

Findings of the Stakeholder Survey

Strategic Plan for COG/TPB Model Development

Task Order 15.2

presented by
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presented to

**COG/TPB Travel Forecasting
Subcommittee**

Outline

- » **Distribution list and sample size**
- » **Descriptive statistics on users**
- » **Findings: Model shortcomings and opportunities for improvement**
- » **Findings: Model uses and needs**
- » **Next steps**

Distribution List and Sample Size

» The survey was distributed to

- COG/TPB Travel Forecasting Subcommittee
- People who have requested the COG/TPB model or its inputs/outputs in the last year
- Selected COG/TPB staff who are familiar with the COG/TPB model or its data
- Additional individuals who request it

» Number of respondents – 53

Survey Question Categories

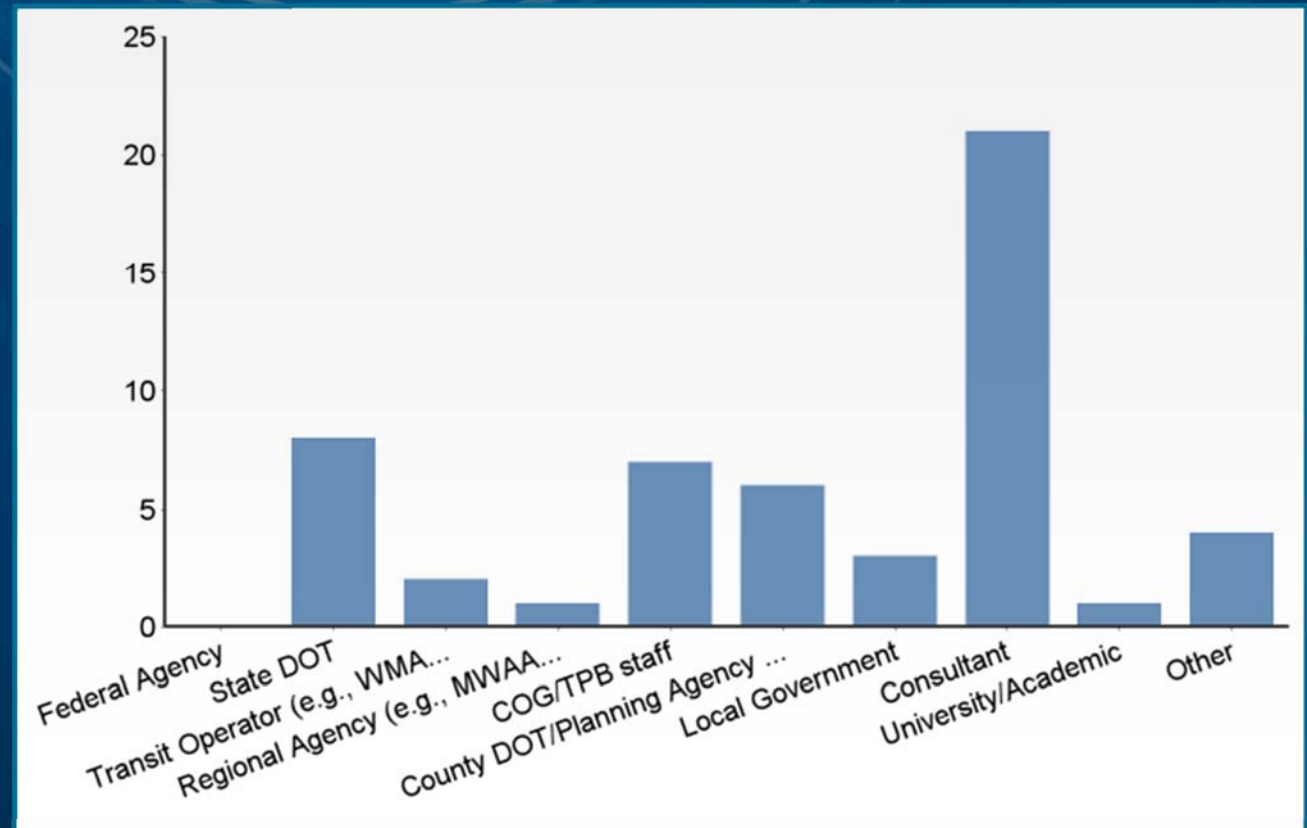
- » Respondent Information (name, title, agency, etc.)
- » Experience running the model/using input & output
- » Model application – project types, geography, mode
- » Level of interest regarding types of policies
- » Level of satisfaction with current model and how well it addresses specific issues
- » Importance of specific emerging transportation trends

