

Transportation Performance Overview

Portland/Vancouver
I-5 Transportation
and Trade Partnership

October 23, 2001
Task Force Meeting



Option Packages Evaluated

- Existing Conditions (2000)
- No Build
- Baseline
- West Arterial
- Express Bus/3 Lanes
- LRT/3 Lanes
- Express Bus/4 Lanes
- LRT/4 Lanes

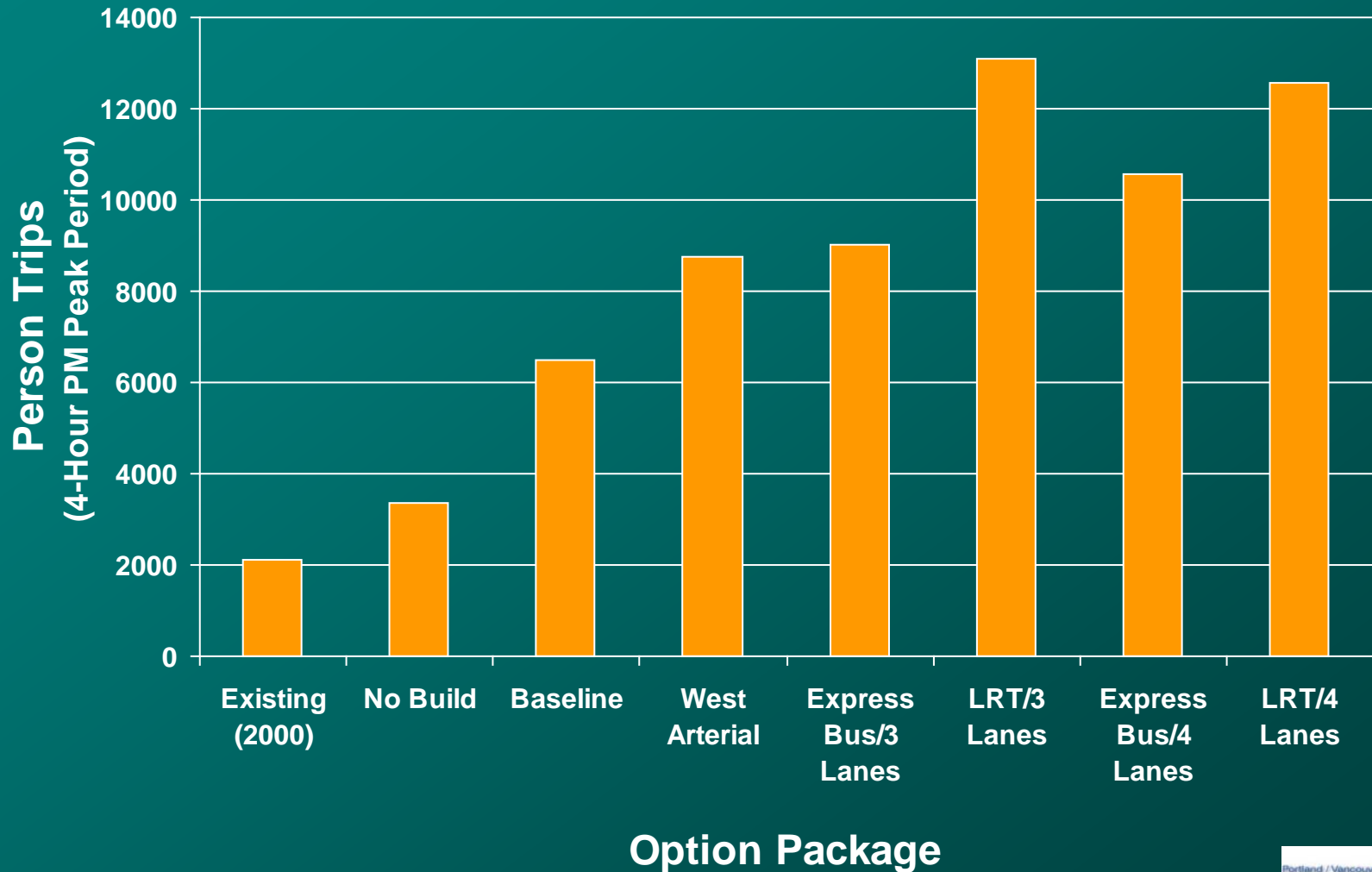
Methodology

- Correlated evaluation measures with model's available output
- "Built" networks for each option package: highway, transit, land use
- Modeled option packages and reviewed system and corridor results

Quiz: Match Each Item's Estimated Increase Over the Next 20 Years

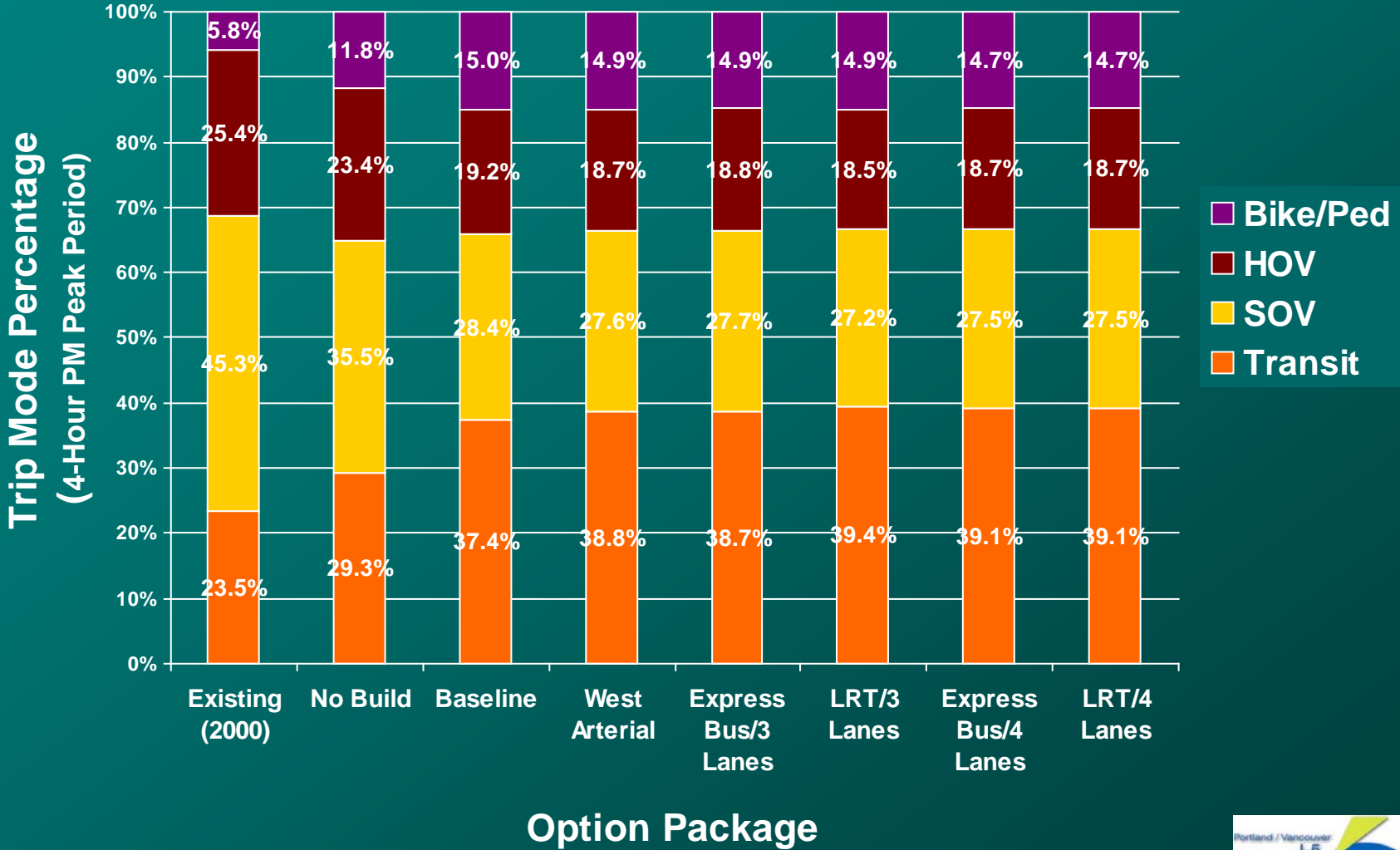
- | | |
|---------------------------|--------|
| 1. Four-county population | A. 30% |
| 2. Employment | B. 40% |
| 3. Regional truck trips | C. 50% |

