DAVID PLUMMER & ASSOCIATES
Short Range Truck Traffic Study
For the Airport West Area

Executive Summary
Objective

Develop a set of standards and an implementation plan to better accommodate truck traffic and commercial truckers’ needs in the Airport West Area.
Project Flowchart

(Research)

Conduct Survey

Select Corridors

Research Transferable Solutions
Project Flowchart

(Recommendations)

- Short Term Recommendations
- Long Range Recommendations
- Suggested Traffic Design Standards For Trucks
Study Area
Selected Survey Results (1/3)

What type of truck does your business use?

- Delivery vans: 33%
- Medium straight trucks (6 wheels): 17%
- Tractors, Semi-Trailers-Singles: 17%
- Light straight trucks (4 wheels): 17%
- Other: 16%

The type of business conducted by your firm.

- Wholesale: 26%
- Freight forwarding: 14%
- Local distribution: 12%
- Other: 48%
When do you most use these area roadways?

- Mid-afternoon: 29%
- Afternoon rush hour: 27%
- Mid-morning: 22%
- Other: 22%

Selected Survey Results (2/3)
The worst AWA problem (for drivers)?

- Congestion: 52%
- Getting through intersections: 28%
- Sharing the road with large trucks: 11%
- Other: 9%

The worst AWA problem (for business)?

- Congestion: 55%
- Rush hour deliveries: 20%
- Turning radius for trucks: 12%
- Other: 13%
Short Term Solutions

- Intersection
- Ridesharing
- Shuttle Service
- Preferential Parking
- Alternative Work Hours
- Telecommuting
Short Term Solutions

• Signal Re-timing

• Elimination and Relocation of Traffic Signals

• Restriction on Turning Movements

• Access Management

• Incident Management
Long Term Solutions

• **Road Widening**
  - NW 58 Street from NW 102 Avenue to NW 107 Avenue - Widen from 2 to 4 lanes
  - NW 87 Avenue from NW 36 Street to 58 Street - Widen from 4 to 6 lanes
  - NW 107 Avenue from NW 41 Street to 25 Street - Widen from 4 to 6 lanes
  - NW 36/41 Street from NW 42 Avenue to HEFT - (super arterial)

• **Development of Trip Reduction Ordinance**

• **Development of a Super Arterial**
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Appendix D
Suggested Traffic Design Standards
Suggested Truck Traffic Design Standards

- Turning Radius
- Curb Returns
- Lane Widths/ Shoulders
- Cul-De-Sac
- Turn Bay Storage
- Driveway Spacing
- Driveway Geometry