Distribution of Organizations (Q.2)

» State DOTs – D.C., MD, VA

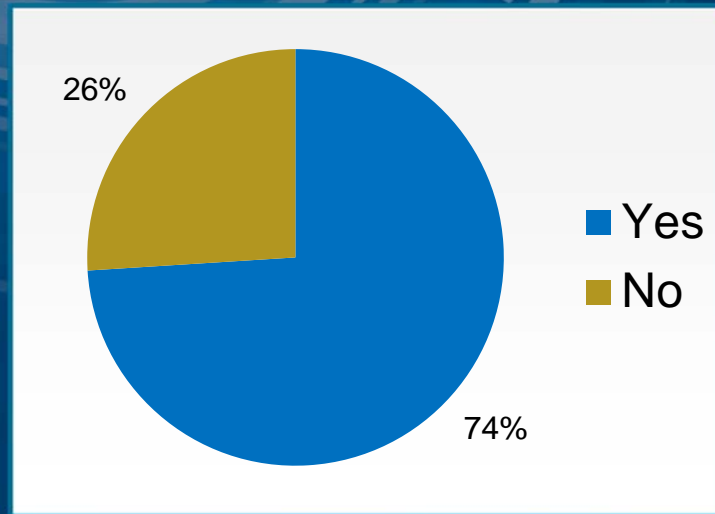
» Approximately 40 percent consultants

» Approximately 40 percent non-COG/TPB respondents identified

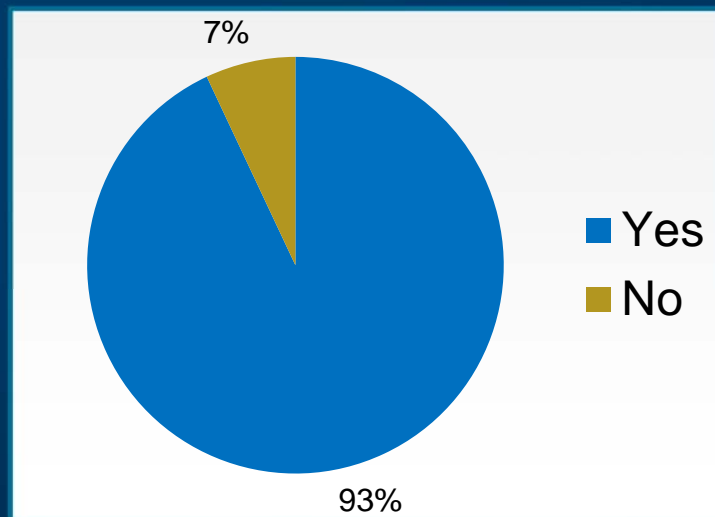


COG/TPB Model Use (Q.4 and Q.5)

» Have you executed the adopted COG/TPB travel model during the past three years?



