

Infrastructure Maintenance and Transportation in the Urban Core

Lack of a coordinated urban core transportation plan that includes road conditions, pedestrian safety, lighting, signage, buses, and stormwater management

- Road Funding
- Non-Motorized
- Water and Sanitary Piping
- Stormwater
 - * Street Trees
- Capital Improvements Plan (CIP)

INTRODUCTION

- Act 51
- Street Resurfacing Millage
- Metro Act

ROAD FUNDING

Act 51 Funds

- Gas Tax
- License Plate Fees
- Dispersed to Communities from State
 - * Population
 - * Local and Major Street Miles

ACT 51

Maintenance Use of Act 51 Funds

- Street Surfaces (potholes & major patching)
- Snow and Ice Control
- Street Sweeping (partial)
- Signs and Pavement Markings
- Traffic Signals and Fiber Network

USE OF ACT 51 FUNDS

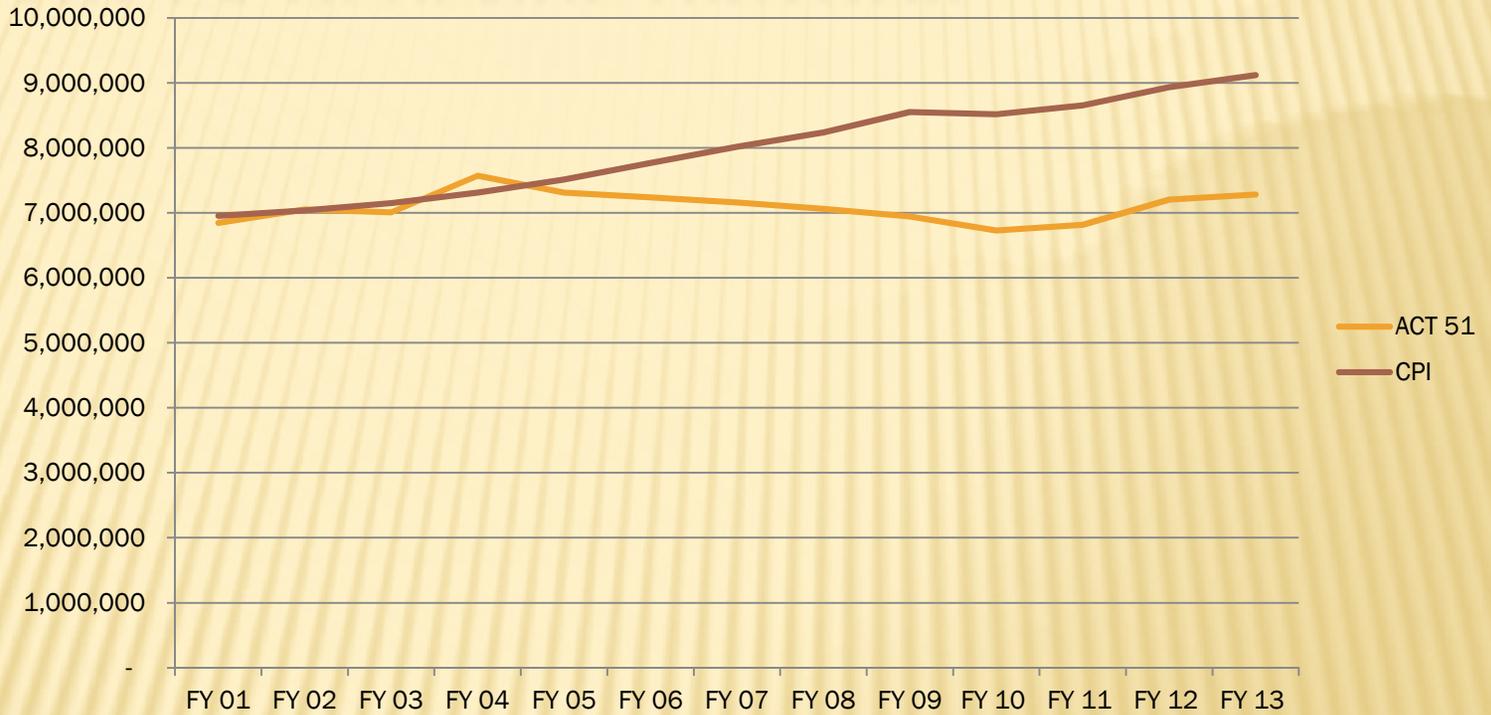
Act 51

Revenues

- Essentially flat last 10+ years
- Real purchasing power declined approx. 25+%

ACT 51

ACT 51 REVENUE HISTORY

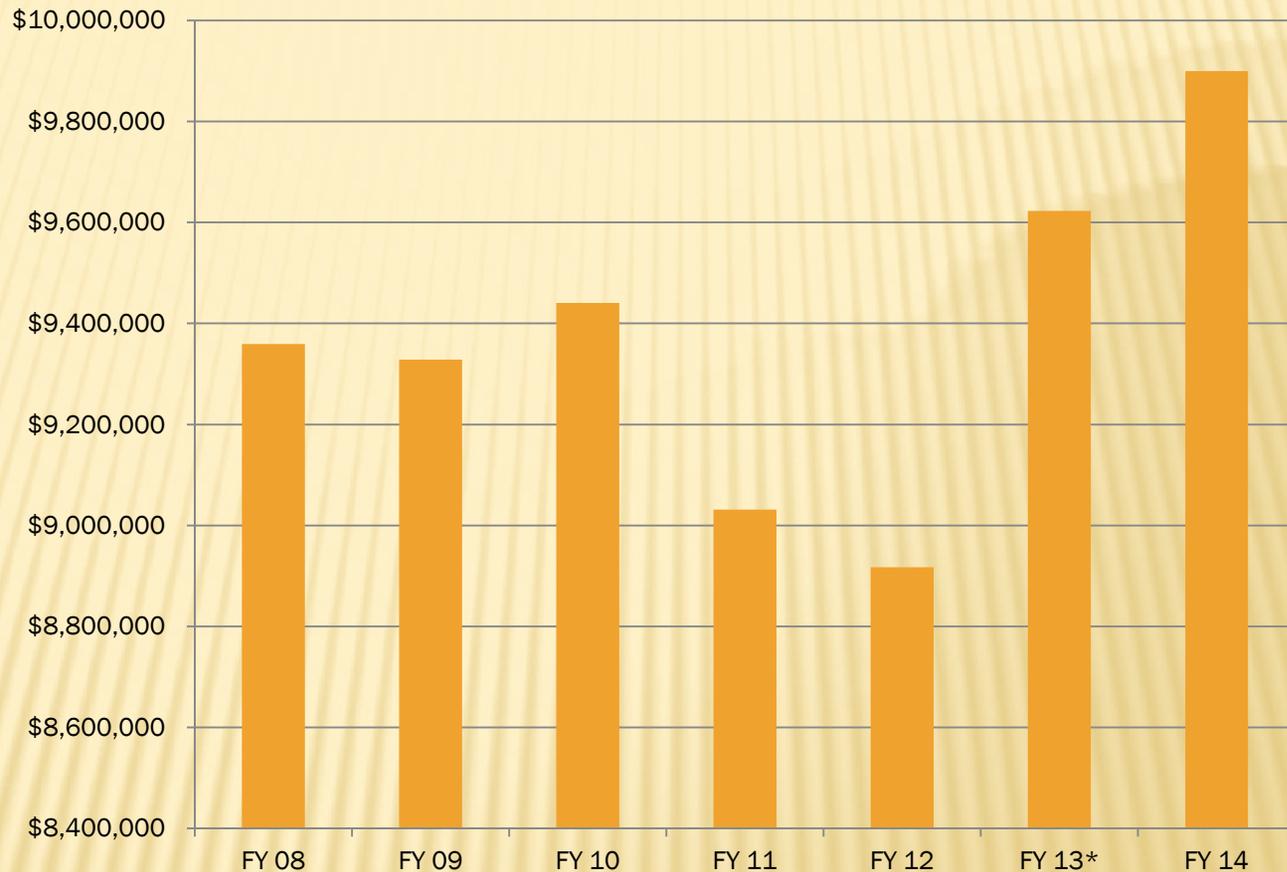


- Voter approved 5-year cycle
- Currently generates \$9.8 million with sidewalk repair (\$9 million or less during recession)

