

SCAG Heavy-Duty Truck Model Update

Modeling Task Force
January 24, 2007



Transportation leadership you can trust.

Status of Tasks

- Task 1 – Trip Production Model Update – Done
- Task 2 – Review Existing HDT Model – Done
- Task 3 – Truck Travel Survey – In Progress
 - Collected data and developed preliminary trip table for Warehouses/Distribution Center/Terminals
 - Completed pre-tests of truck trip diaries and made recommendations on improvements to sampling methodology for main surveys
 - Main surveys are in progress

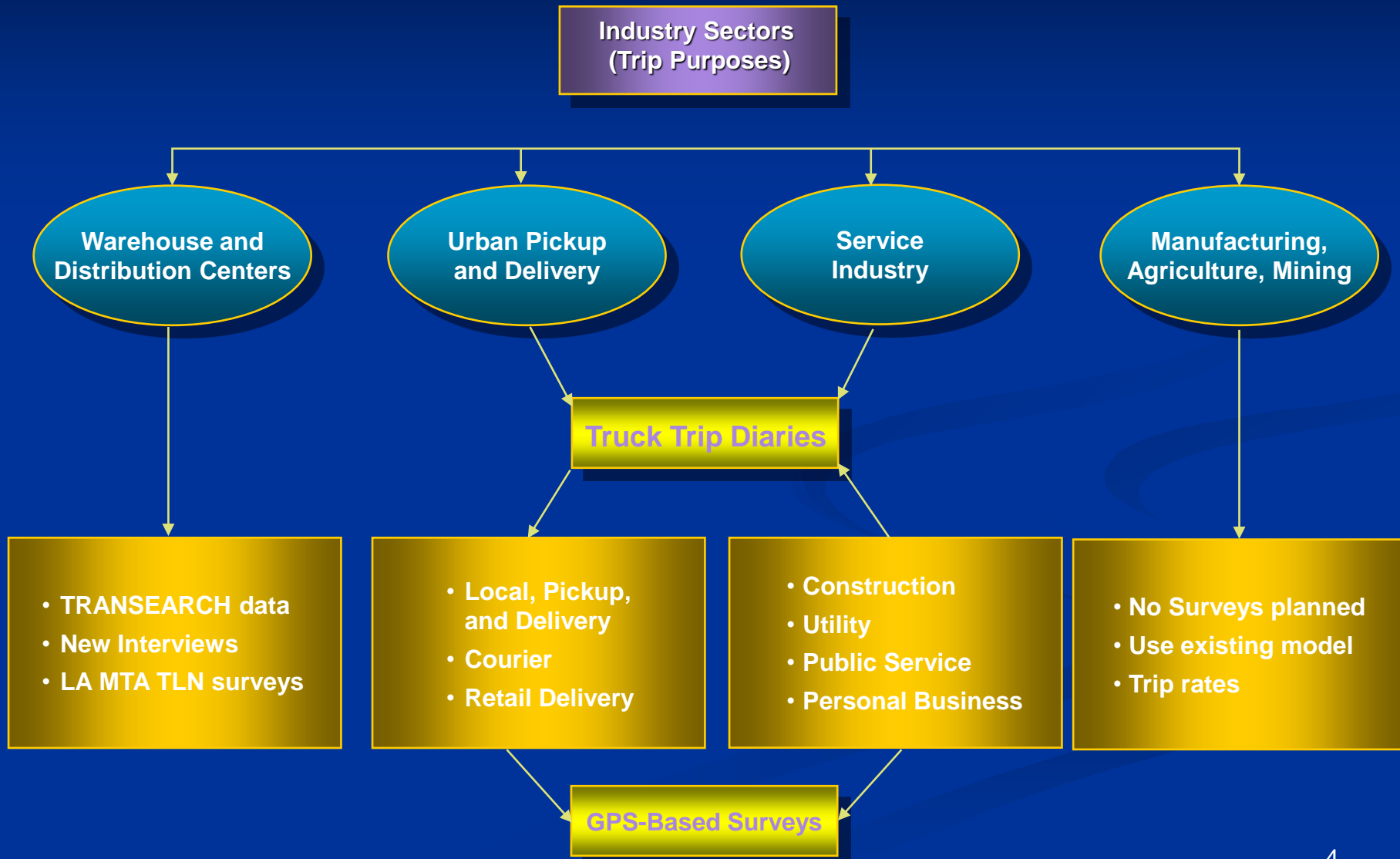
Status of Tasks

- Task 4 – External Trucks, Data – Done
- Task 5 – External Truck Model – Done
- Task 6 – Trip Generation and Distribution Models – In progress
 - Developing trip rates and trip length frequency distributions for Warehouses/Distribution Center/Terminals
 - Developed methodology for trip generation and distribution models
 - Developing TransCAD scripts for trip generation and distribution models
- Task 7 – Port Trip Models – Done

Status of Tasks

- Task 8 – Truck Assignment – In Progress
 - Time of day factors
 - Update PCEs
 - Truck speed post processing methodology
 - Truck prohibitions
 - TransCad Coding
- Task 9 – Model Validation – In Progress
 - Truck counts started – 2/19/07
- Task 10 – HDT Forecasts – Not started
- Task 11 – Recommendations – Not started

Survey Methodology



Truck Travel Survey

- Pre-Test of Truck Survey - Completed
- Truck Survey Status:
 - Survey started Jan 2nd
 - 1750 Introduction Letters Mailed
 - 260 companies recruited
 - Survey materials mailed – survey diaries
 - Receiving back dairies – response rate ?
- Target Number of Truck Surveys
 - Recruit – 4,000
 - Target – 2,000
 - Committed Completes – 1,700
- Schedule – Complete Survey late February

Thank you