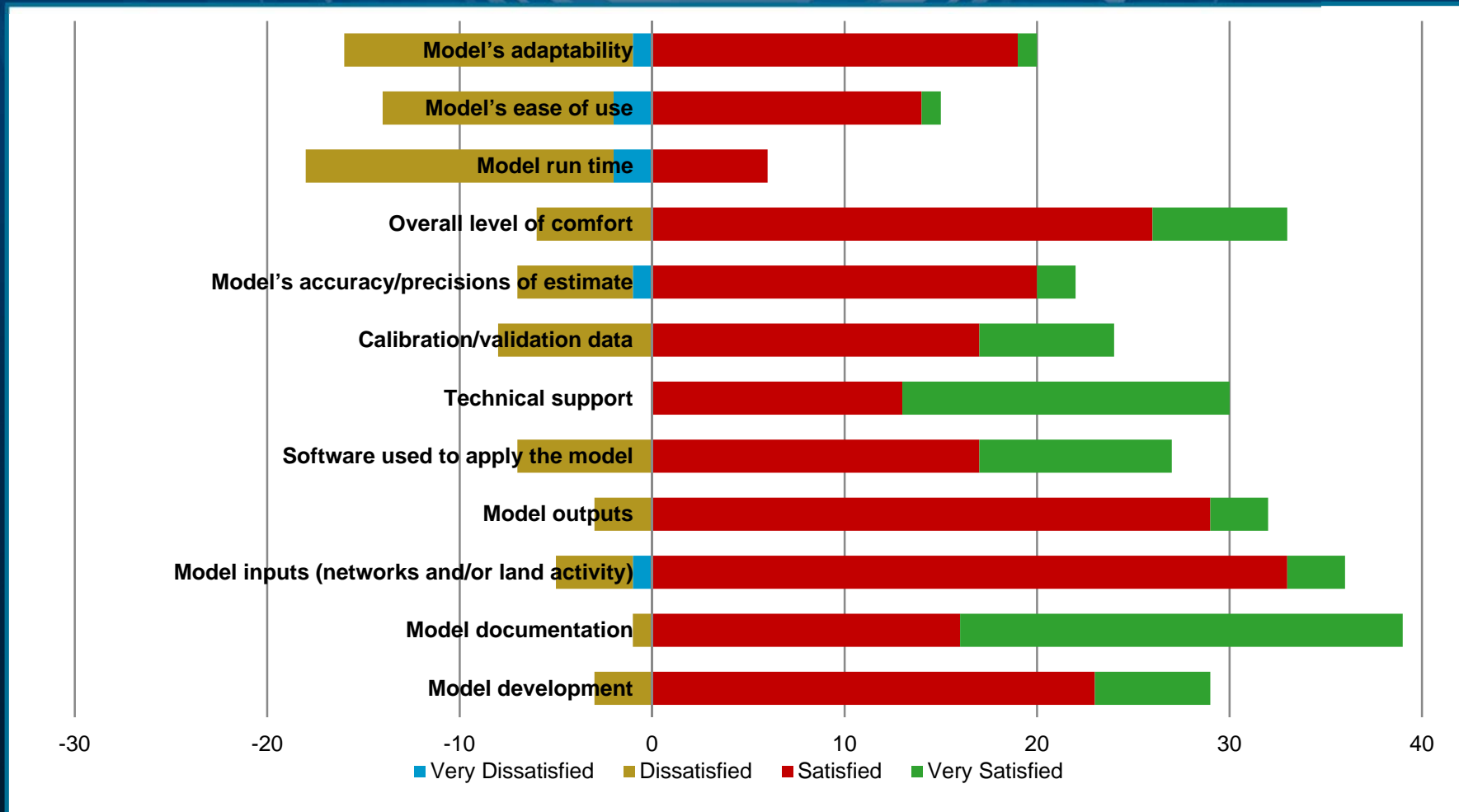
» Have you used COG/TPB travel model inputs or outputs during the past three years?