STREET RESURFACING MILLAGE

STREET MILLAGE REVENUE HISTORY

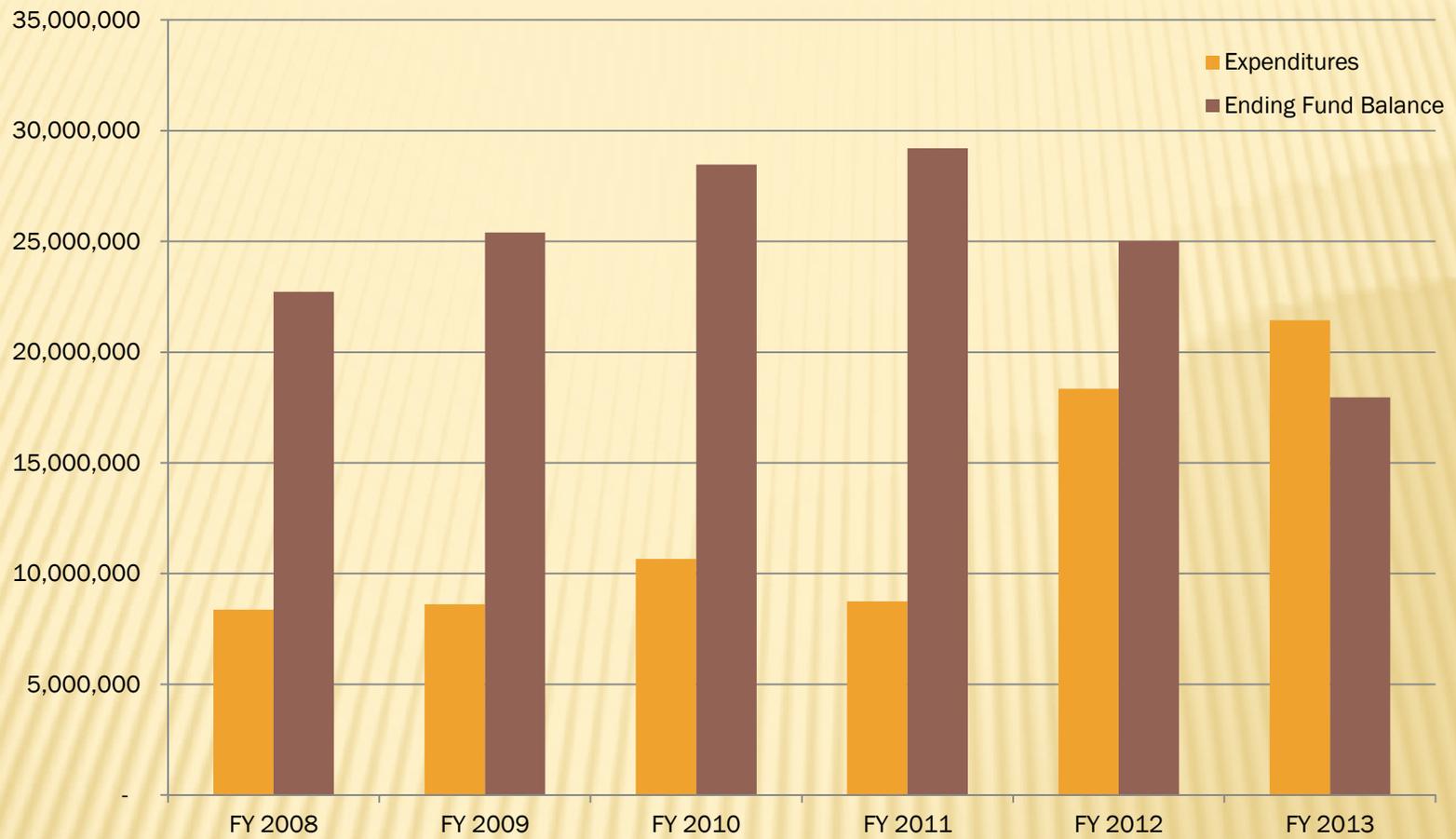
FY 08	\$ 9,359,283
FY 09	\$ 9,328,144
FY 10	\$ 9,440,434
FY 11	\$ 9,031,456
FY 12	\$ 8,917,409
FY 13*	\$ 9,623,061
FY 14	\$ 9,899,840



