

A stylized graphic featuring a black mountain range silhouette on the left and a bright orange sun with black rays on the right, partially obscured by the mountain peaks. The background is a faded green-tinted photograph of a road with cars and trees.

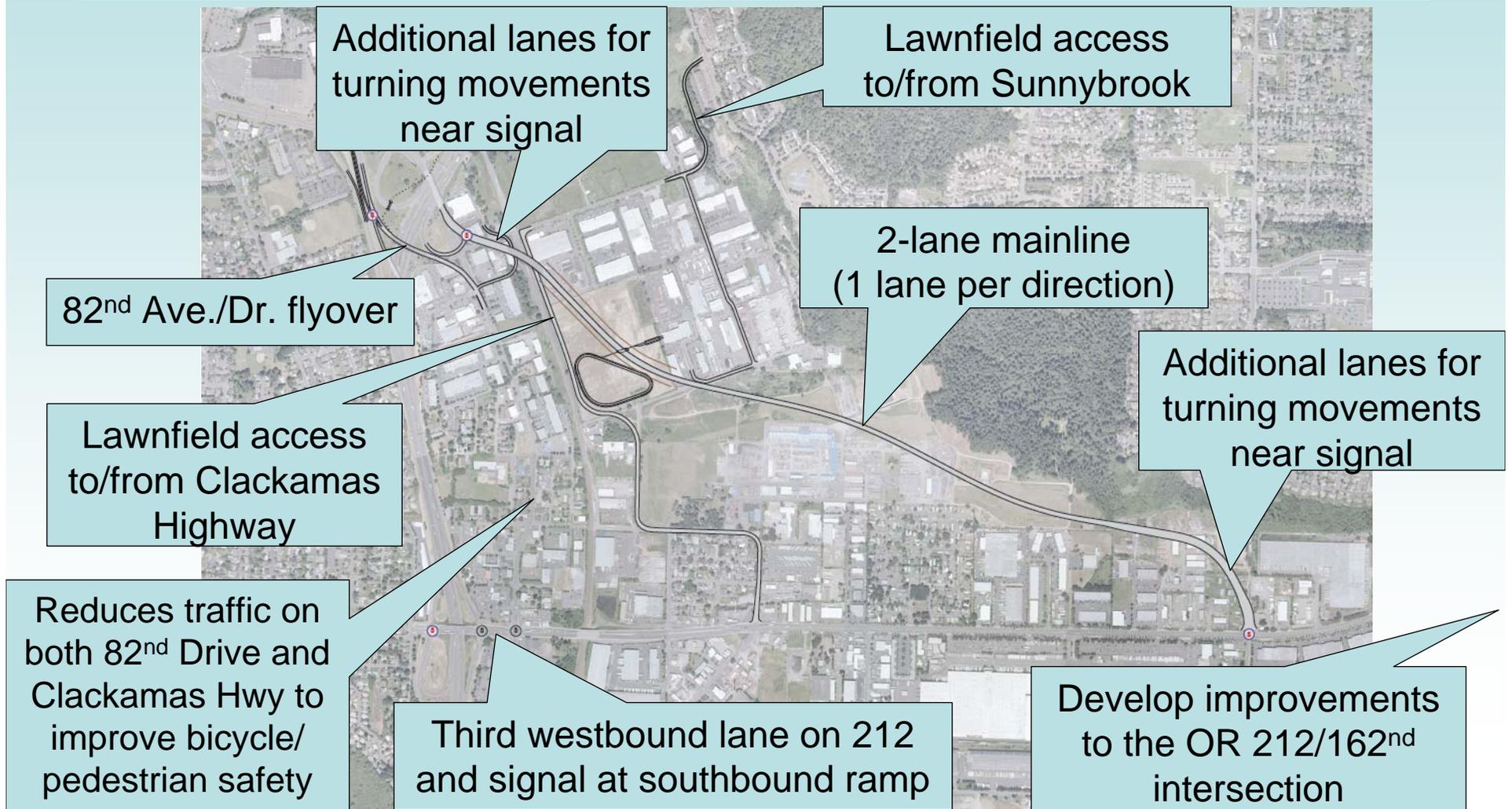
# Sunrise JTA Project

*Jobs and Transportation Act Improvements*

