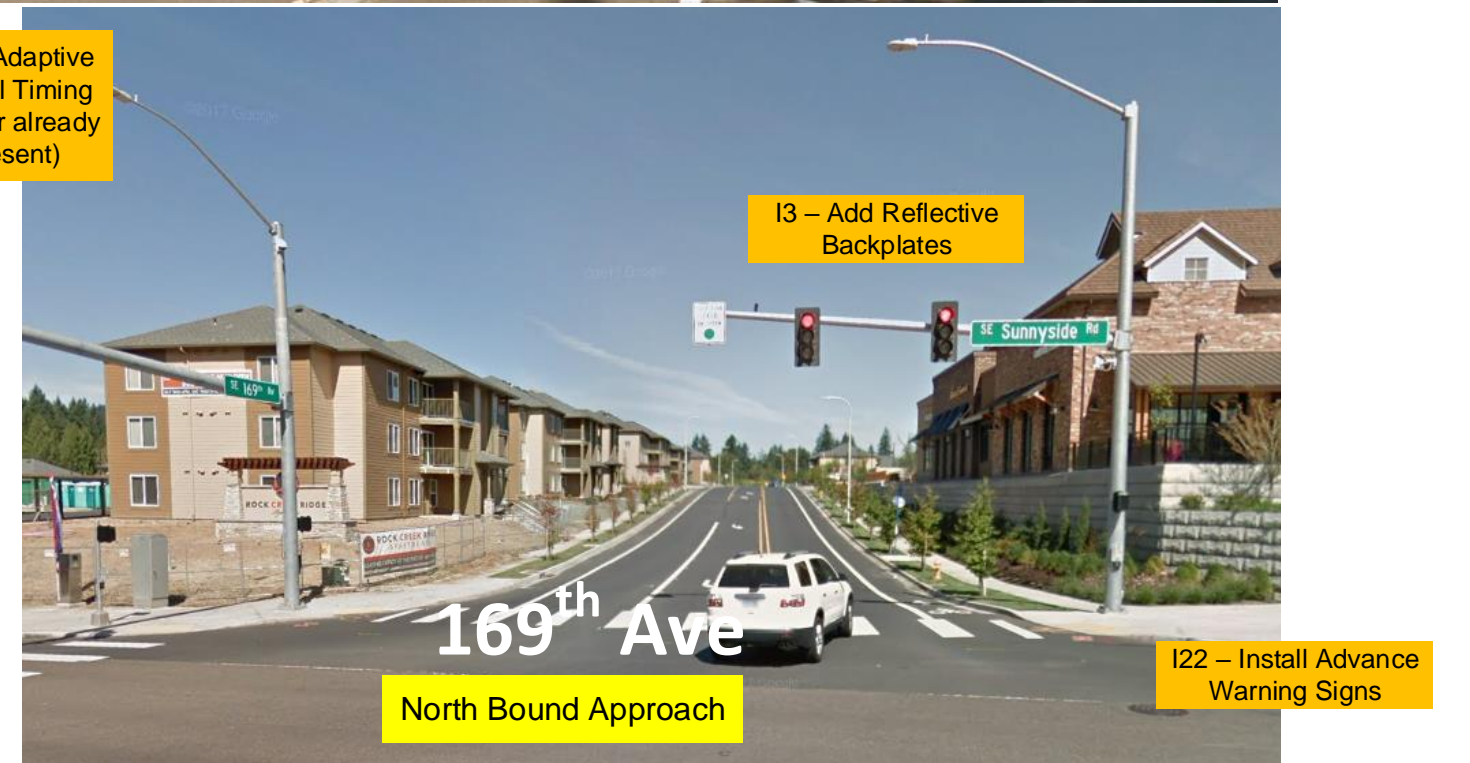