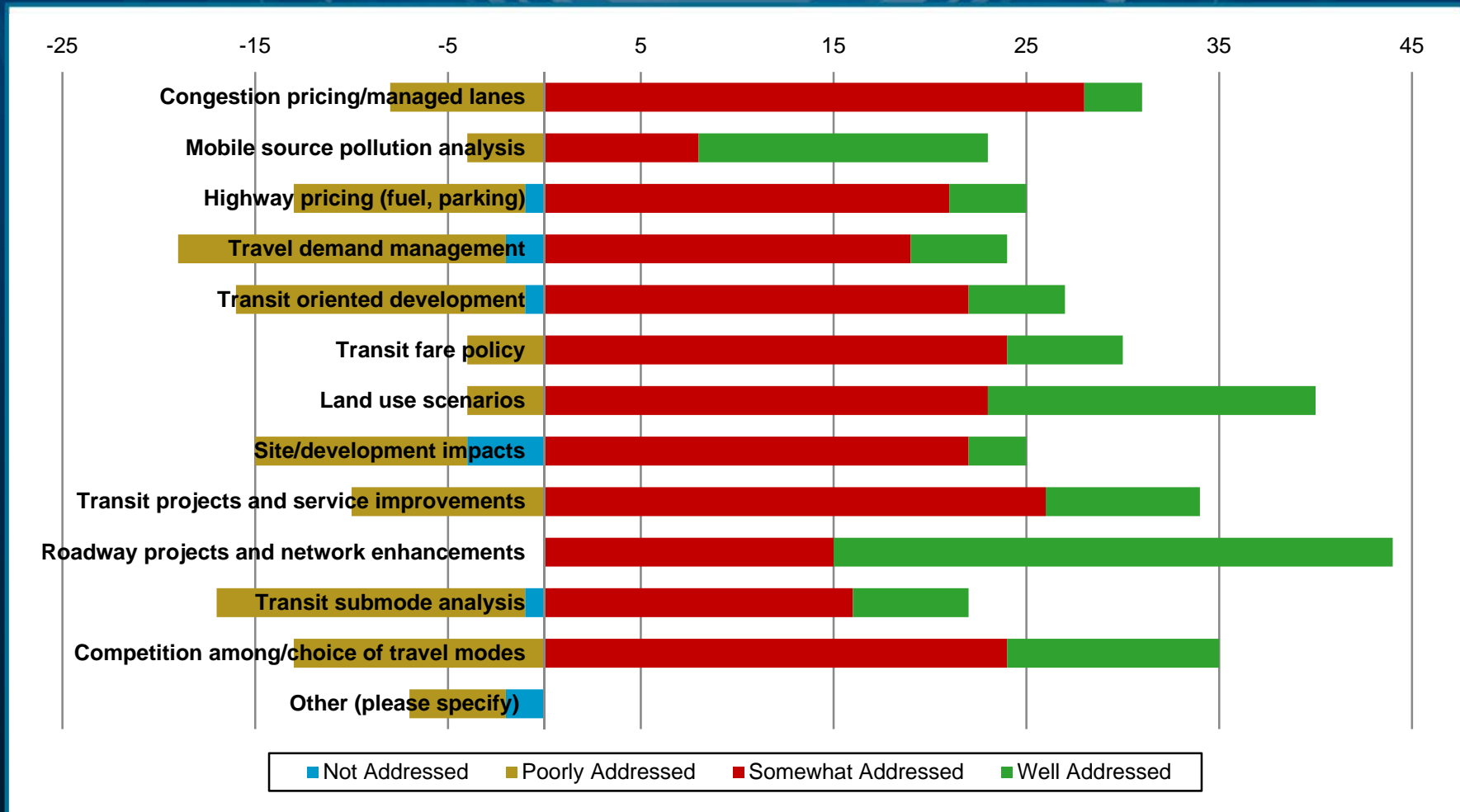
**FINDINGS: MODEL
SHORTCOMINGS
AND OPPORTUNITIES
FOR IMPROVEMENT**

Satisfaction Levels with Current COG/TPB Model (Q.10)