Transit Trips Across the Columbia River



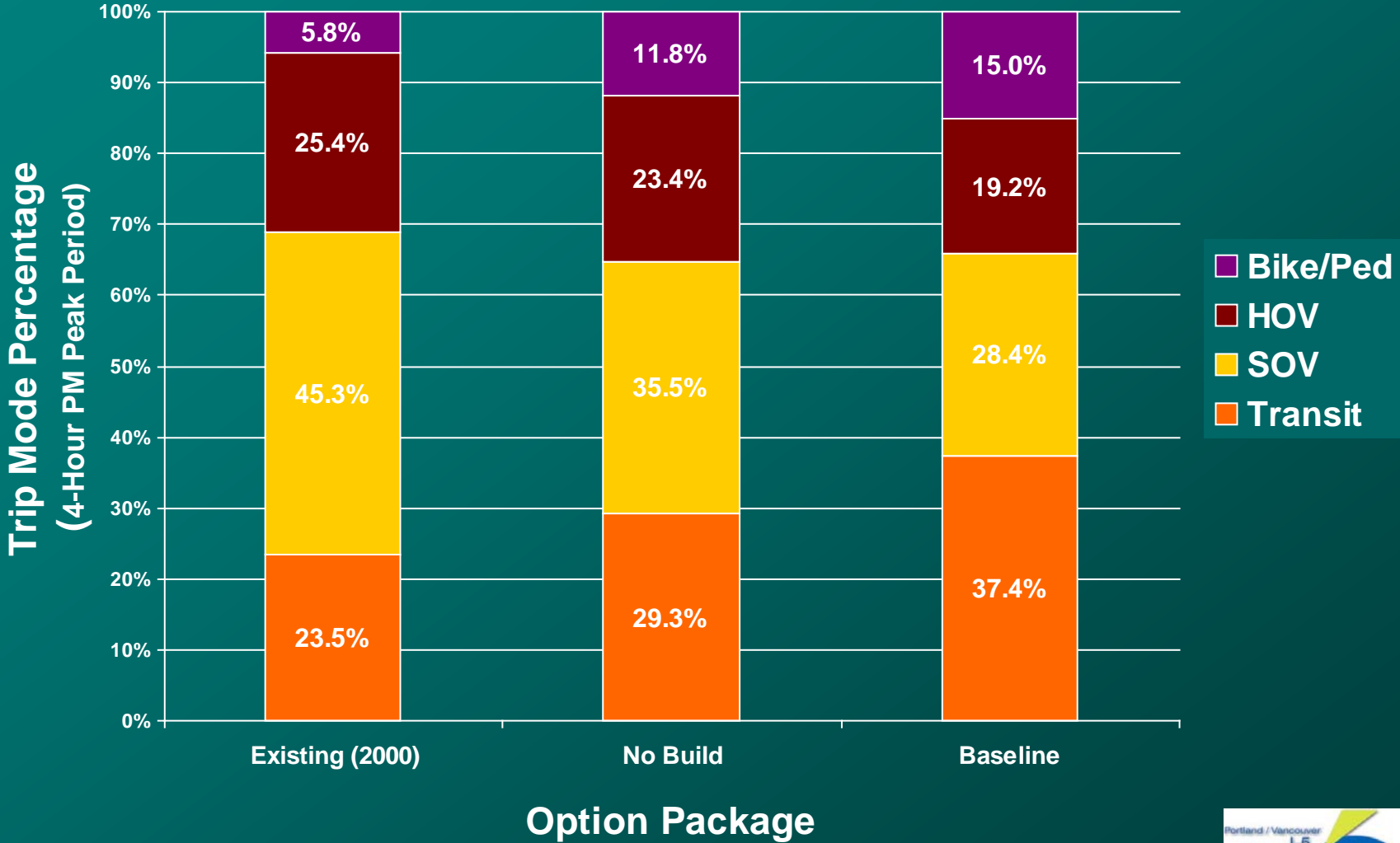
A

Trip Mode from Downtown Portland



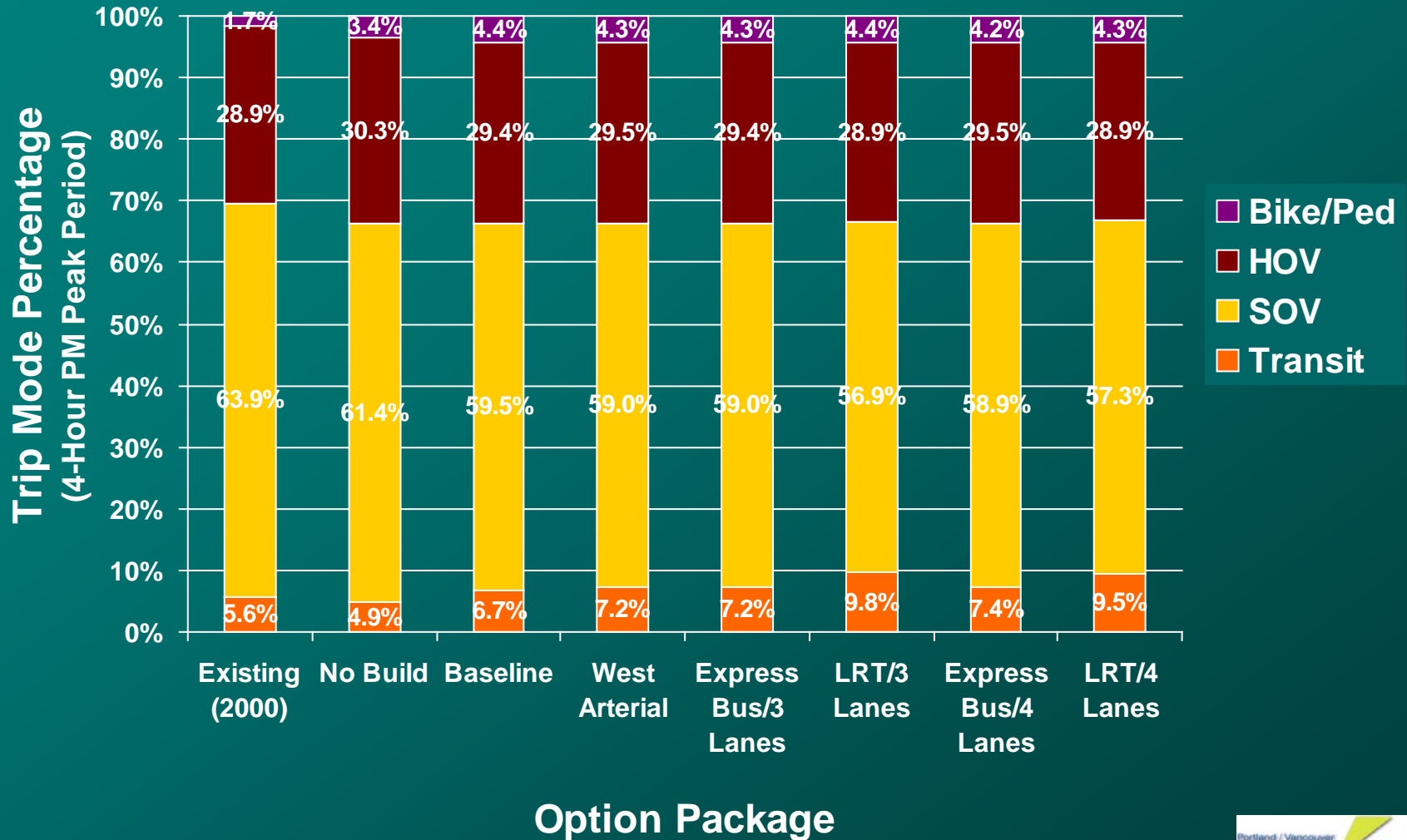
B

Trip Mode from Downtown Portland

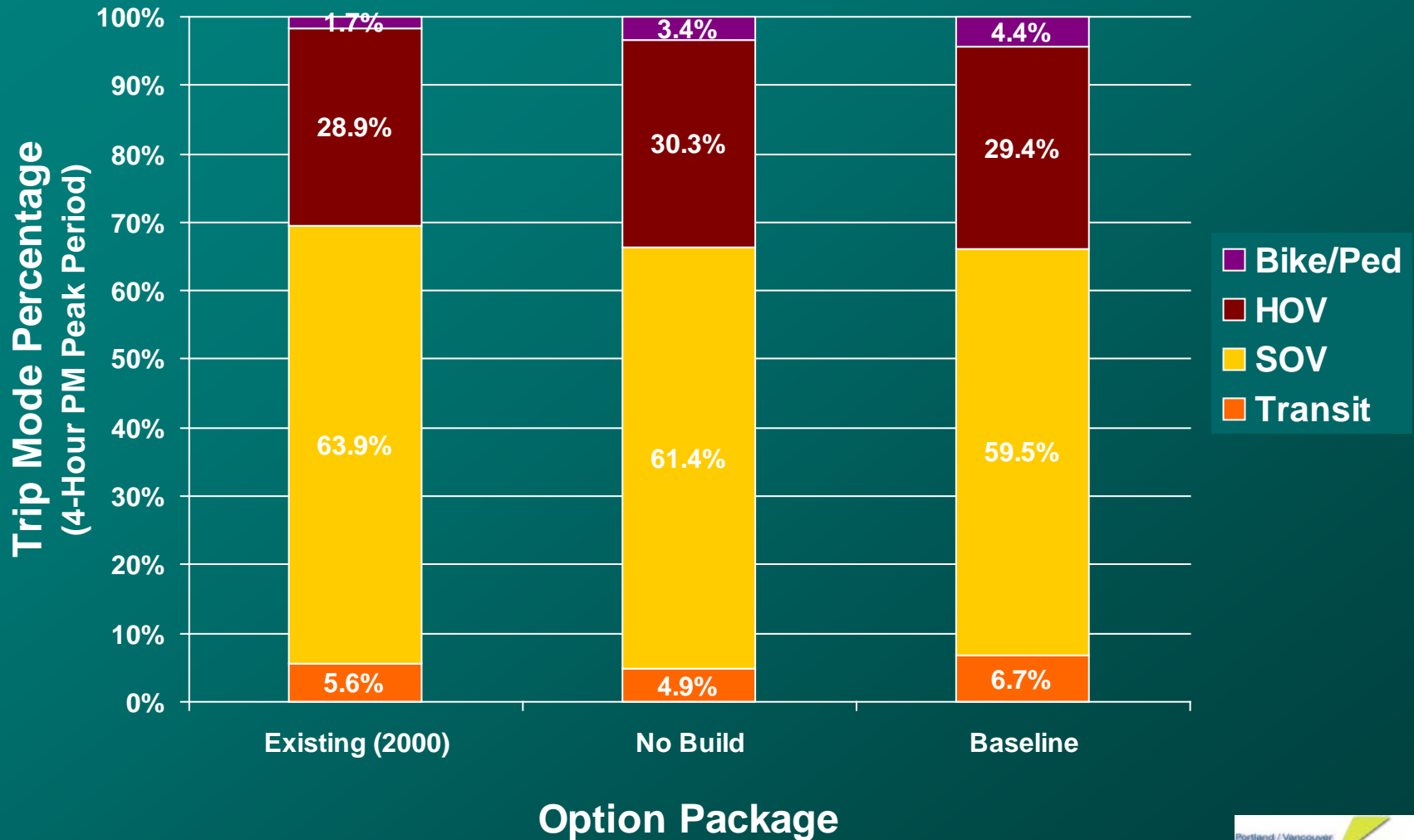


B

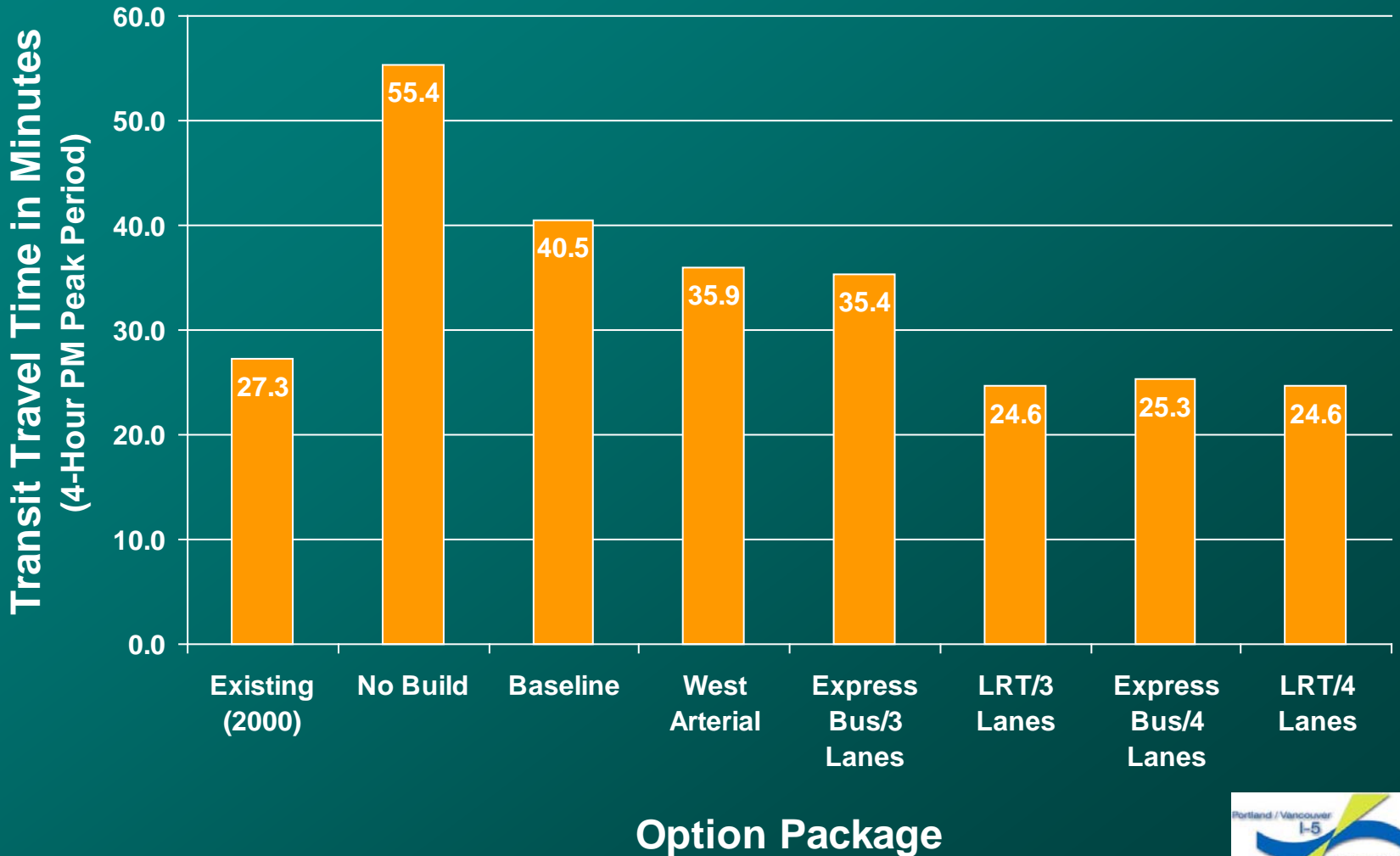
Trip Mode from Downtown Vancouver



Trip Mode from Downtown Vancouver



Transit Travel Time from Portland CBD to Vancouver CBD



D



Peak Direction Traffic Volumes Across the Columbia River



Peak Direction Traffic Volumes Across the Columbia River



E, F & G

I-5 (Exist.)