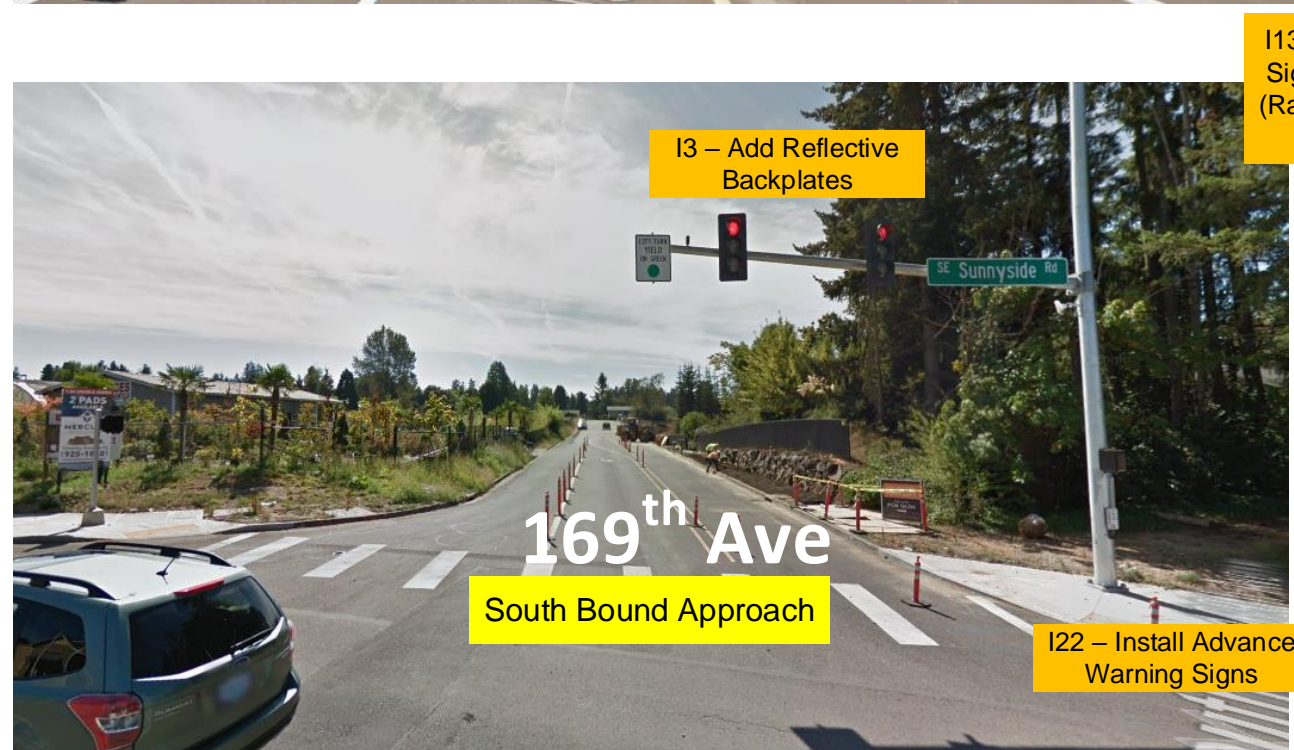