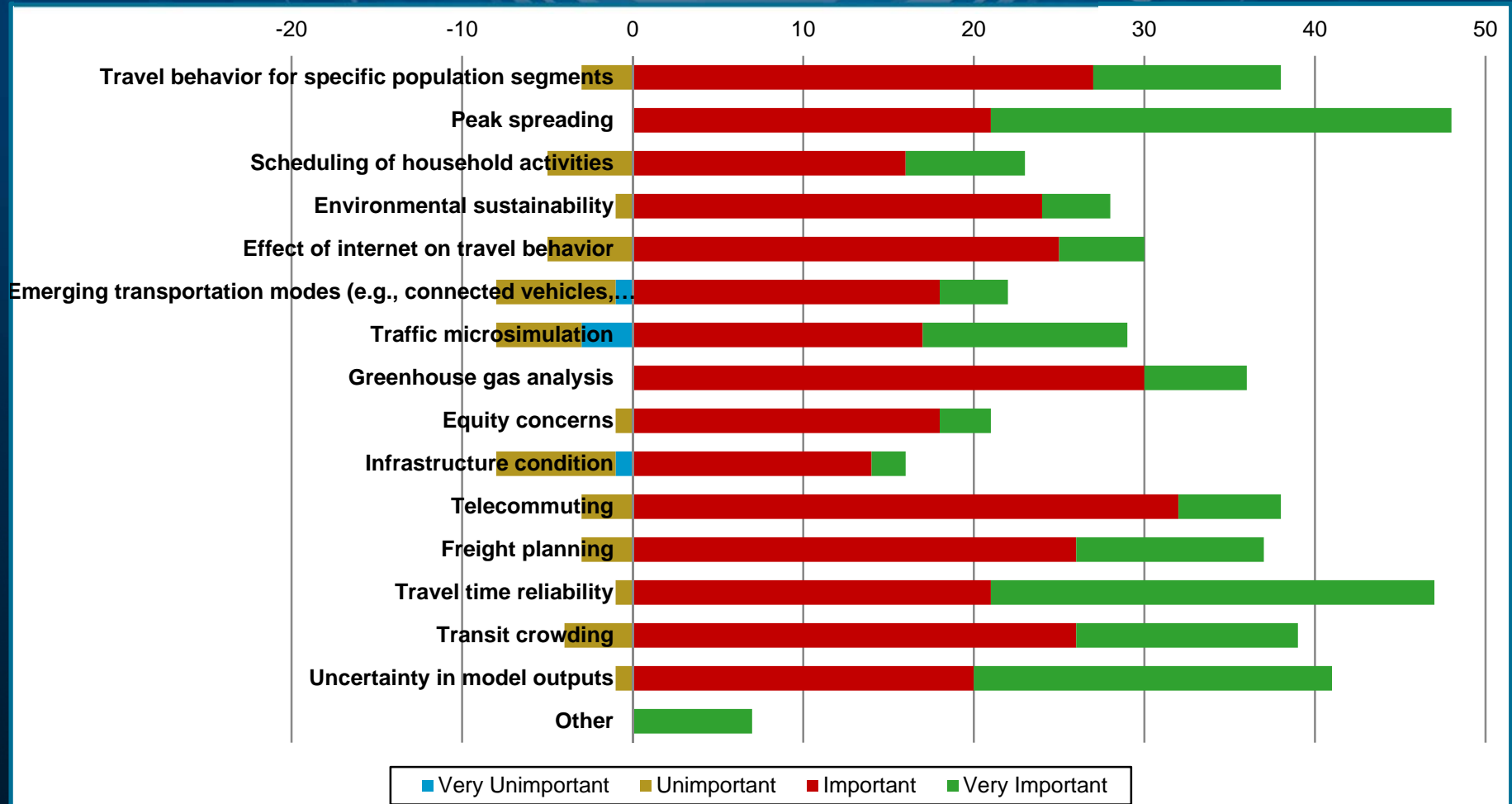
8 Note: Total number of respondents – 53. The “Neutral” and “No Opinion” selections are not presented.

Satisfaction Levels with Issues Addressed by the Current Model (Q.11)



9 Note: Total number of respondents – 53. The “No Opinion” selections are not presented.

Importance of Emerging Transportation Issues (Q.12)



