



Overview

- Introduction
- Changes to Inputs
 - Demographics
 - Auto operating costs
- Sensitivity Tests
 - Highway tolling and congestion
 - Parking prices
 - Effect of demographics
- Downtown Tunnel Capacity



Introduction

- Review of July meeting
- Panel suggestions and questions
- Responses



Changes to Inputs

Demographics

- ST3 to date Land Use Targets (April 2014)
- ST3 going forward Land Use Vision (2015)

Auto operating costs

- ST3 to date tolling on all limited access highways (Transportation 2040)
- ST3 going forward mileage fees, peak and off-peak



Sensitivity Tests – Tolling and Congestion

Original – Stage 2

- Highway tolling
- No change in congestion
- 6% increase over Stage 1

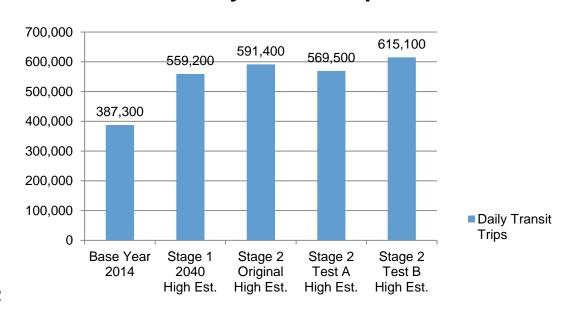
Test A – Stage 2

- No tolling
- Change in congestion
- 4% less trips than original Stage 2

Test B – Stage 2

- Highway tolling at 50% of original amounts
- Change in congestion
- 4% more trips than original Stage 2

Daily Transit Trips





Sensitivity Tests – Parking Prices

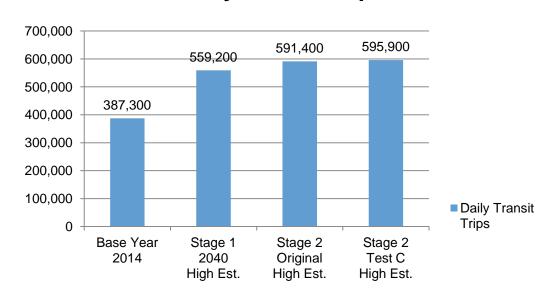
Original – Stage 2

- Highway tolling
- No change in congestion
- Change in parking costs

Test C – Stage 2

- Highway tolling
- No change in congestion
- Higher incremental parking cost increase for certain zones
- Less than 1% more trips than original Stage 2

Daily Transit Trips





Sensitivity Tests – Effects of Demographics

Base year

• 387,300 transit trips

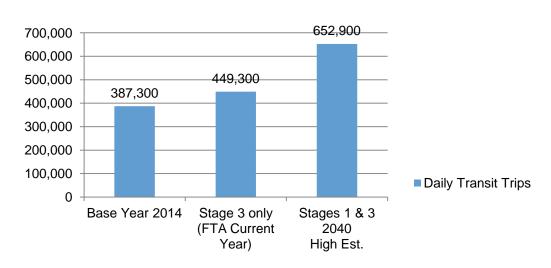
Stage 3 only

- Assumes ST2 build-out
- 449,300 transit trips
- 16% more trips than base year

Stages 1 and 3 only

- 2040 population and employment
- Assumes ST2 build-out
- 652,900 transit trips
- 45% more trips than Stage 3 only
- Growth in trips is consistent with growth in demographics.

Daily Transit Trips



Downtown Tunnel Capacity

• ST2

- 4-minute headway in tunnel (downtown Northgate)
- 4-car trains
- Capacity 9,000 12,000 per hour per direction
- Accommodates peak passenger volume PM northbound between Westlake and Northgate

ST3

- 3-minute headway in tunnel
- 4-car trains
- Capacity 12,000 16,000 per hour per direction
- Passenger volumes / capacities will be studied systemwide during system plan development

