ICMA Benchmarking Project
FY 2007 Data Report

Highway and Road Maintenance
Department of Street Services
September 18, 2008

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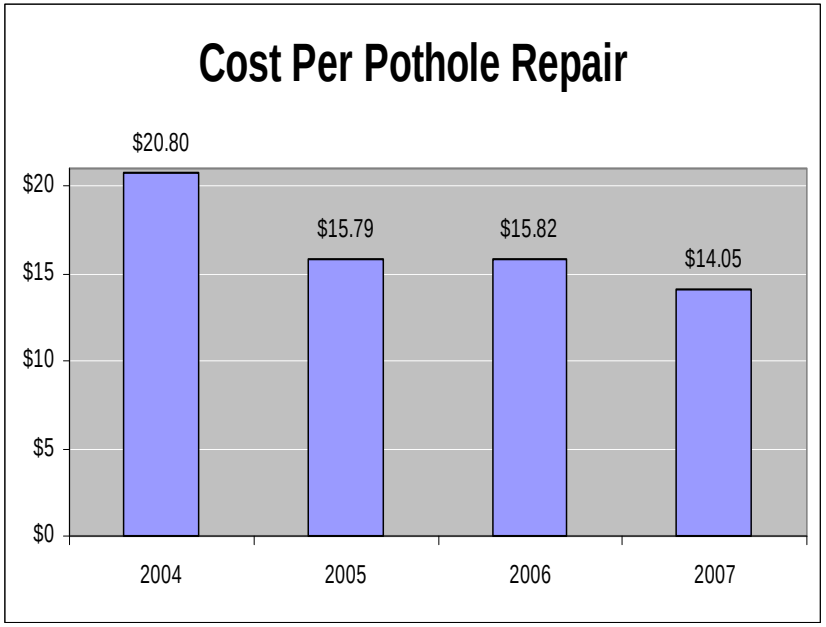
CENTER FOR
PERFORMANCE MEASUREMENT

ICMA 2004 Thru 2007

Cost per Pothole Repair

- 2004 started at $20.80/repair
- Cost dropped to $16 in 2005 and 2006 attributed to:
  - Standardized pothole to 3'X3'
  - Newer fleet of patch trucks
    - Less down time
    - More efficient
- Cost drop to $14 in 2007 attributed to:
  - Higher than normal winter freeze days
  - Record number of rain days during spring/summer 07
    - Higher volume/concentration of potholes
    - Emphasis on eliminating hazards as quick as possible

