

Drainage and Streets

The Underfunded Infrastructure

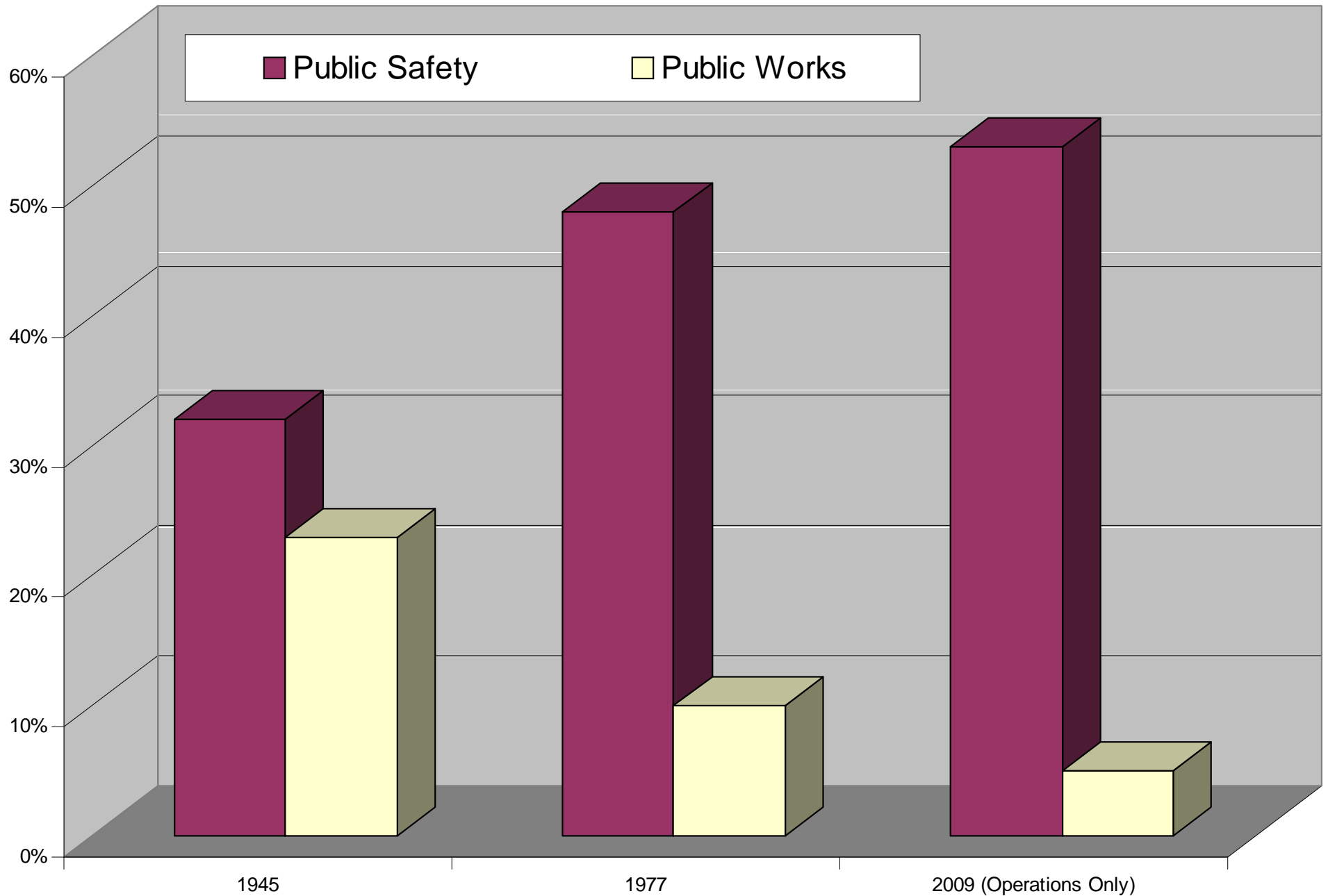


Stephen C. Costello

Houston City Council At-Large Position 1

Chair, Flooding and Drainage Committee

Houston's Funding Trend



Drainage Problems in the City

- Older neighborhoods
 - Badly needed upkeep
 - Poor original plans
- Sheet flow design
- Isolated, intense rainfall