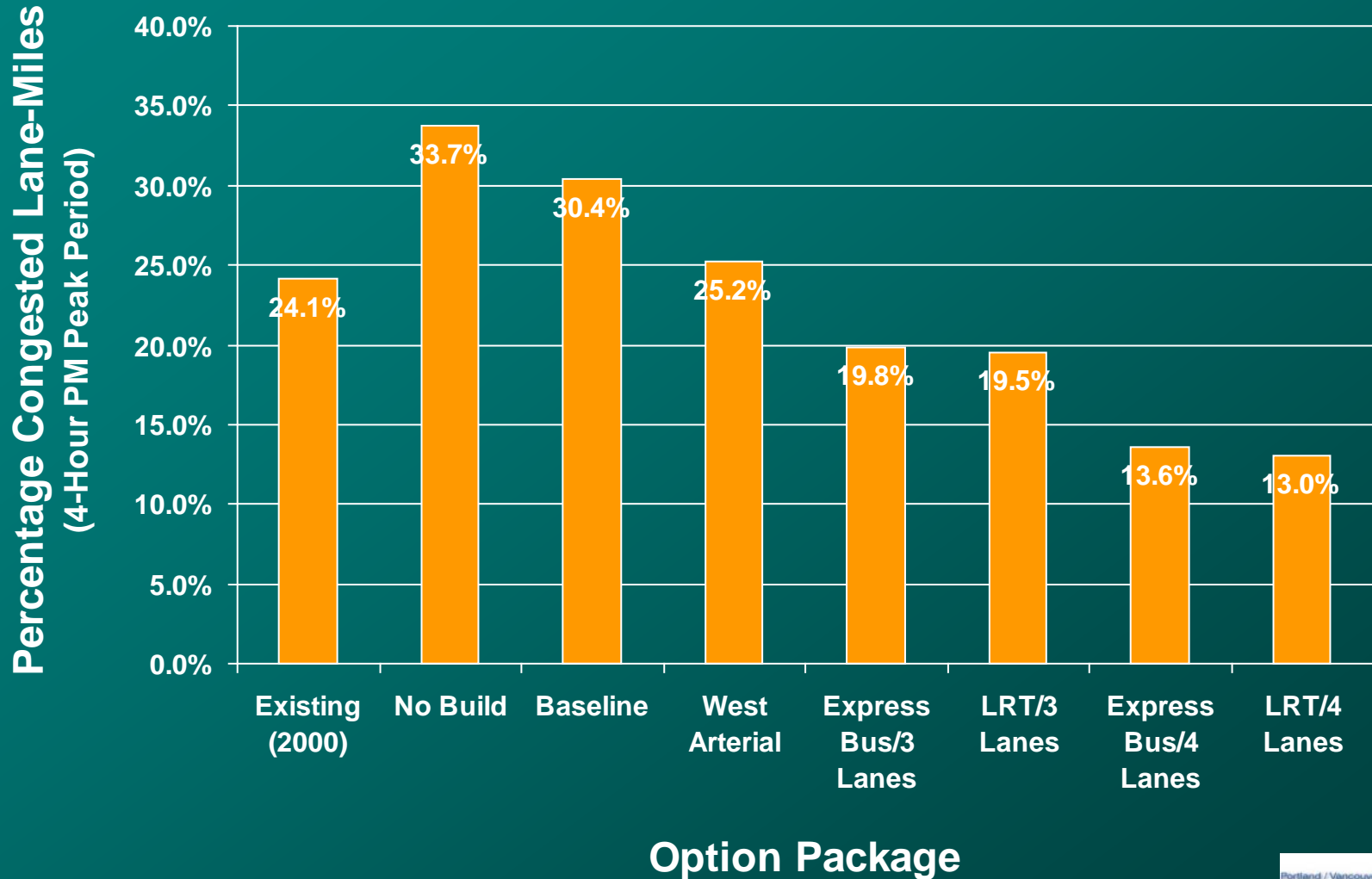
Option Package

Supplemental

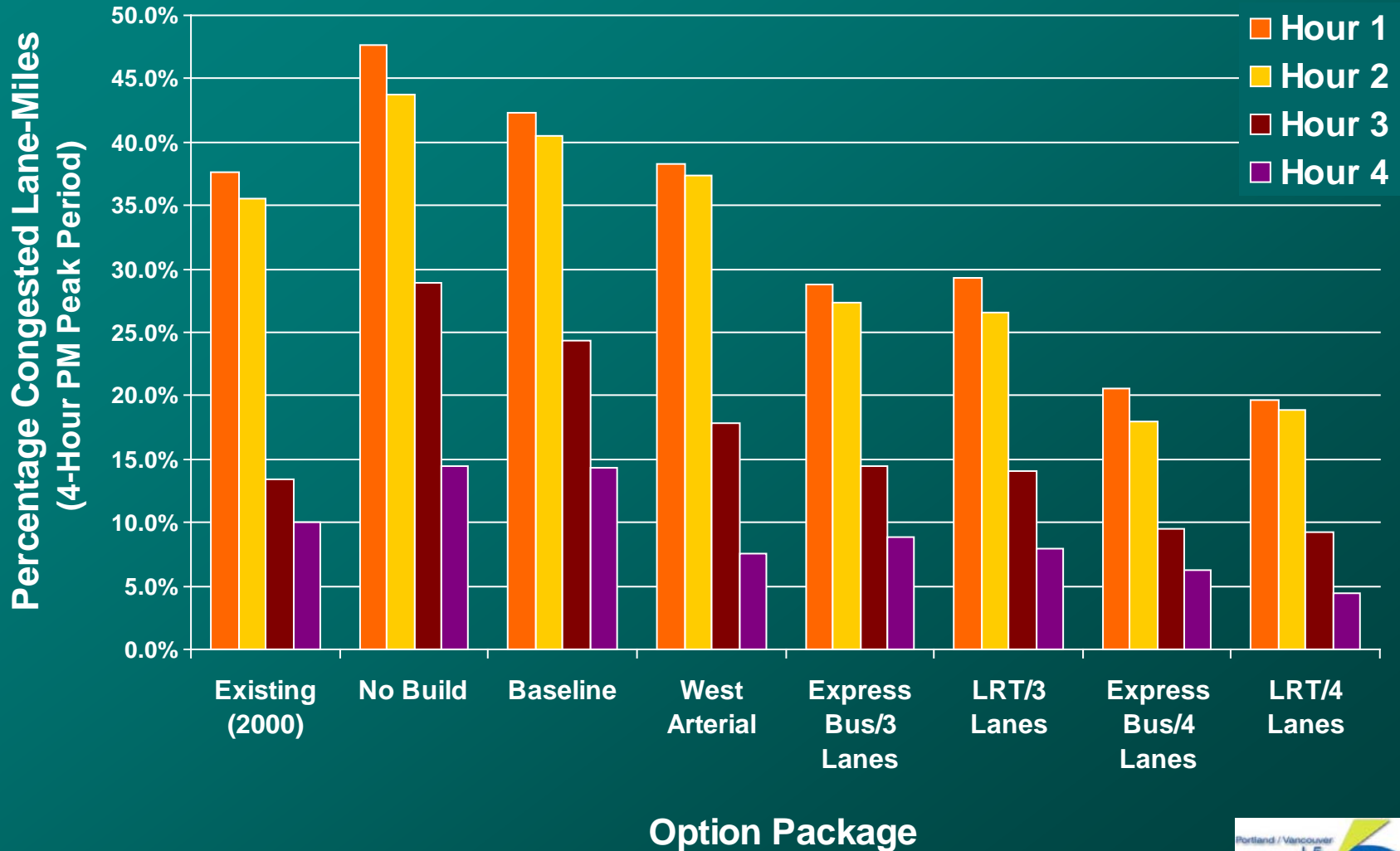
I-205 Bridge



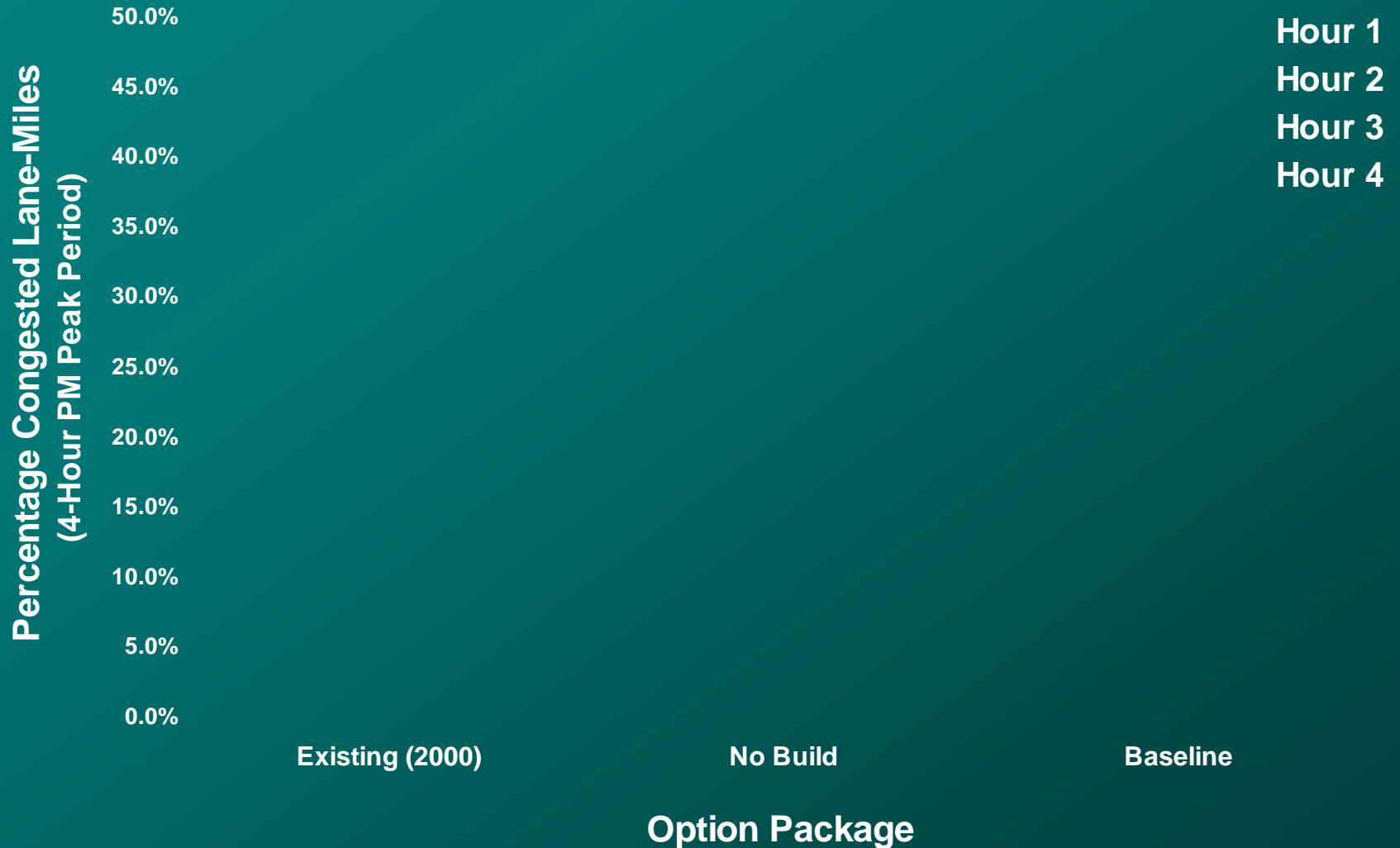