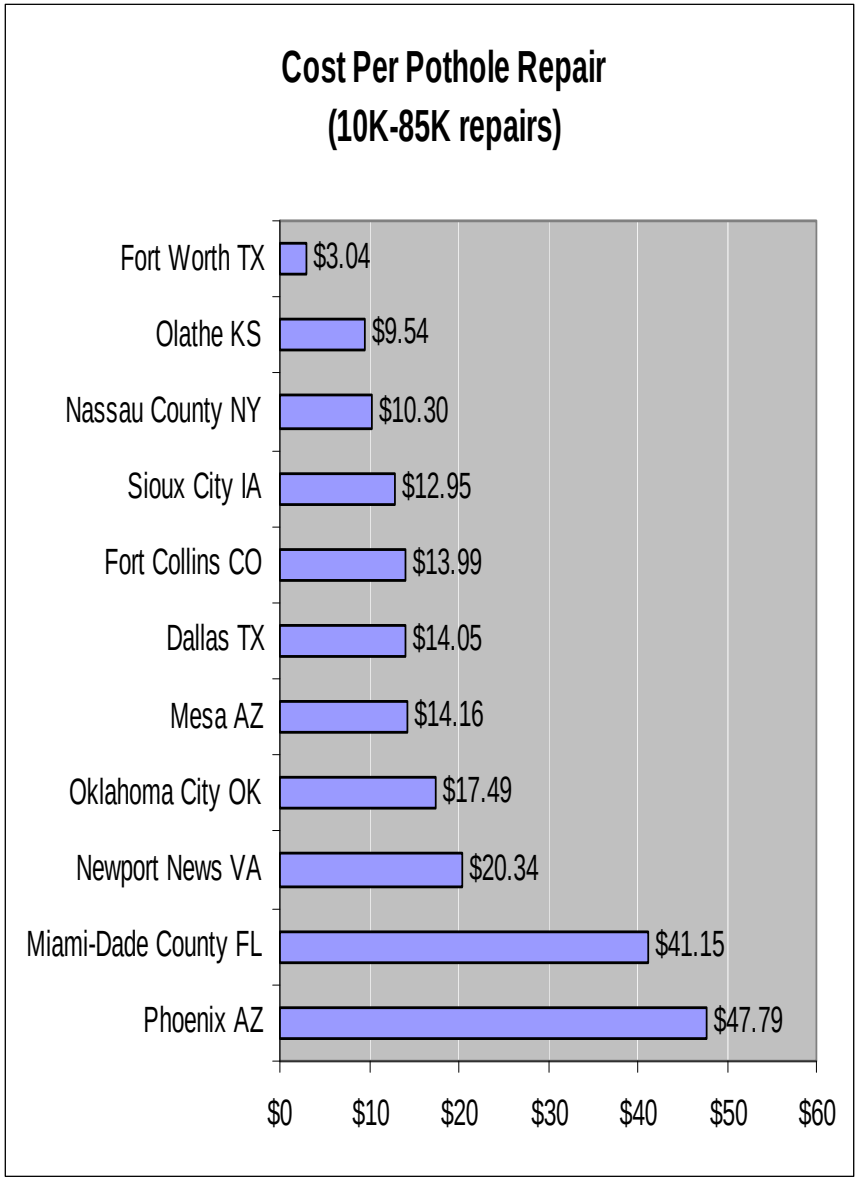


Dallas' comparative position to other jurisdictions

(Cost Per Pothole Repair)

- Repair 10k and 85k potholes
- Dallas is in middle of range
- Between $3.04 and $47.79
- Wide cost differential attributed to variances in:
  - Size of potholes
  - Scope of work
  - Type of materials
  - Type of equipment
  - Crew size

Jurisdiction & St	Potholes Repaired	Cost / Repair
Fort Worth TX	84,754	$3.04
Olathe KS	11,948	$9.54
Nassau County NY	20,215	$10.30
Sioux City IA	22,447	$12.95
Fort Collins CO	11,918	$13.99
Dallas TX	34,528	$14.05
Mesa AZ	11,436	$14.16
Oklahoma City OK	81,677	$17.49
Newport News VA	12,534	$20.34
Miami-Dade County FL	20,867	$41.15
Phoenix AZ	16,675	$47.79



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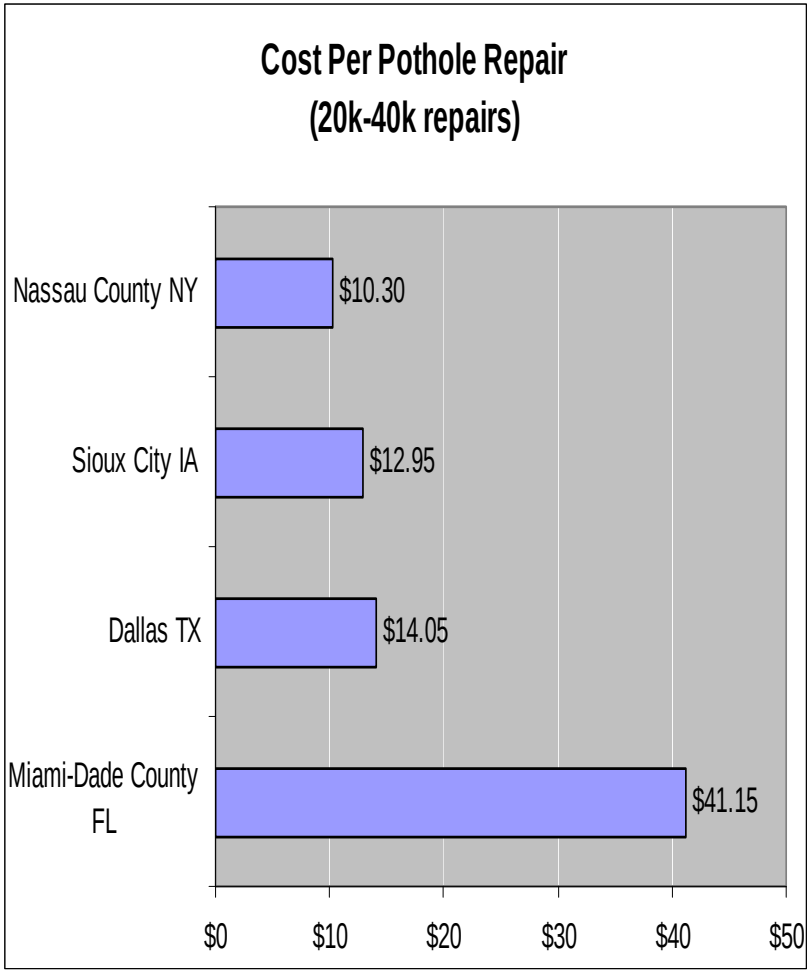
Dallas' comparative position to other jurisdictions