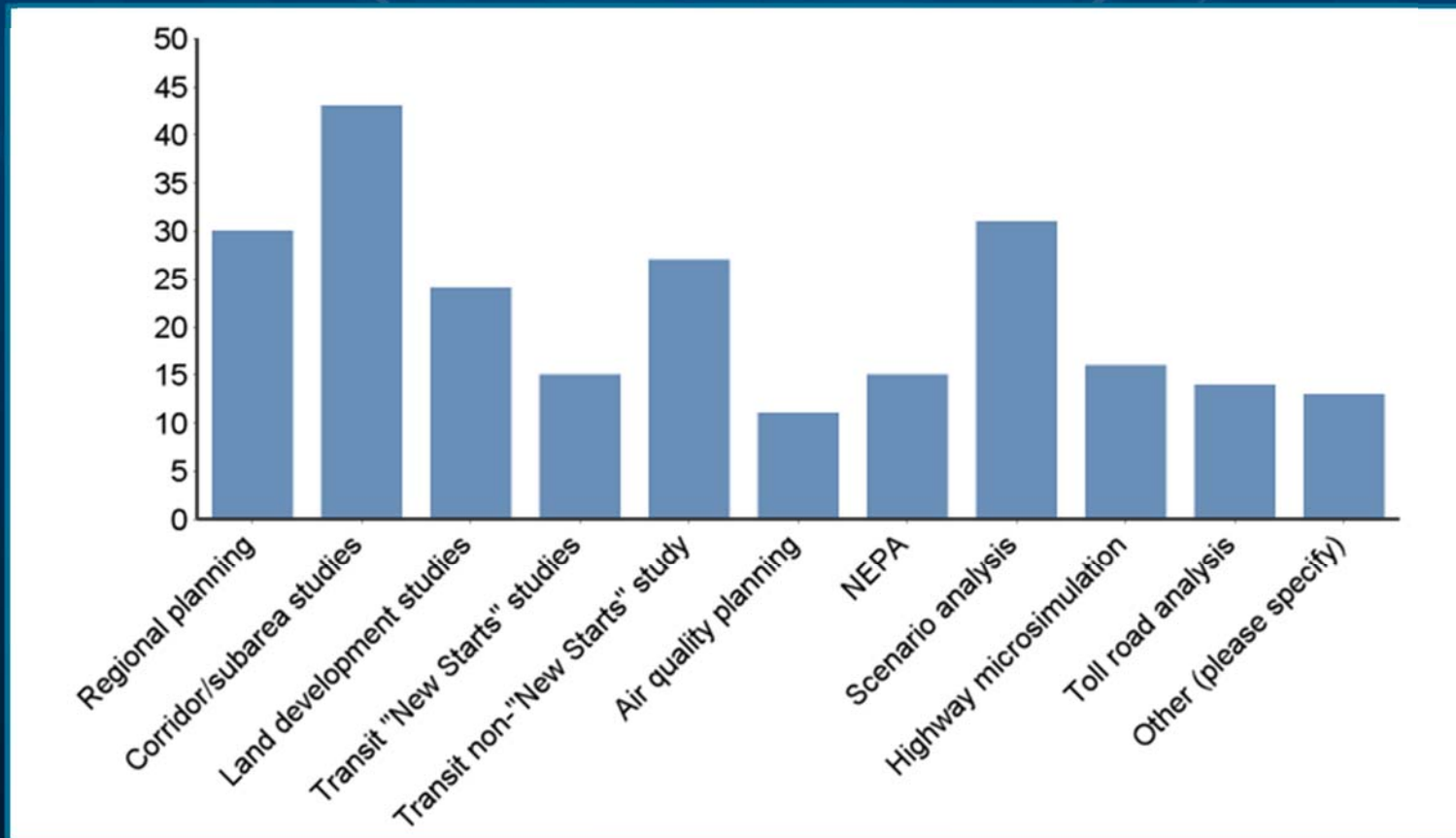
10 Note: Total number of respondents – 53. The “Neutral” and “No Opinion” selections are not presented.



