

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

| | |
|--|--------------|
| <input type="checkbox"/> Median Mowing -- | \$2.1M |
| <input type="checkbox"/> Street Sweeping -- | \$1.5M |
| <input type="checkbox"/> <u>Response Litter Removal --</u> | <u>\$40K</u> |
| | |
| <input type="checkbox"/> 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.

APPENDIX

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