June 22, 2010



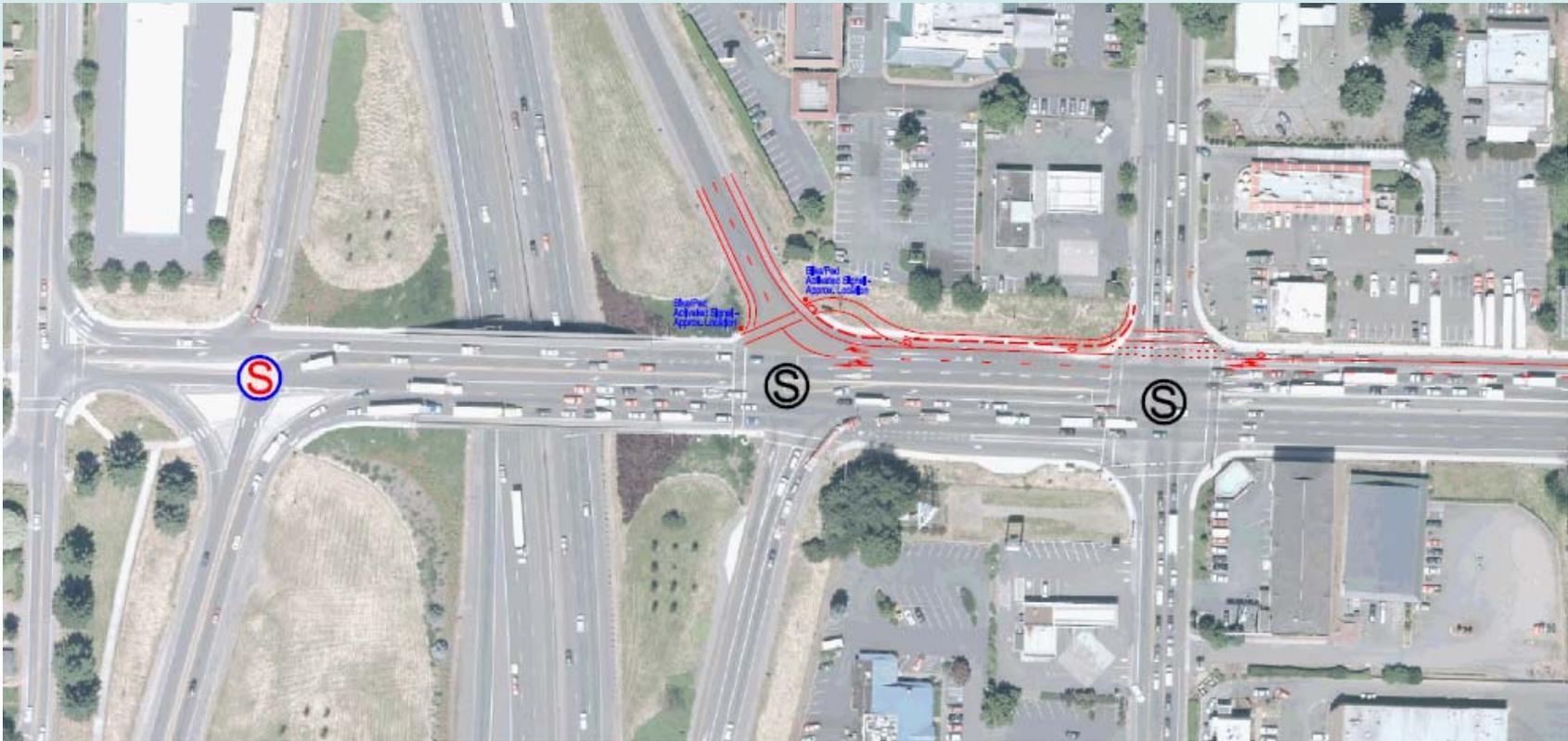
# Sunrise JTA Improvements



# Sunrise JTA Improvements

## 82<sup>nd</sup>. Dr. / OR 212/224 Improvements

- Restripe westbound OR 212 for additional travel lane
- Add traffic signal at I-205 ramp terminals west of I-205
- Adds bicycle/pedestrian activated signal at I-205 ramp