**FINDINGS: MODEL USES
AND NEEDS**

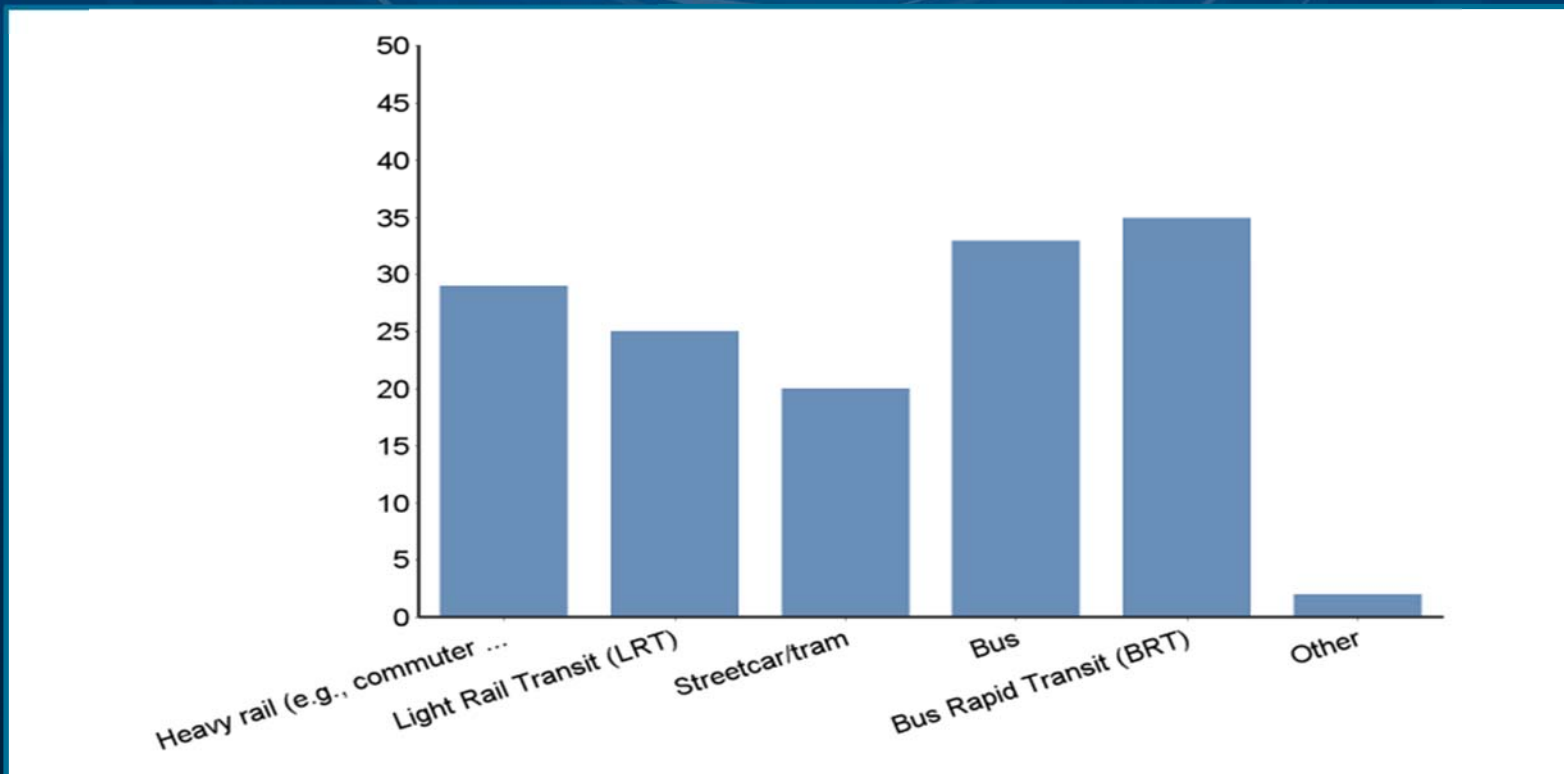
Types of Projects Undertaken Using the COG/TPB Model Recently (Q.6)

» What types of projects have you undertaken in the past three years? (check all that apply)



Modes Evaluated Using the COG/TPB Model (Q.8a and Q.8b)