Current System

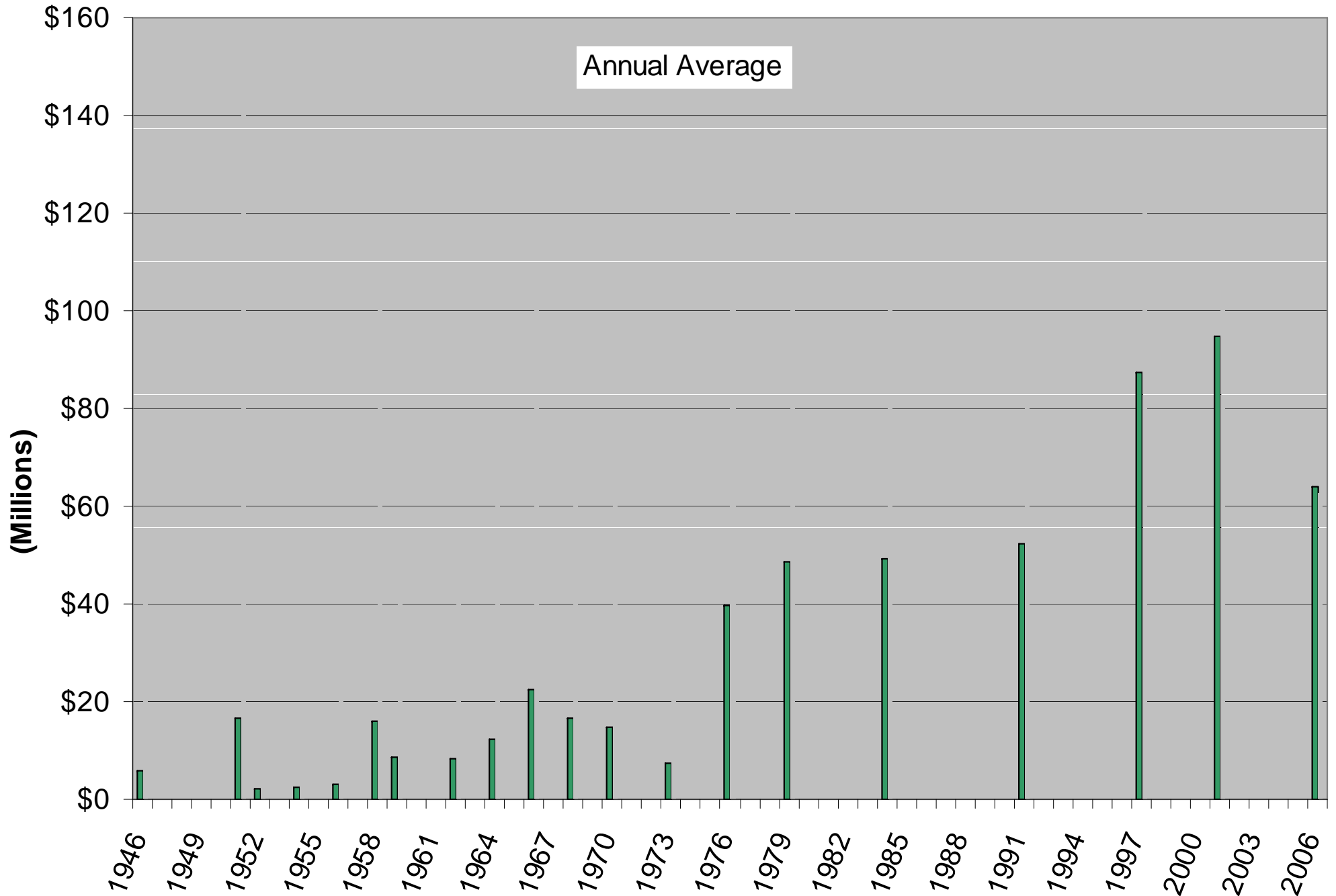
- 2,800 miles of road side drainage ditches
- 3,300 miles of storm sewers
- 16,000 lane-miles of roadways

- 60-65% all above infrastructure is past its useful life
- 80% will be past its useful life in 20 years

Current Replacement Costs

- To replace the 60-65% of the infrastructure it will cost:
- \$4.9 billion for storm sewers
- \$4.2 billion for streets
- \$0.8 billion for bridges

Bond Issue / Election Trends



Current Funding

■ Streets

- Capital Improvement Plan (Debt finance) \$70 million
- Capital Improvement Plan (Metro) \$55 million
- Maintenance (Metro) \$33 million

■ Drainage

- Capital Improvement Plan (Debt finance) \$58 million
- Maintenance (Combined Utility System) \$34 million

Current Programs

- Localized Drainage Improvements Program
 - Individual, specific drainage projects costing less than \$500,000 with a wait time up to 5 years.
- Neighborhood Street Reconstruction (NSR)
 - Complete overhaul and redesign of street and storm drains with a wait time of about 12 years.
- Capital Improvement Plan (CIP)
 - Funds the City's capital projects with large debt payments.

New Streets and Drainage

■ Benefits

- Reduce people's fear of leaving home when it rains
- Strengthen the foundation of our communities
- Make communities safer
- Allow emergency vehicles easy/fast access to our neighborhoods and businesses
- Increase quality of life
- Encourage economic development

Proposition 1

- **Charter Amendment to secure funding**
 - Establish Dedicated Drainage & Street Fund
 - Development Impact Fee
 - Drainage User Fee
 - Pay-as-you-go use existing funding stream
 - Capture all external \$\$ into Fund

Dedicated Drainage & Street Fund

<i>Revenue</i>	<i>10 Years</i>	<i>20 Years</i>	<i>30 Years</i>
<i>Impact Fee</i>	101,000,000	275,000,000	437,000,000
<i>Drainage Fee</i>	1,450,000,000	3,800,000,000	6,050,000,000
<i>Captured \$\$</i>	293,000,000	2,317,000,000	5,770,000,000
<i>3rd Party Funds</i>	1,071,000,000	2,386,000,000	3,814,000,000
<i>Sub-total</i>	2,915,000,000	8,778,000,000	16,071,000,000
<i>Less O&M \$</i>	-759,000,000	-1,685,000,000	-2,691,000,000
<i>TOTAL CIP</i>	2,156,000,000	7,093,000,000	13,380,000,000

City of Houston

Flooding and Drainage Committee

- City Hall Committee meetings
- Full Committee meetings in the community
- Regional town hall meetings
- Super neighborhood and civic club meetings
- Open and transparent communication with the public