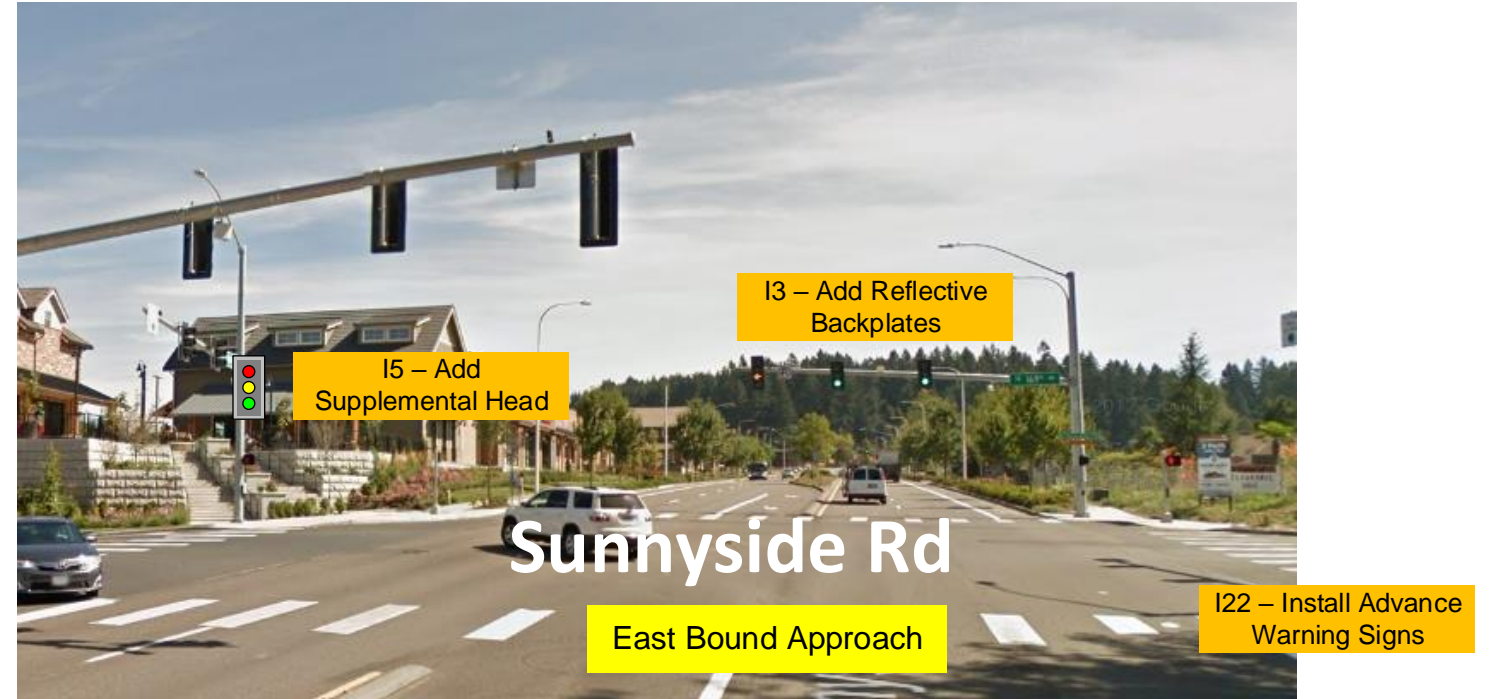