(Cost Per Pothole Repair)

- Similar # of pothole repairs (20k-40k)
- Dallas compares well versus peer jurisdictions:

Jurisdiction	Repairs	Cost/Repair
Nassau County NY	20,215	$10.30
Sioux City IA	22,447	$12.95
Dallas TX	34,528	$14.05
Miami-Dade Co FL	20,867	$41.15



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ICMA 2004 Thru 2007

Cost per Gutter Mile Swept

- Street sweeping costs had remained steady for 3 yrs at $20/GM
- Drop to $17.44 in 2007 attributed to:
  - 60% of street sweeping is outsourced
    - Competitive market
    - Current contract dropped from 19.50/GM to $14.29/GM

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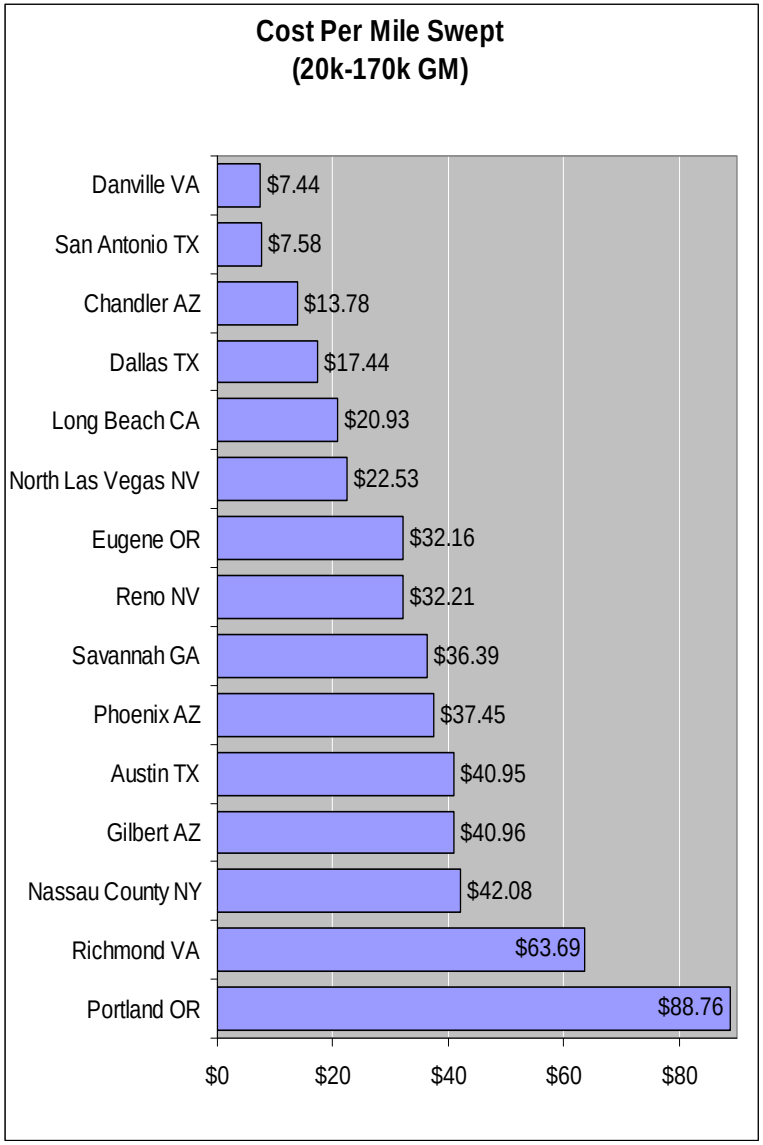
Dallas' comparative position to other jurisdictions

(Cost Per Gutter Mile Swept)

- 20k and 170k gutter miles swept/yr
- Dallas' cost/GM is relatively low @ $17.44/GM
- Wide cost range: $7.44 to $88.76
- Several factors can affect cost:
  - High snow areas result in higher sweeping costs
  - Residential streets sweeping generally higher than sweeping arterial and majors
  - Higher number of cycles result in lower costs
  - Scope of work (some include street flushing)