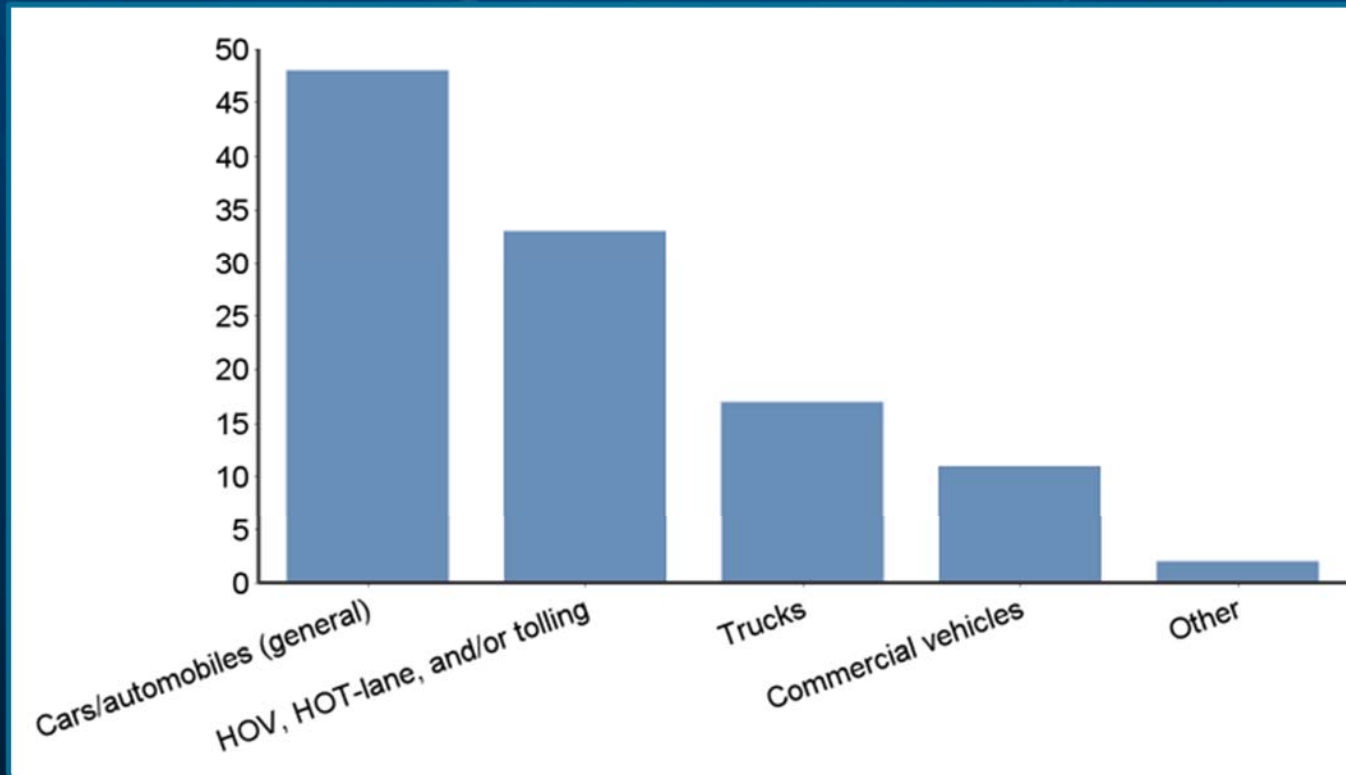
» Modeling Public Transit



- » 19 (of 53) responded affirmatively to using the model for nonmotorized travel

Modes Evaluated Using the COG/TPB Model (continued) (Q.8c)

- » Please select the transportation modes that were the focus of studies that you have conducted over the past three years



Freeform Comments

- » Responses received on a variety of topics
- » Some recurring themes
 - Improved handling of HOV/managed lanes
 - Enhanced transit modeling (assignment, sub mode-choice)
 - More network detail in the model
 - Improved model run times
 - Comments for and against ABM and DTA
 -

Summary Findings

- » **Good sample size (53 respondents)**
 - Respondents included state, regional, county, and local agencies, COG/TPB, and consultants

- » **Approximately 75 percent have executed the model and 93 percent model input/output users**

- » **Satisfaction levels with current COG/TPB model (Q.10)**
 - Most satisfied areas – documentation, inputs, overall comfort with model, outputs and technical support
 - Least satisfied areas – Model run time, adaptability, ease of use

Summary Findings (continued)

- » **Satisfaction levels with issues addressed by model (Q.11)**
 - **Well addressed**
 - roadway projects, land use scenarios, choice of travel
 - **Not well addressed**
 - travel demand management, transit submode analysis, transit oriented development, highway pricing

- » **Importance of Emerging Transportation Issues (Q.12)**
 - **Important Issues**
 - peak spreading, travel time reliability, telecommuting, uncertainty in model outputs
 - **Unimportant issues**
 - Between 5 and 10 respondents indicated for each of these topics: emerging transportation modes, traffic microsimulation, and infrastructure condition

NEXT STEPS

Schedule for Developing a New Strategic Plan for Model Development

1. Identifying potential opportunities for improvement
 - 1a. Identify areas for improvements
 - 1b. Review previous model development plans
 - 1c. Review previous consultant recommendations
 - 1d. Review of best practice
 - 1e. Develop report
2. Status Report on ABM and DTA at MPOs
 - 2a. Identify MPOs to survey
 - 2b. Develop survey instrument
 - 2c. Conduct survey
 - 2d. Analyze results
 - 2e. Develop report
3. Strategic Plan
 - 3a. Coordination
 - 3b. Stakeholder input