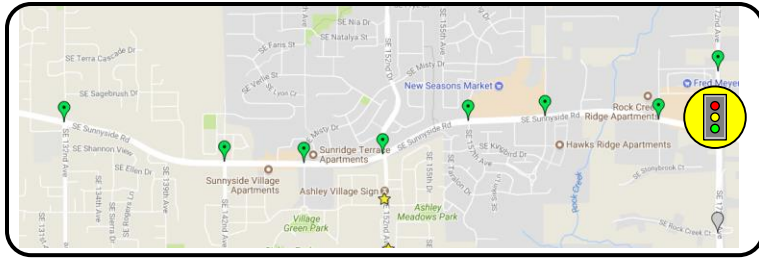
# SE Sunnyside Rd @ 169<sup>th</sup> Ave



## Intersection Photos



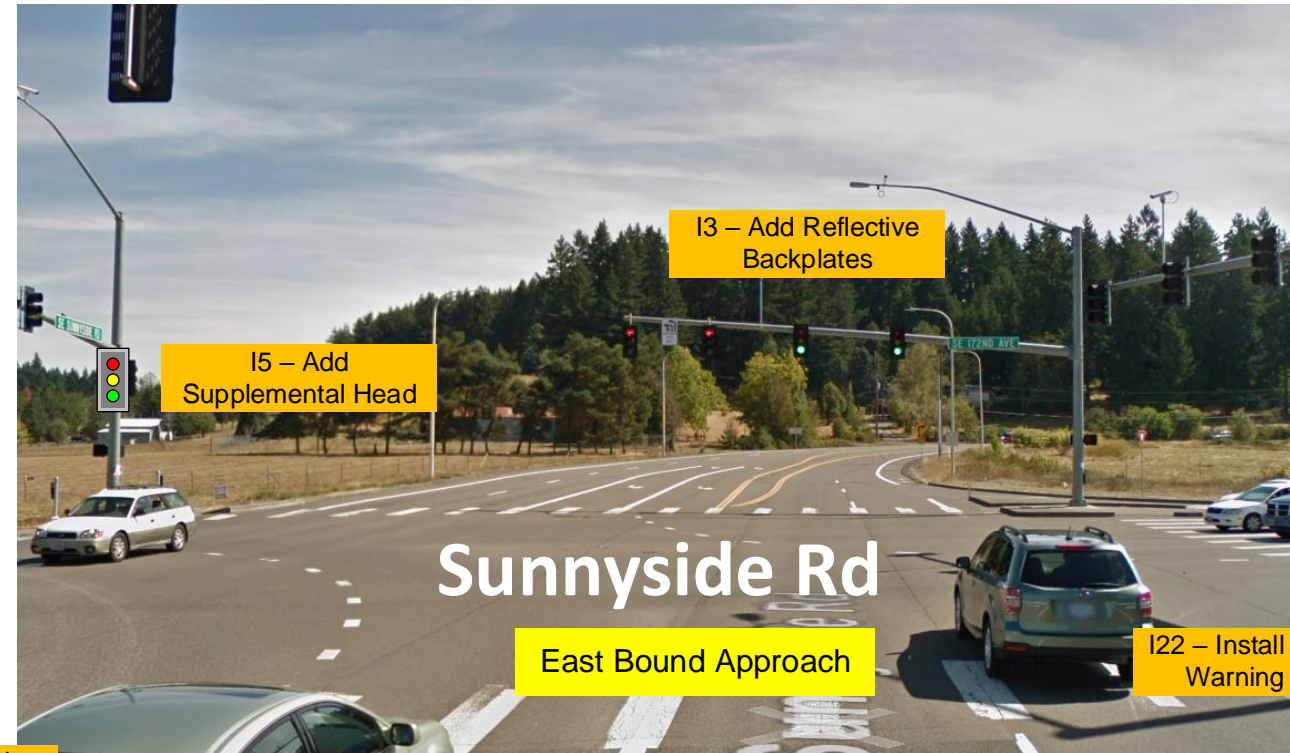




# SE Sunnyside Rd @ 172<sup>nd</sup> Ave



## Intersection Photos



113 - Adaptive Signal Timing





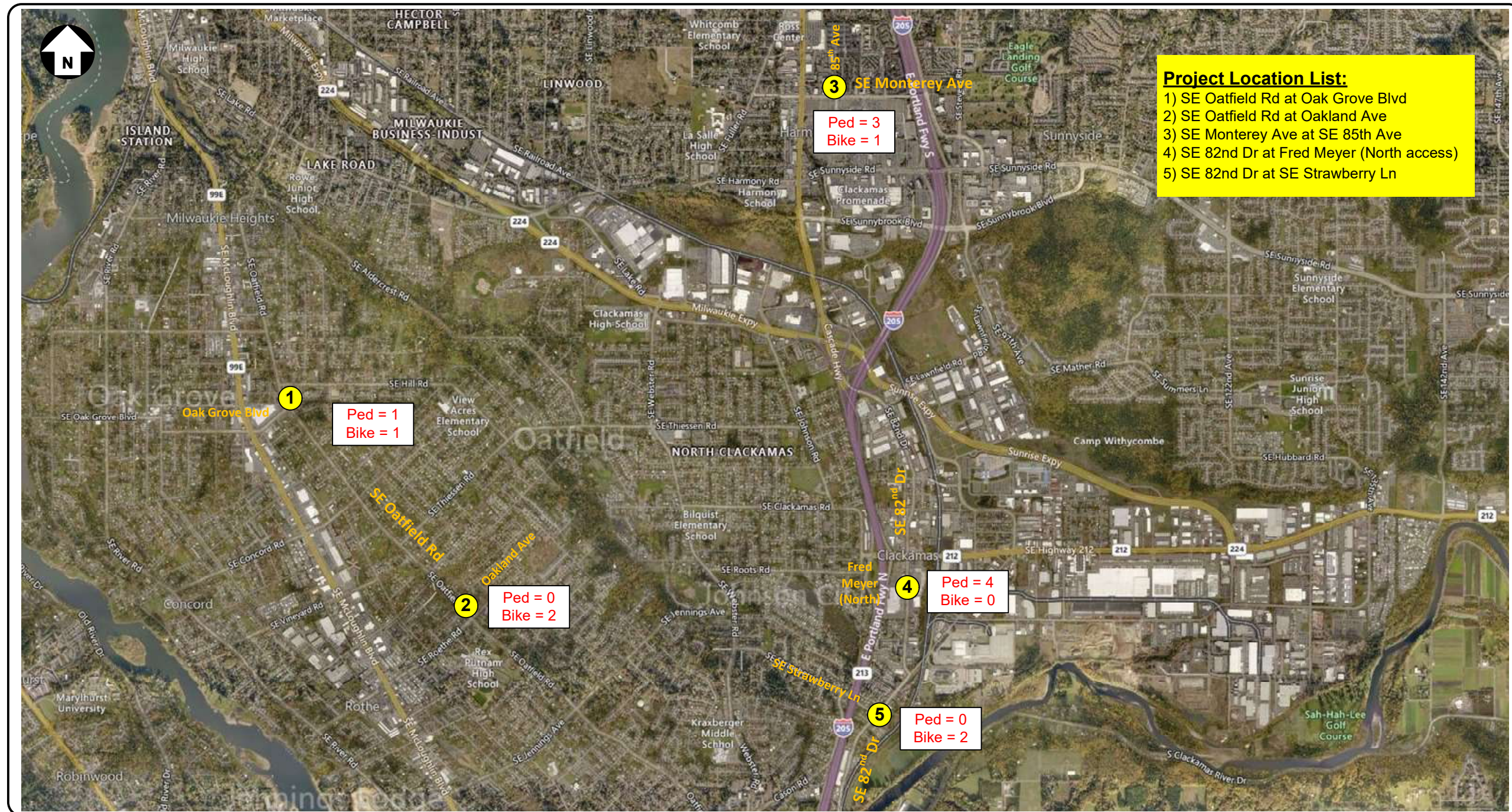
# Clackamas County

SE Oatfield Rd, SE Monterey Ave, and SE 82<sup>nd</sup> Dr



## ARTS Pedestrian and Bicycle Intersection Systemic Application

## Vicinity Map



# Intersection (Project) Locations



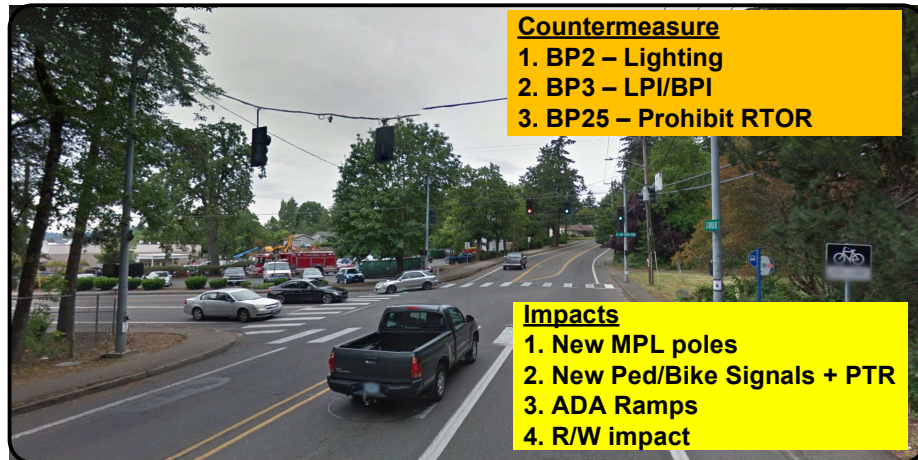
