Right-of-Way Maintenance
City of Dallas/Texas Department of Transportation (TX DOT)

Presented to
Quality of Life Committee
Department of Street Services

January 23, 2006
Purpose

- Provide an overview of the Department of Street Services R.O.W maintenance efforts
- Provide an overview of the TX DOT R.O.W maintenance efforts
- Discussion of City of Dallas and TX DOT Partnership
Department of Street Services
Maintenance Efforts

- Street Services delivers three services for right-of-way (R.O.W.) maintenance: Median mowing, Street sweeping, and Response litter removal
Median Mowing/Maintenance

Median Mowing/Maintenance provides for:

- Mowing of median and R.O.W. every 14 days during growing season
- Litter pick-up in advance of mowing
- Blade edging and weed eating (around utility poles, guardrails, etc.)
- Herbicide application
- Removal of grass clippings from streets and curbs
- Tree and shrub trimming in non-growing season
Median Mowing/Maintenance

- Current scope of operation
  - Maintains in excess of 1,650 acres
  - Each mowing of the 1,650 acres represents one cycle
  - Within a typical year, 18-19 cycles are completed
  - Within a typical year 1,600 cubic yards of debris is removed
Street Sweeping

- This service is performed to extend the life cycle of a street and improve aesthetics of Dallas’ roadways.

- **Current Scope of Operations**
  - Currently sweeps major thoroughfares once a month (12 cycles/year) and streets in the CBD area five times a week.
  - After a Snow & Ice events, coordinated efforts are taken to address sand removal, and other special events, accidents, etc..
  - Each sweeping cycle consists of approximately 2,200 gutter miles.
  - FY2005 sweeping operations generated an excess of 5,400 cubic yards of debris to be disposed
Litter Removal

- This service addresses high concentration of debris in highly visible areas
- The primary areas being targeted are located in or in close proximity to the Central Business District
R.O.W Maintenance Funding

- Median Mowing -- $2.1M
- Street Sweeping -- $1.5M
- Response Litter Removal -- $40K

Total: $3.64M
Texas Department of Transportation Maintenance Efforts

- **Prairie Look Design**
  - State Mowing specifications require 2-3 mowing cycles per year system-wide
  - Herbicide application cycles are typically twice a year
  - In urban areas 4-6 mowing cycles are completed per year
  - Grass height is designed to average (7) seven inch
  - Response mowing is available to address safety concerns

- **Litter removal**
  - Not sequenced with mowing operation
  - Pick-up based on cubic yards of debris per acre [3cy/acre]
Cooperation with TX DOT

- TX DOT has agreed to address the City’s problem areas pertaining to the following:
  - Safety issues
  - Visibility obstructions
- TX DOT scope of work maybe changed when a city desires a higher level of treatment
  - **Location exchanges** – Increase frequency in one area for decrease frequency in others
  - City supplements – Adding cycles between regular scheduled cycles
  - Full adoption – Assume maintenance responsibilities (at the city’s expense)
- TX DOT will not increase the number of cycles to be maintained.
City of Dallas
Unit Cost per Service

- **Median Mowing/Maintenance**
  - Average mowing cost per acre is currently $64.50;
  - Maintains 1,650 acres
  - 18-19 cycles annually

- **Street Sweeping**
  - Average sweeping cost per gutter mile is currently $19.50
  - Maintains 2,200 gutter miles.
  - 12 cycles annually

- **Litter Removal**
  - Cost associated with this service is based on an hourly rate ($15/hr)
  - Approximately 2,600 work hours annually
TX DOT Collaborative Efforts

- Other cities/entities have elected to have a higher level of service:
  - Plano – Full adoption
  - Richardson – Full adoption
  - Irving – Full adoption and Supplements
  - Mesquite – Full adoption and Location exchange
  - Downtown Improvement District -- Full adoption and Supplements
  - Uptown Public Improvement District -- Full adoption and Supplements