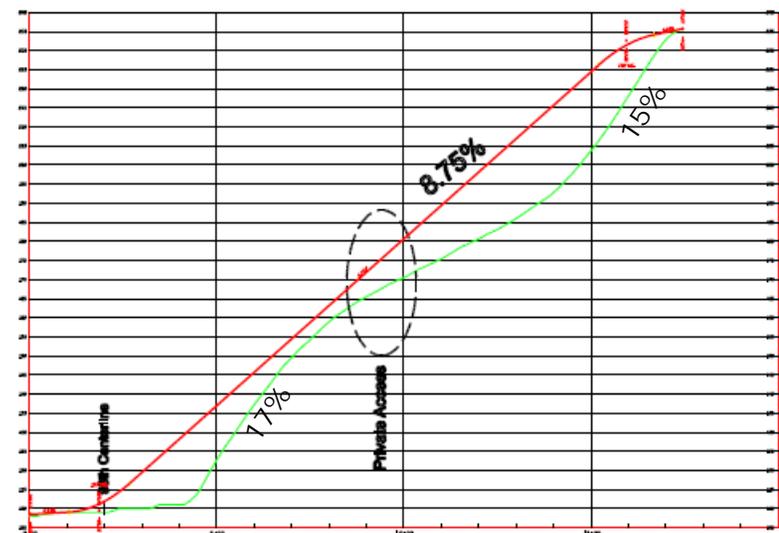


# Sunrise JTA Improvements

## Lawnfield Road Grade Improvements



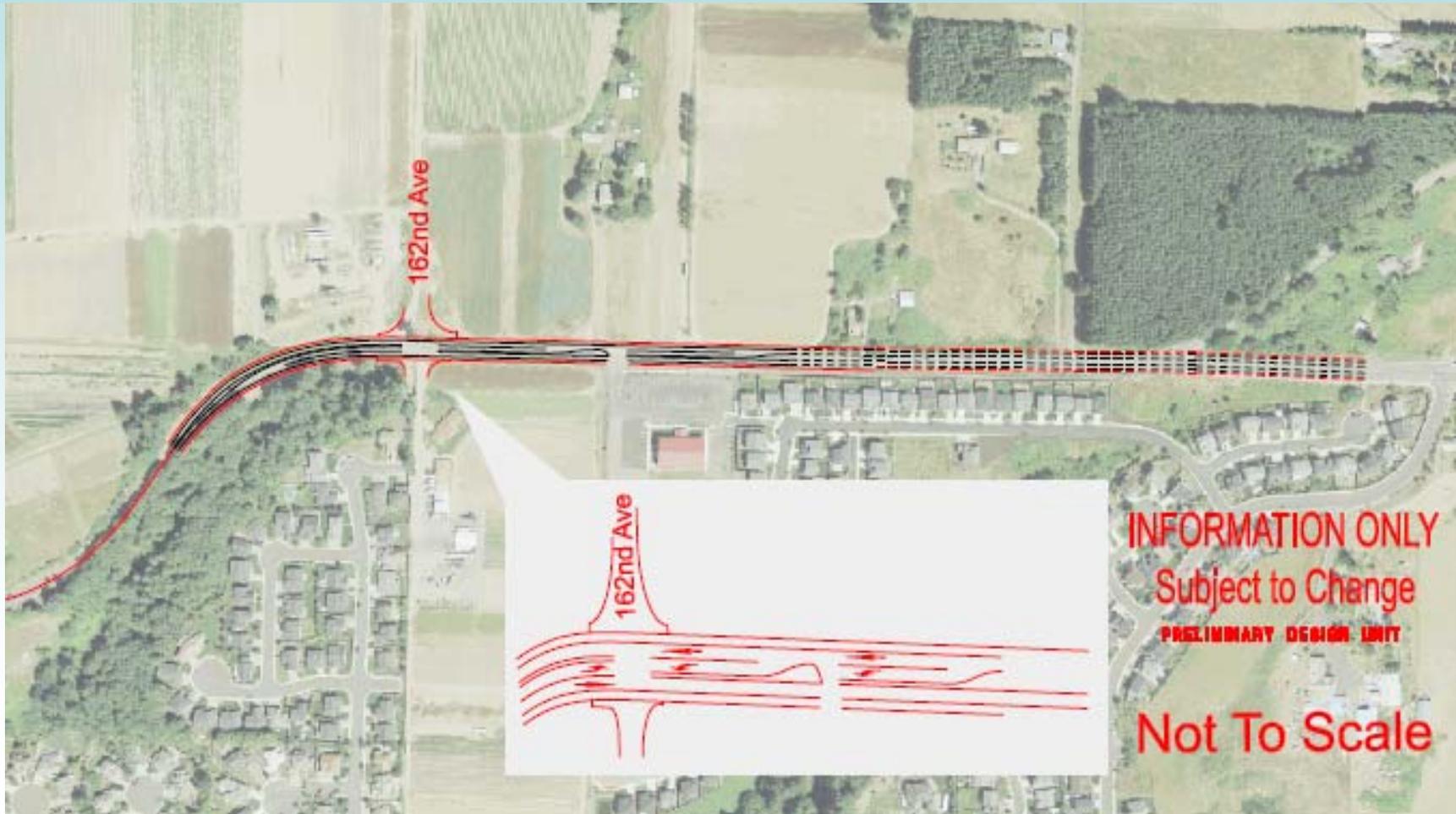
- Existing 17% grades improved to 8.75%, within AASHTO Guidelines.
- Grade at intersection with 97<sup>th</sup> Avenue improved from 8% to 2%