# Clackamas County

SE Oatfield Rd, SE Monterey Ave, and SE 82<sup>nd</sup> Dr

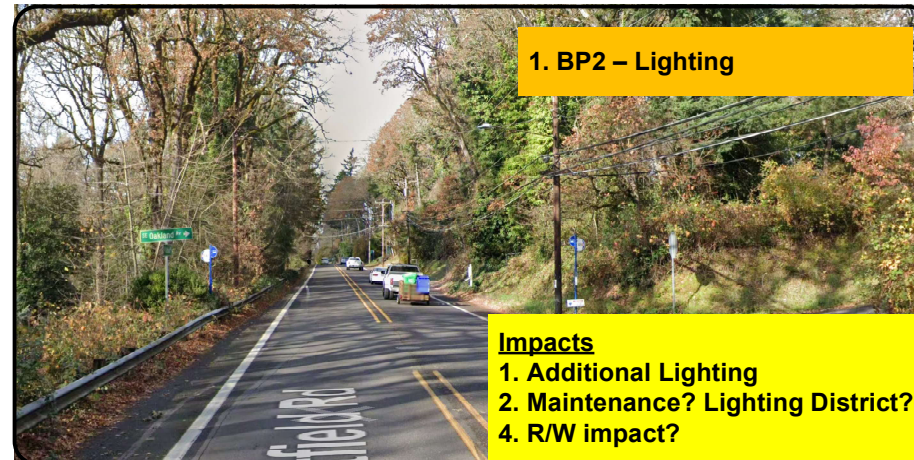


## ARTS Pedestrian and Bicycle Intersection Systemic Application

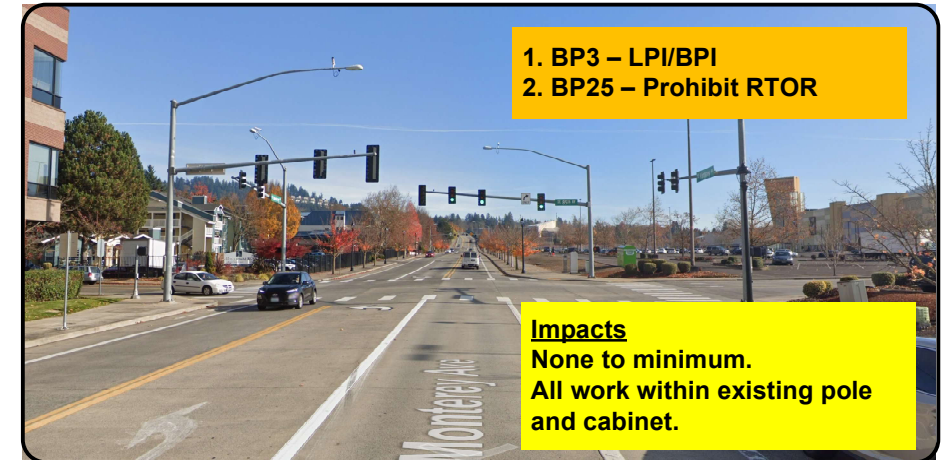
## Street-view Level Photos



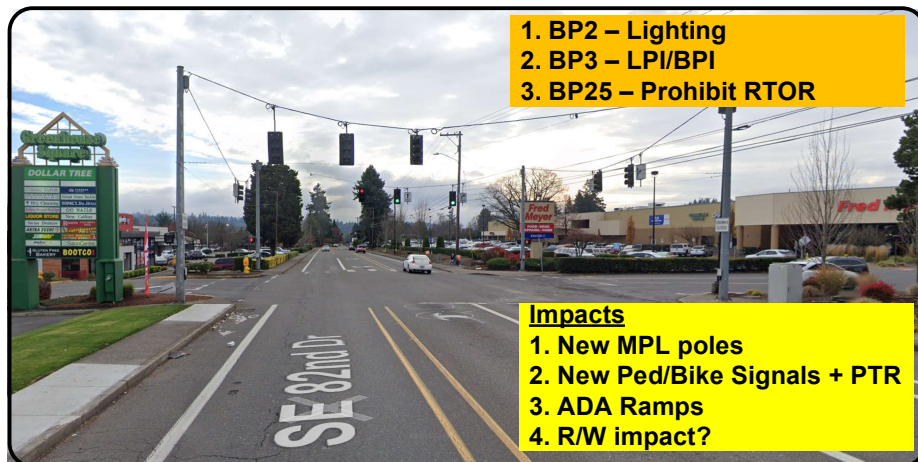
1. SE Oatfield Rd at Oak Grove Blvd  
(Ped = 1, Bike = 1)



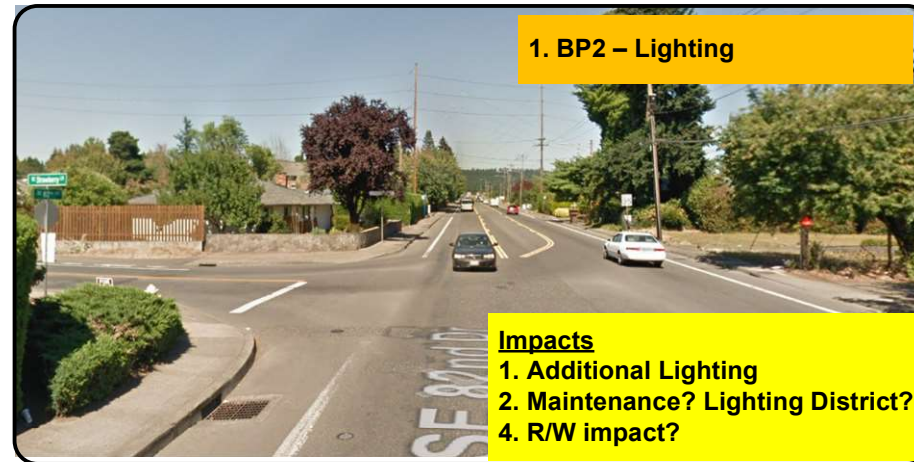
2. SE Oatfield Rd at Oakland Ave  
(Ped = 0, Bike = 2)



