

Eastside Corridor Independent Traffic and Revenue Study

presented to

Washington State Transportation Commission

presented by

Cambridge Systematics, Inc.

May 18, 2011

What is the legislative directive?

- **The transportation commission shall retain appropriate independent experts and conduct a traffic and revenue analysis for the development of a forty-mile continuous express toll lane system that includes state route number 167 and Interstate 405. The analysis must include a review of the following variables within the express toll lane system:**
 - » **Vehicles with two or more occupants are exempt from payment;**
 - » **Vehicles with three or more occupants are exempt from payment;**
 - » **A variable fee; and,**
 - » **A flat rate fee.**

Scoping phase

Approach and progress

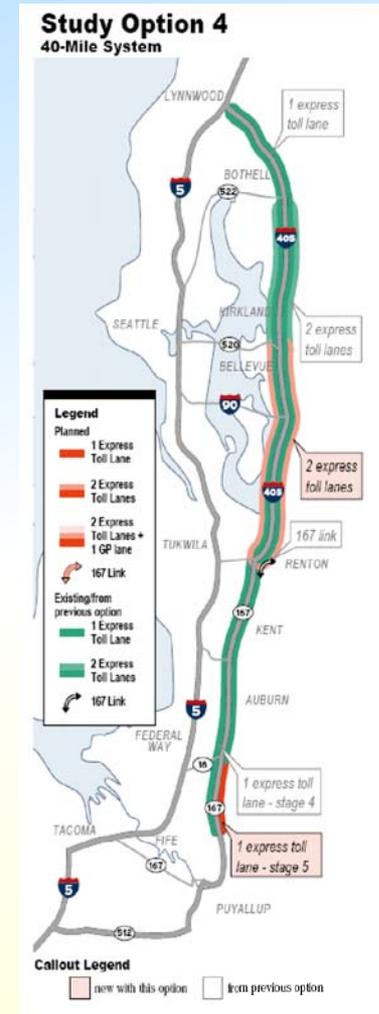
- **Meet with WSDOT and PSRC**
- **Meet with four corners of legislature transportation committees**
- **Develop an approach that:**
 - » **Answers the legislature's questions**
 - » **Provides findings by October 2011**
 - » **Builds upon past and ongoing data collection as long as our analysis remains independent**

Questions to answer

- **Are express toll lanes a workable solution in the I-405/SR167 corridor?**
- **What range of revenue will they generate?**
- **How will express toll lanes impact traffic operations?**

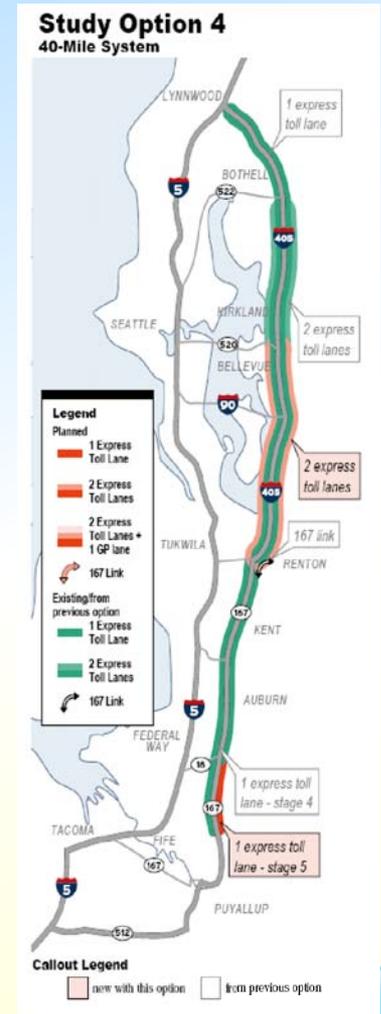
What will CS Study?

- **WSDOT's Option 4: 40+ mile system (2 phases)**
 - » **Occupancy requirements:**
 - HOV 2+ travels free
 - HOV 2+ travels at a discounted rate
 - HOV 3+ travels free
 - » **Toll setting**
 - Dynamic pricing (based on actual traffic conditions)
 - Variable pricing (posted rates based on historical conditions)
 - Flat pricing (price is the same all day)
 - » **Operations comparisons (throughput)**
 - » **Revenue risk analysis**



Other questions

- **CS will NOT study:**
 - » Capital or operating costs
 - » Financial capacity
 - » Tolls on all lanes (not just express lanes)
 - » Other project options or geometric alternatives
- **Questions asked, but not in legislation (direction needed)**
 - » Add lanes, remove HOV, operate expanded corridor as general purpose



Preliminary Technical Approach

- Obtain and review data and models from WSDOT and PSRC
- Evaluate what can be reused or refined
- Obtain new data if needed
 - » Stated preference surveys
- Develop and test analytical tools for independent analysis
- Risk analysis for each scenario

Schedule

- **Final scope and budget: May 31**
- **Gross revenue: September 31st**
 - » **WSDOT incorporates into financial analysis**
- **WSTC briefing at October Commission meeting**
- **Draft report: November**
- **Final report: December**

Independent Traffic and Revenue Analysis of the Eastside Corridor HOT Lane Concept

presented to

Washington State Transportation Commission

presented by

Cambridge Systematics, Inc.

May 18, 2011