

# Status report on the Version 2.3 Travel Model

Presentation  
to the  
TPB Travel Forecasting Subcommittee

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# Today's status topics

1. TPB staff's schedule and progress in travel modeling for the current air quality conformity determination
2. Recent updates to external auto forecasts
3. Refinements to the Version 2.3 Travel Model

## Schedule for the 2012 CLRP FY 2013-18 TIP A.Q. Conformity Assessment

Date			Event
September	21		TPB briefed on Call for Projects
October	19	2011	Local agencies begin submitting project information
December	16		Local agencies stop submitting project information
January	6	2012	TPB Tech. Committee reviews draft CLRP/TIP & work scope
			Draft CLRP/TIP project submissions and draft work scope released for public comment
January	12		
January	18		TPB is briefed on draft CLRP and TIP and work scope
February	11		Public comment period ends
			TPB reviews public comment and and is asked to approve draft CLRP and TIP and work scope
February	15		
March			Prepare modeling inputs & execute travel demand & mobile emissions models Analysis years: 2007, 2017, 2020, 2030, 2040
April			
May			
June	14		Draft CLRP/TIP and Conformity Assessment released for public comment at CAC
June	20		TPB briefed on draft CLRP/TIP & Conformity Assessment
July	14		Public comment period ends
			TPB reviews public comments and responses to public comments, and is presented the draft CLRP/TIP and Conformity Assessment for adoption
July	18		

# Key inputs to the model

- The TIP and Plan networks
  - Presented to the TPB, Feb. 15 meeting (Item #7)
  - Description on the web:  
<http://www.mwcog.org/uploads/committee-documents/k11eW11c20120209142257.pdf>
- Land Activity: Round 8.1 Coop. Forecasts
  - Released Feb. 28, 2012
  - Forecast years 2010 – 2040 in five-year increments
- Exogenous inputs
  - External, Through, Taxi, Visitor, School, Airport Pax
  - Released March 27, 2012

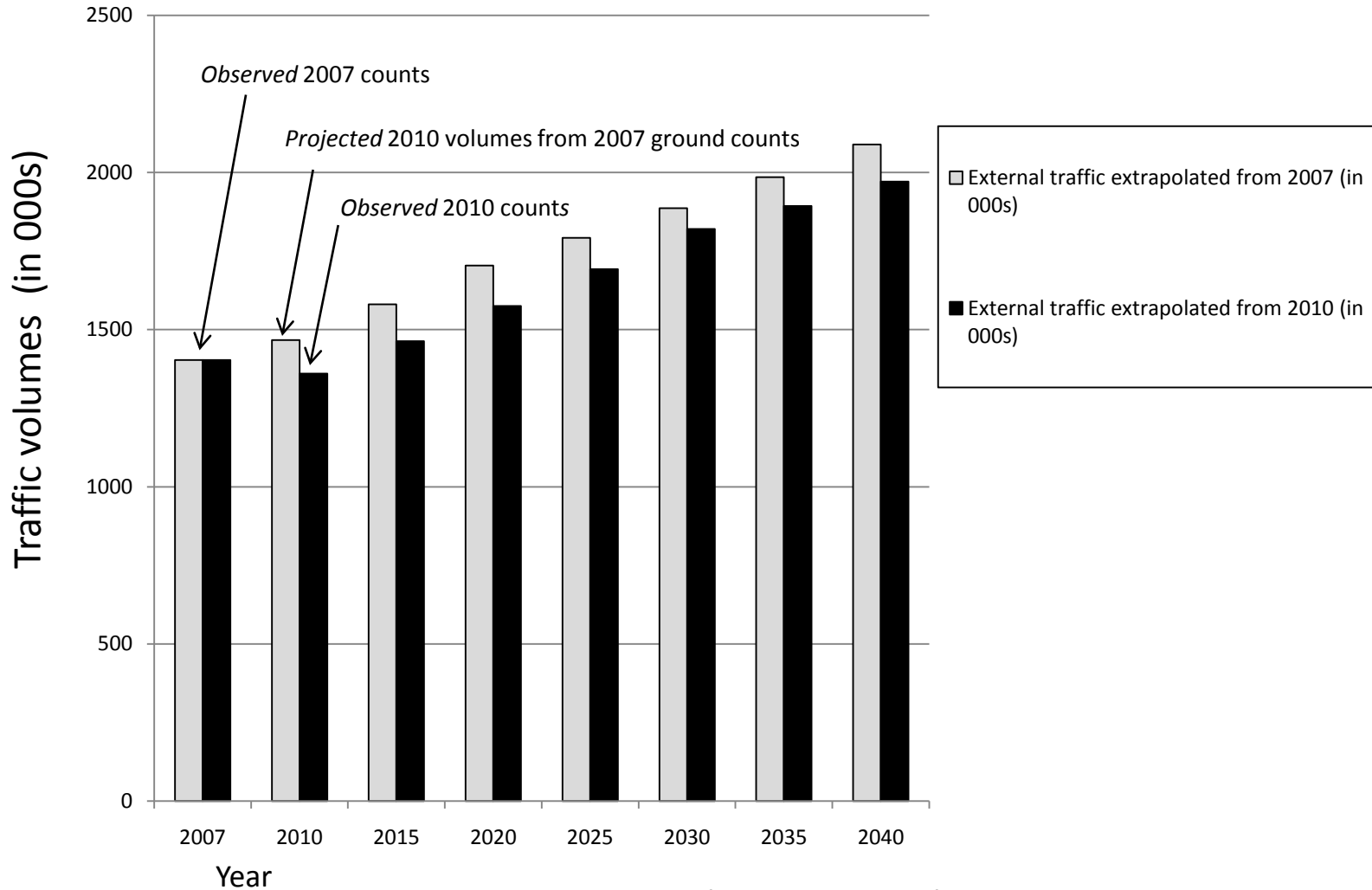
# External and through auto trip forecasts have been moderated

- Base traffic count year for extrapolating external trips into the future has been updated from 2007 to 2010
- Traffic counts at external stations have *decreased* during the three-year period
- Given the decrease in base-year counts, external forecasts have been moderated

# Traffic counts observed across all external stations

2007 AWDT	2010 AWDT	Change	% Change
1,403,500	1,360,000	-43,500	-3.1%

# Existing (grey) and revised (black) external traffic forecasts



# Minor model updates implemented

- Existing travel model: Version 2.3.38
- Updated travel model: Version 2.3.39
- Updates: The precision (format) of selected trip tables produced in the model chain has been increased from 2 to 3 decimals. Affected scripts:
  - Time-of-Day.s
  - MC\_Constraint\_V23.s
  - Prepare\_Trip\_Tables\_for\_Assignment.s

Why? To improve consistency in global vehicle trip totals throughout model chain

- LineSum program refined (Ver. 2.3)



# Wrap-up

- The air quality travel modeling work is proceeding on schedule
- The travel model is: Version 2.3.39
  - minor refinements to currently adopted model, Version 2.3.38, have been implemented
  - External traffic forecasts have been moderated
- Staff anticipates a July adoption of the 2012 CLRP and conformity process and findings