

## **Proposed Scope of Work for High Cube Warehouse Trip Rate Study**

### **Task 1 – Warehouse Population Analysis**

A background review of the entire population of warehouses within the SCAQMD region will be conducted to determine the potential sample group. The review will focus on finding a sample set of high cube warehouses within SCAQMD that include a representative set of operators and sizes (all >100,000 ft<sup>2</sup>). Data sources could include previously collected SCAG data, other public data, or proprietary sources.

### **Task 2 – Business Surveys**

Approximately 500 surveys (draft example attached) to high cube warehouse operators will be sent out inquiring about basic operations at that facility. In order to maximize survey completion, substantial follow up will be conducted including via email, mail, and phone. The results from the surveys will be used to develop between 5-10 classifications of warehouse types. These classifications could be based on size (e.g., >500,000 ft<sup>2</sup>), and/or operation type (cross-dock, distribution center, light assembly/manufacturing, etc.), and/or product type (parcel, retail, etc.).

### **Task 3 – Conduct Truck Counts of Selected Facilities**

Based on the results of the surveys, a representative subset of facilities will be selected for on-the-ground truck counts by a local traffic engineering firm. The number of truck counts could vary from 50 to 100 location-days depending upon the results of the business surveys.

### **Task 4 – Final Report**

A final report that documents the study methods and results will be prepared and will also include a statistical analysis of an annual average day, seasonal peak day, 90% and 95% trip rates for various high cube warehouse types, along with all supporting data.

### **Task 5 – Model Development**

Depending upon the results of the first four tasks, a model/spreadsheet tool will be developed to estimate potential truck trip rates for new warehouse development. This model will be based on parameters identified in the previous work.