Congested Lane-Miles on I-5 and I-205



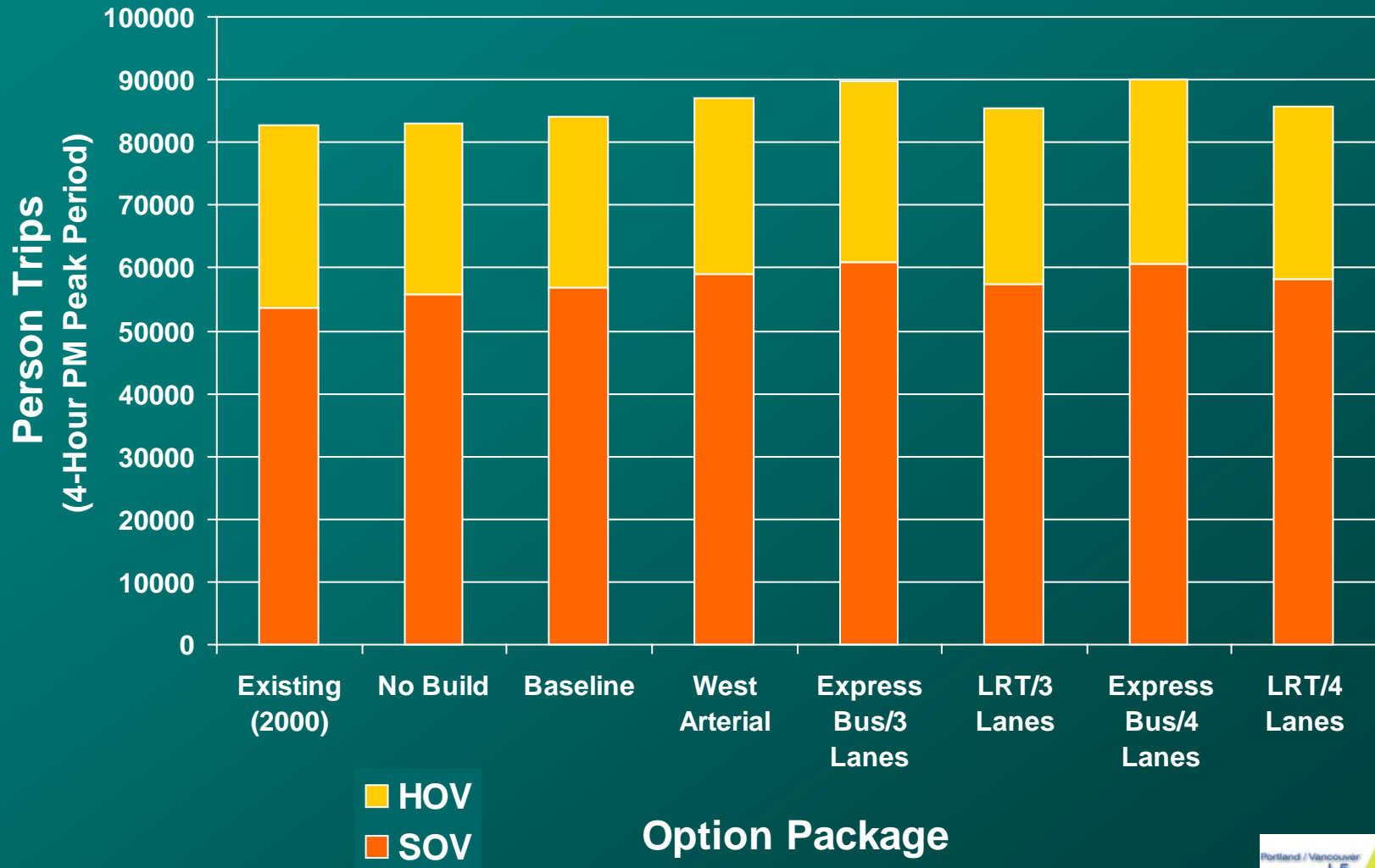
Congested Lane-Miles on I-5 and I-205



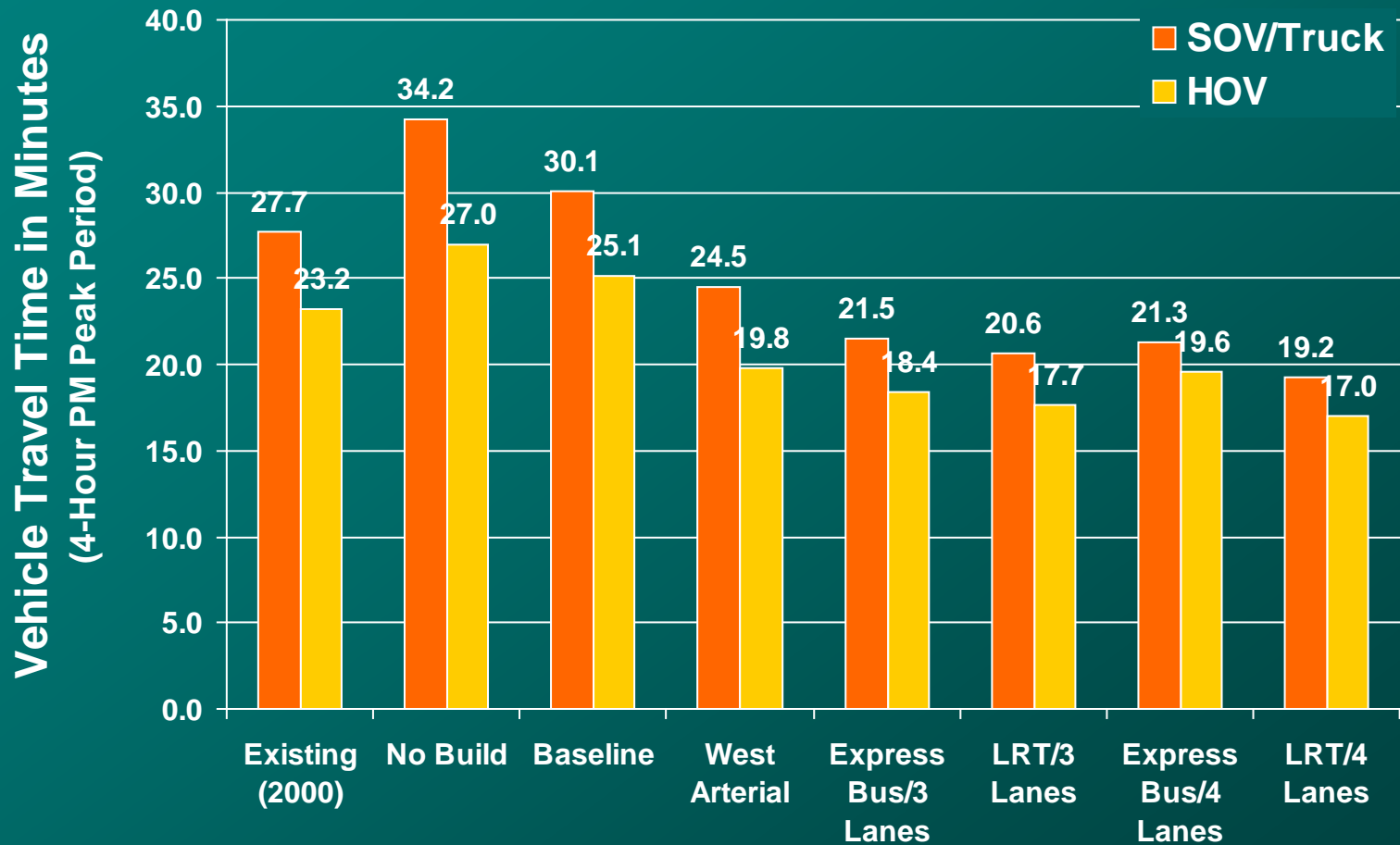
Congested Lane-Miles on I-5 and I-205