Jurisdiction & State	Miles Swept	Cost/Mile
Danville VA	21,833	$7.44
San Antonio TX	44,515	$7.58
Chandler AZ	68,024	$13.78
Dallas TX	42,477	$17.44
Long Beach CA	170,288	$20.93
North Las Vegas NV	82,877	$22.53
Eugene OR	33,753	$32.16
Reno NV	37,536	$32.21
Savannah GA	33,880	$36.39
Phoenix AZ	172,252	$37.45
Austin TX	46,254	$40.95
Gilbert AZ	43,337	$40.96
Nassau County NY	25,628	$42.08
Richmond VA	20,363	$63.69
Portland OR	45,525	$88.76



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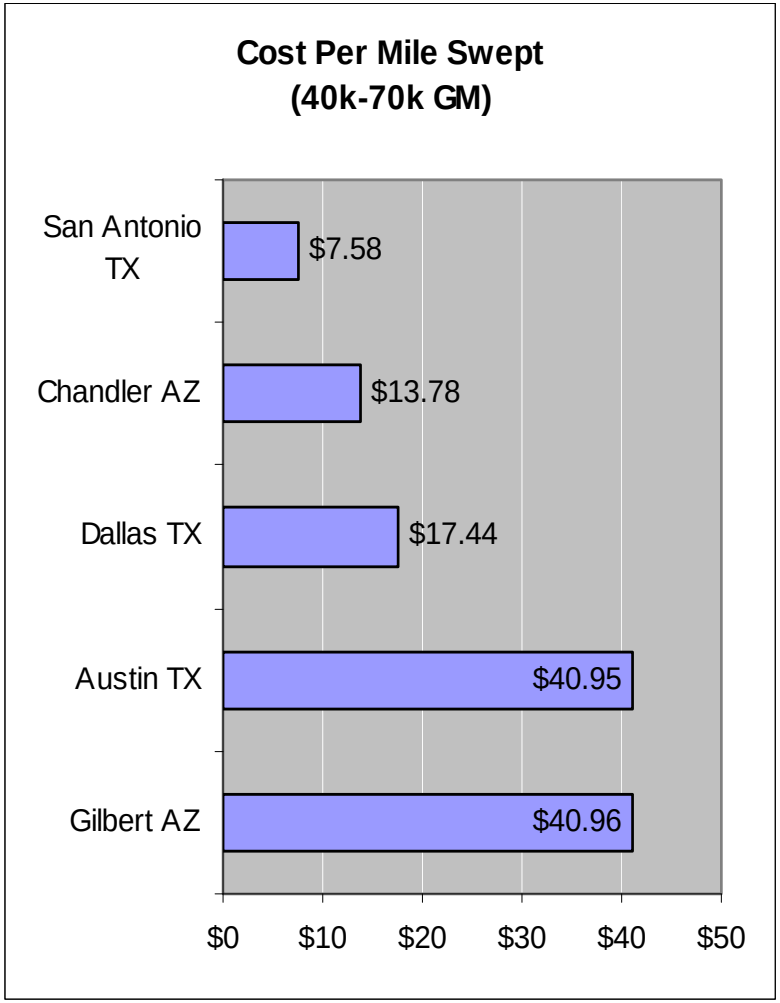
Dallas' comparative position to other jurisdictions

(Cost Per Gutter Mile Swept)

- Similar number of miles swept per year
  - 40k to 70k GMs/Yr
- Little or no snow annually
- Dallas in mid-range versus peer cities

Jurisdiction	Miles Swept	Cost/Mile
*San Antonio TX	44,515	$ 7.58
*Chandler AZ	68,024	$13.78
Dallas TX	42,477	$17.44
*Austin TX	46,254	$40.95
*Gilbert AZ	43,337	$40.96

* All jurisdictions above (except Dallas) perform residential street sweeping



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Proposed Actions

Staff will contact peer jurisdictions to:

- Discuss Pothole Repair
  - Size of potholes
  - Scope of a pothole repair
  - Type of material used
  - Type of equipment used
  - Crew size
- Discuss Street Sweeping Operations
  - Frequency of sweeping cycles
  - Scope of work included in street sweeping
  - Type of streets swept (residential, arterial, majors etc)

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Questions/Comments?

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