Revised Lawnfield Alignment

# Sunrise JTA Improvements

## 162<sup>nd</sup> Ave. Left Turn Lane Preliminary Engineering



# Sunrise JTA Improvements Transportation Findings

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Compared to No-Build, Sunrise JTA Improvements :

- Provide enhanced regional and local mobility and connectivity.
- Attract about 19,600 daily users onto new roadway from area roads.
- Provide significant congestion relief on OR 212, I-205 and 82<sup>nd</sup> Drive.
- Enhance the bicycle and pedestrian environment with new shoulder bikeways, sidewalks, and removal of over 3000 daily cars from 82<sup>nd</sup> Drive and over 9000 cars from Clackamas Highway

(Based on year 2020 PM peak hour traffic forecast)



# Sunrise JTA Improvements Mobility Summary

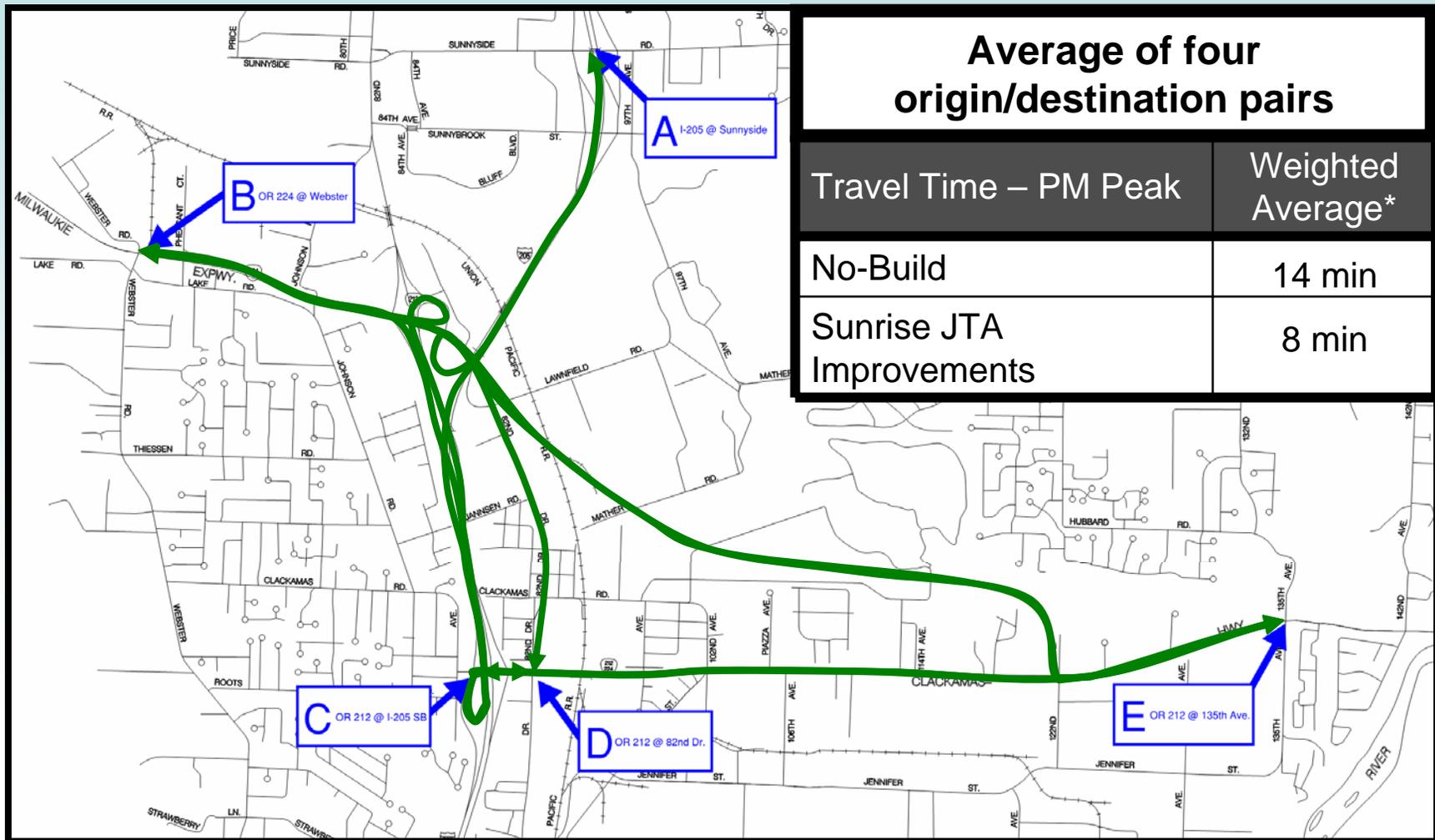
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## JTA Improvements compared to No-Build

Performance Measure	No-Build	JTA Improvements
Avg. Speed (cars)	18 mph	26 mph <i>+8 mph (44%)</i>
Avg. Speed (trucks)	16 mph	23 mph <i>+7 mph (44%)</i>
Stopped Delay (cars)	930 hrs	530 hrs <i>-400 hrs (-43%)</i>
Stopped Delay (trucks)	54 hrs	33 hrs <i>-21 hrs (-39%)</i>

# Sunrise JTA Improvements

## Travel Time Summary



\* Weighted Average based on total vehicles traversing the origin-destination route (no partial routes included)

# Sunrise JTA Improvements Economic Summary of User Benefits

Preliminary cost of congestion estimates developed by ECO NW

Performance Measure	Sunrise JTA Improvements
Total Daily Vehicle Hours of Delay Reduced	Autos – 3,720 Trucks – 200
Total Annual Vehicle Hours of Delay Reduced	Autos – 930,000 Trucks – 50,000
Total Annual Benefit in 2020 of Reduced Delay	\$22.5 million (2010 dollars)

Preliminary calculations assume annual weekday travel only

# Sunrise JTA Project



**Questions and Discussion  
at the stations around the room**