Person-Trips in Vehicles Across the Columbia River



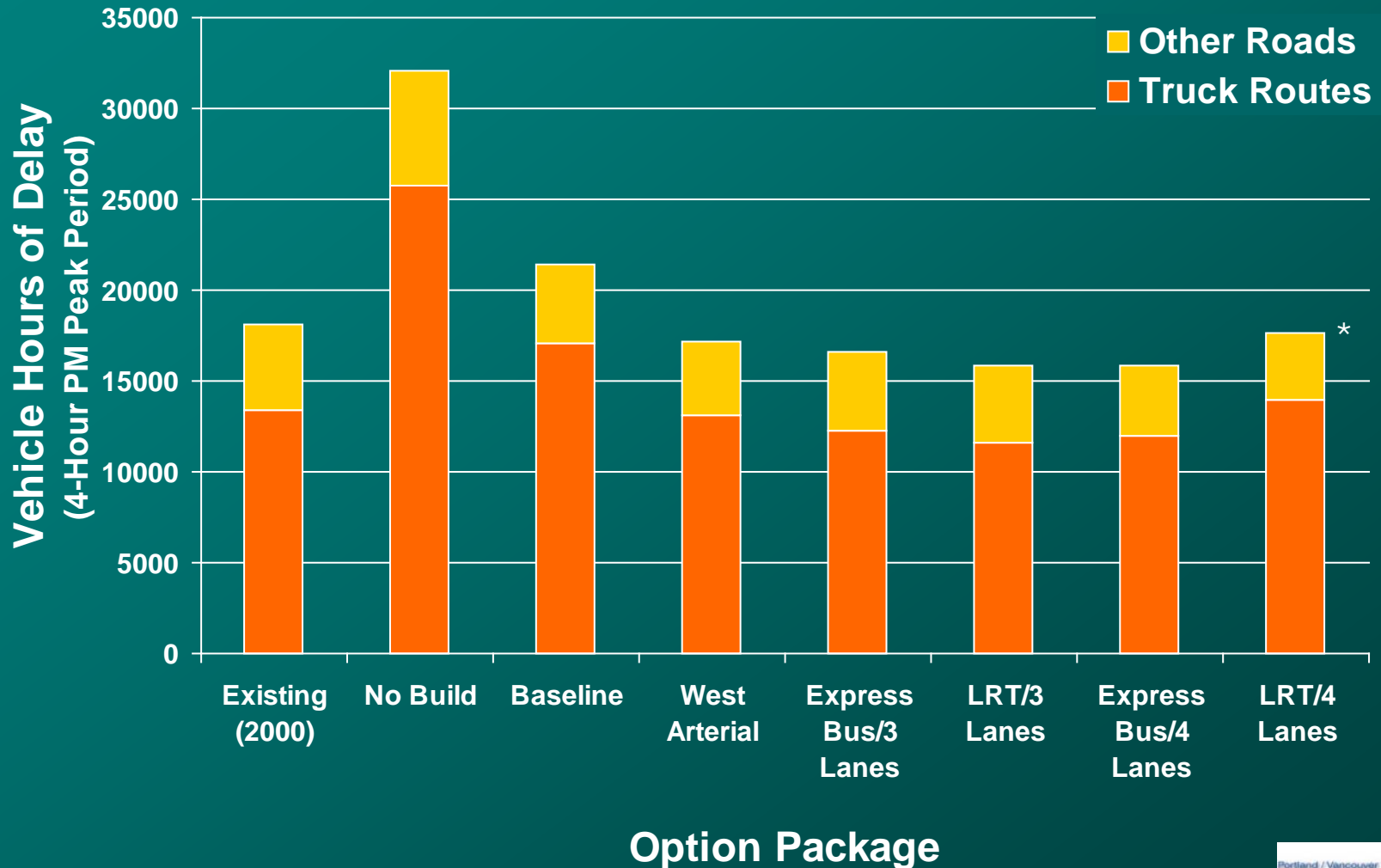
Auto/Truck & HOV Travel Times from Portland CBD to Vancouver CBD