3. SE Monterey Ave at SE 85<sup>th</sup> Ave  
(Ped = 3, Bike = 1)



4. SE 82<sup>nd</sup> Dr at Fred Meyer (North access)  
(Ped = 4, Bike = 0)



5. SE 82<sup>nd</sup> Dr at Strawberry Ln  
(Ped = 0, Bike = 2)

Crash Reduction Factor (CRF) %	
1. BP2 - Lighting	(CRF 42%)
2. BP3 - LPI/BPI	(37%)
3. BP25 - Prohibit RTOR	(41%)

Item	Enter Monetary Values in this Column
Project Administration	\$50,000
Staff Costs (for Service/Educational Projects)	
Project Development and PE	\$150,000
Environmental Work	
Coordination and Outreach	
Leased Space	
Building Purchase and/or Right of Way	\$50,000
Capital Equipment	
<b>Non-Construction Project Costs Total</b>	<b>\$250,000</b>
Utility Relocation	
Construction	\$937,165
<b>Construction Project Costs Total</b>	<b>\$937,165</b>
<b>Total Eligible Project Cost*</b>	<b>\$1,662,031</b>
Non-Eligible Costs (other project non-transportation expenditures, e.g. un-reimbursable utilities)	

Total Project Cost =	\$1,662,031
<b>Cost-Effectiveness Index =</b>	<b>\$922,300 /Crash</b>

\* Includes 40% contingency