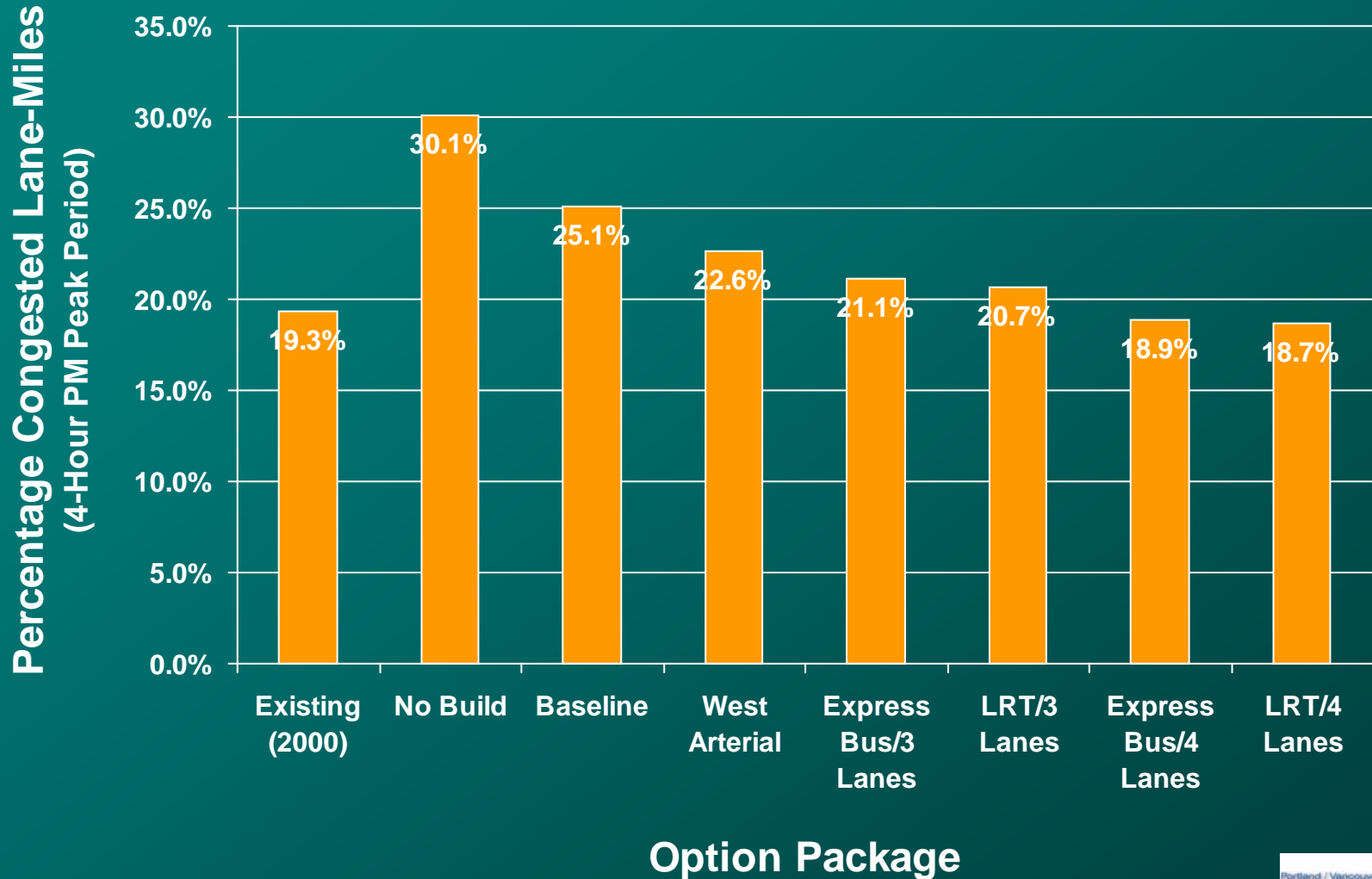
Study Area Limits



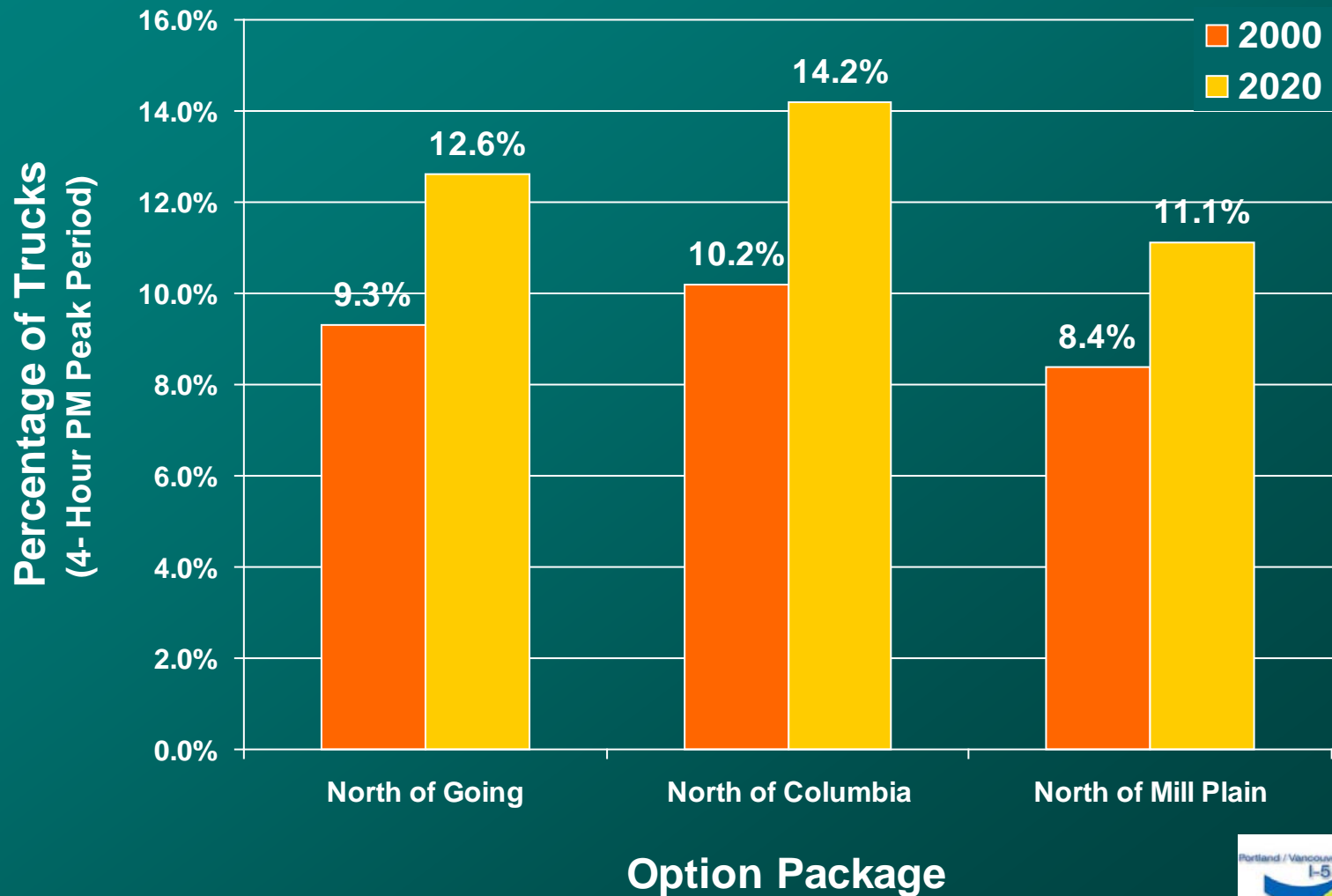
Vehicle Hours of Delay in the Study Area



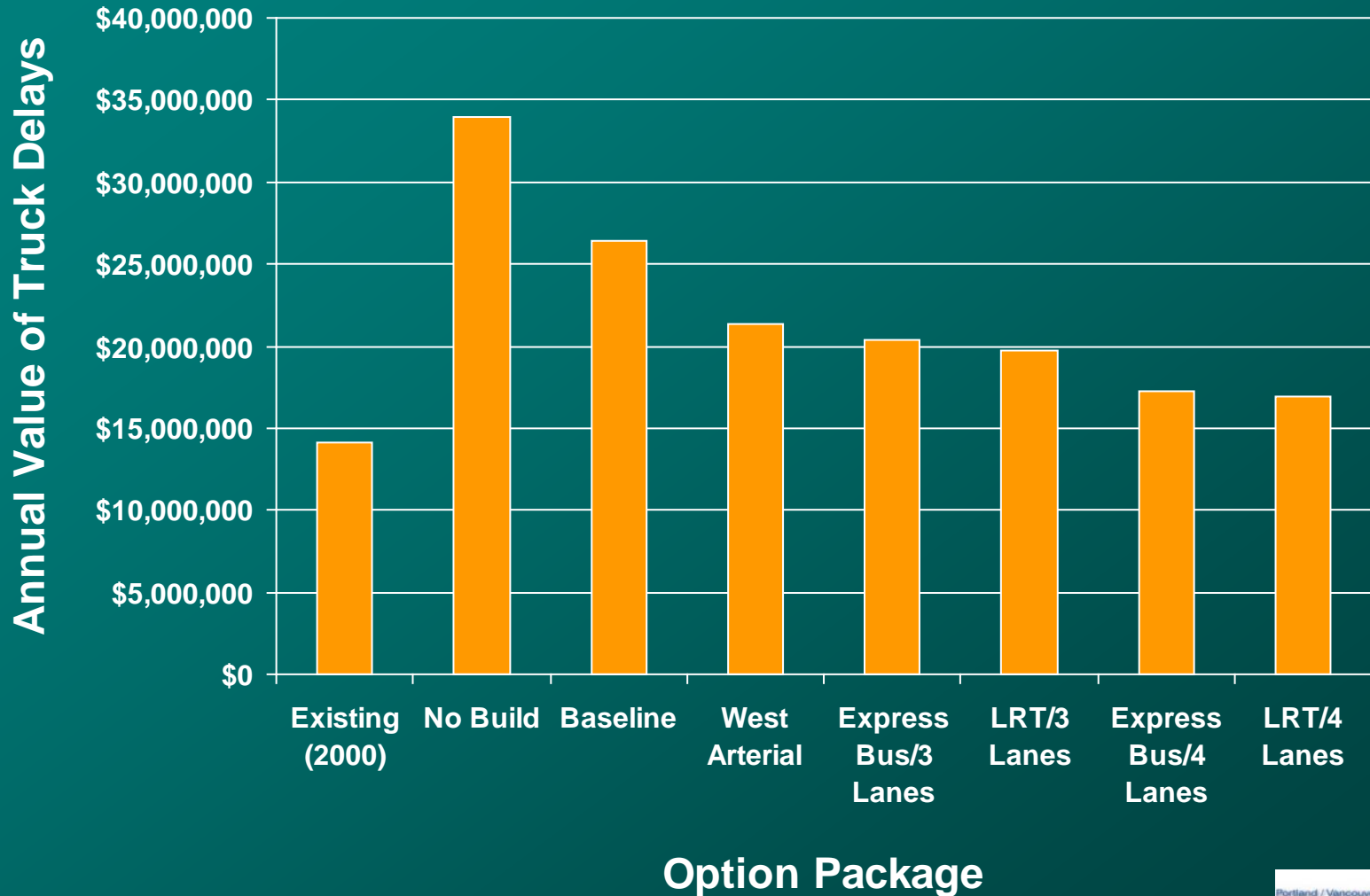
Congested Lane-Miles on Truck Routes



Truck Volume Growth Along I-5 Corridor



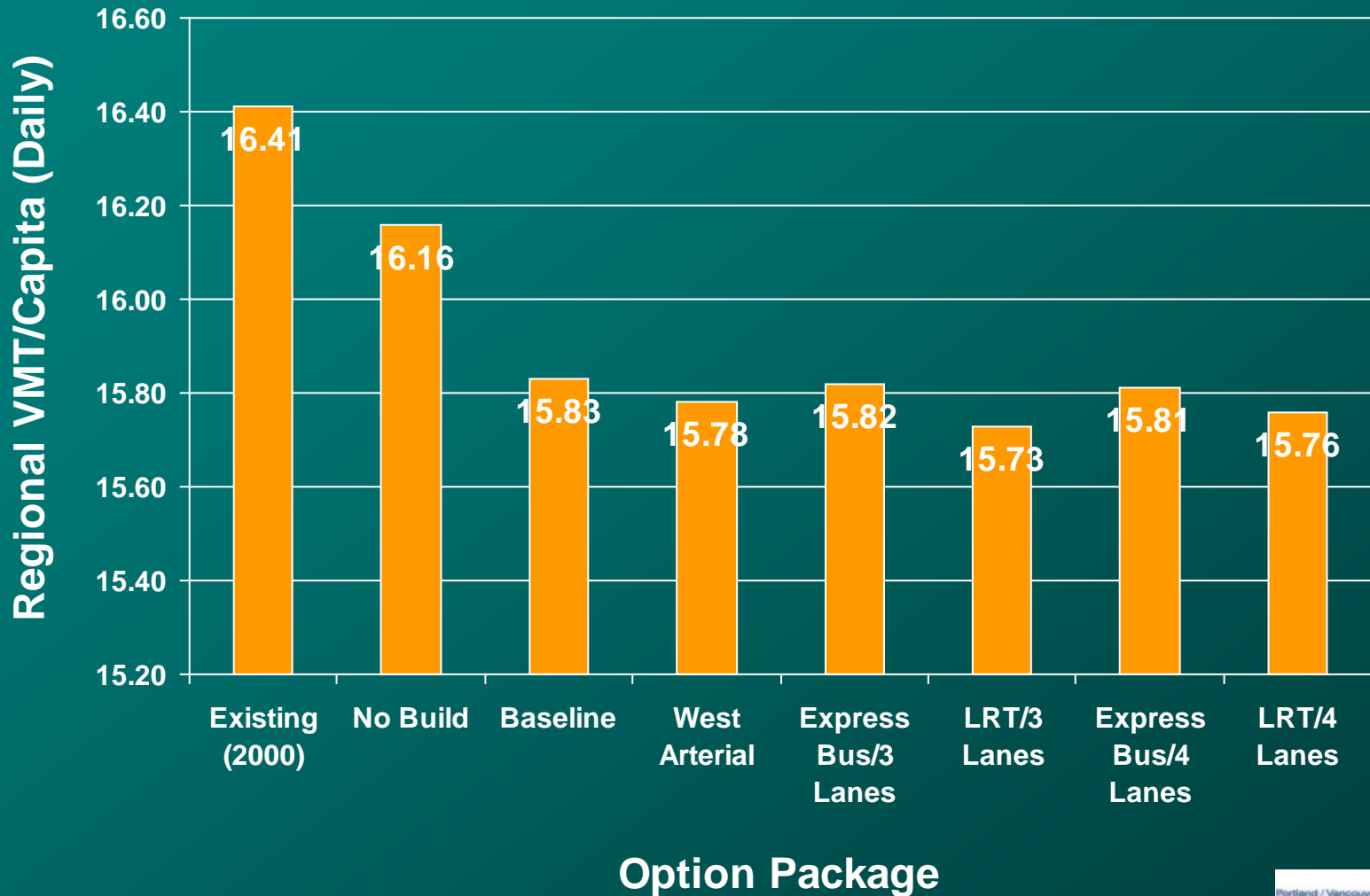
Value of Truck Hours of Delay in the Study Area



Regional Vehicle Miles Traveled (VMT)

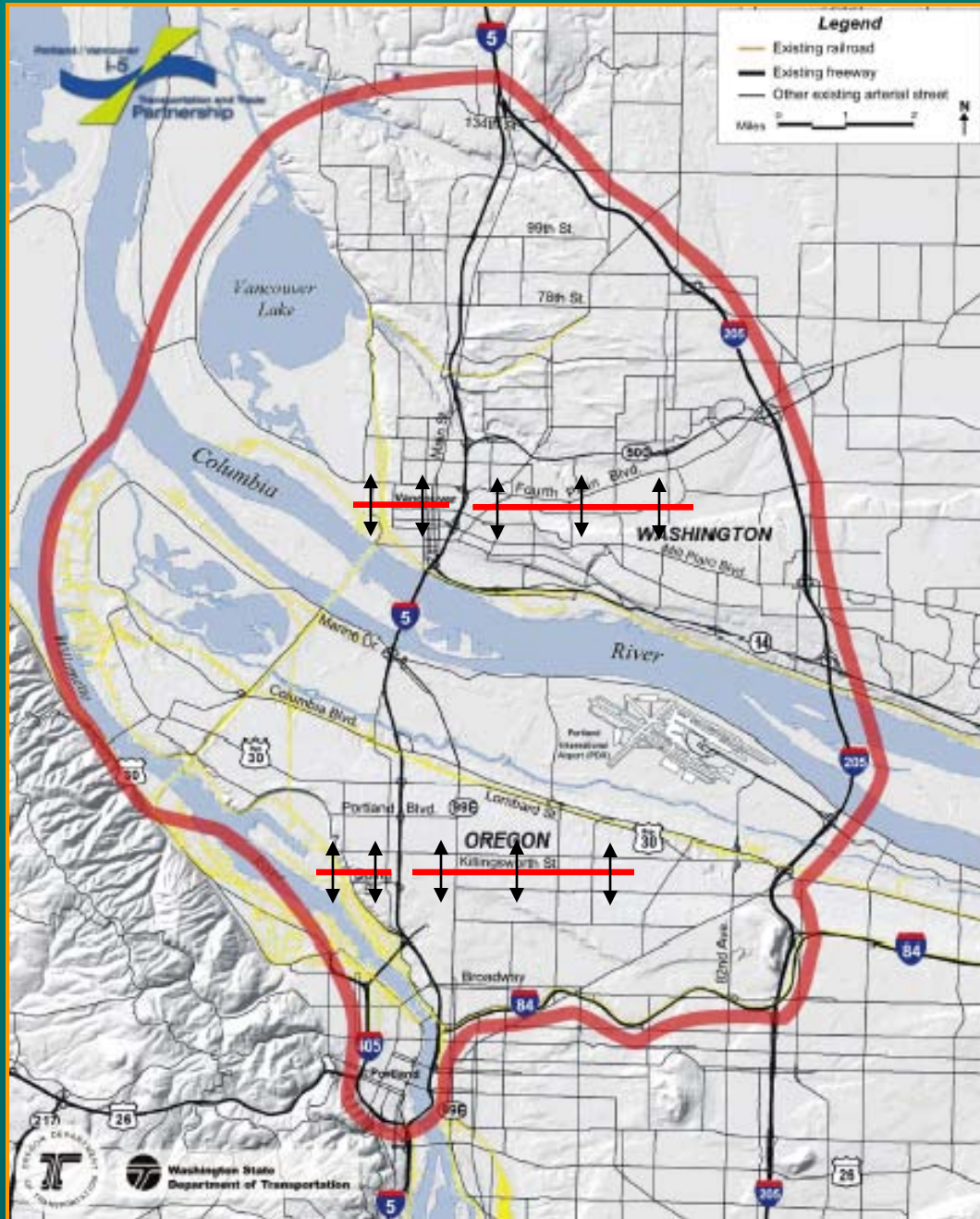


Regional VMT per Capita



Traffic on Portland Arterial Roadways Parallel to I-5*





“Screenlines”



Traffic on Vancouver Arterial Roadways Parallel to I-5*