*Sidewalk Levy began in FY 13

- Used to reconstruct Local and Major Streets
- Used to repair existing sidewalks
- Used for Local share of State and Federal Grants
- Built Fund Balance for Ann Arbor Bridges
- Increased Expenditures FY12, FY13 and FY14
- GOAL – To have 1 year of reserves

STREET RESURFACING MILLAGE



STREET MILLAGE

- State Tax on Telecommunication
- Distributed based on linear feet of Telecom

Funds are used to:

- Maintain facilities in a ROW
- Cannot be used for new installations

METRO FUNDS

Funding Source	FY2012	FY2013	FY2014 (Forecasted)	FY2015 (Requested)
Act 51	\$7,616,734	\$7,876,113	\$9,419,538	\$8,956,611
Millage	\$18,196,027	\$21,442,274	\$14,260,597	\$10,937,699
Metro	\$347,637	\$159,011	\$258,713	\$263,170
TOTAL	\$26,160,398	\$29,477,398	\$23,938,848	\$20,157,480

ROAD FUNDING SUMMARY

- 9-Member City Council appointed Task Force
- Assigned to review Pedestrian Safety
 - * Crosswalks
 - * Sidewalks
- Use methodology/guidance of Federal Highway Administration
- Recommendations due August 2015

PEDESTRIAN SAFETY TASK FORCE

Funding Awarded for RRFB Locations

- Geddes Avenue
- Fuller Road
- South University Avenue

Facilities on Road Projects

- Jackson Avenue
- Pontiac Trail
- Ann Arbor-Saline Road & I-94

Programs

- Safe Routes to School
- Education and Outreach
- Bike Share

ALTERNATIVE TRANSPORTATION

- 424 miles of Water Main
- 363 miles of Sanitary Main
- Mostly within the ROW, under roads

WATER AND SEWER PIPING

WATER MAINS BY THE NUMBERS

Decade Constructed		Feet of Main	Miles of Main	Percent of Total
1880		30,180	5.72	1.30%
1890		26,930	5.10	1.20%
1900		23,450	4.44	1.00%
1910	~20%	70,650	13.38	3.20%
1920		189,330	35.86	8.50%
1930		50,460	9.56	2.30%
1940		56,360	10.67	2.50%
1950	~53%	233,530	44.23	10.40%
1960		644,430	122.05	28.80%
1970		299,350	56.70	13.40%
1980		168,490	31.91	7.50%
1990	~27%	238,220	45.12	10.60%
2000		151,200	28.64	6.70%
2010		57,800	10.95	2.60%
TOTAL			2,240,380	424.31

SANITARY SEWER BY THE NUMBERS

Decade Constructed	Feet of Main	Miles of Main	Percent of Total
1910s	252,469.87	47.82	13.15%
1920s	151,082.82	28.61	7.87%
1930s	62,172.59	11.78	3.24%
1940s	60,186.40	11.40	3.14%
1950s	288,666.53	54.67	15.04%
1960s	501,027.74	94.89	26.10%
1970s	203,770.36	38.59	10.62%
1980s	140,317.46	26.58	7.31%
1990s	138,376.57	26.21	7.21%
2000s	63,311.74	11.99	3.30%
2010s	6,827.20	1.29	0.36%
unknown	51,106.00	9.68	2.66%
TOTAL	1,919,315.29	363.51	100.00%

~27%

~52%

~18%

~3%

25% OF TOTAL IMPERVIOUS AREAS ARE LOCATED WITHIN THE ROW

Green Streets Policy

- Water Quantity
- Water Quality

STORMWATER

STORMWATER OPPORTUNITIES

- Street Widths
- Surface - Pervious vs. Impervious
- Curb & Gutter vs. Swales
- Street Trees & Planter Design
- Stormwater Control
 - Water Quality
 - Water Quantity
- Street Maintenance



- Managed like other infrastructure systems
- 43,244 street trees
- Intercept 65,000,000 gallons of rainfall annually
- Define the character of a street

URBAN FORESTRY

- Comprehensive Pavement Condition Ratings
- Wastewater Treatment Plant Reconstruction
- Wet Weather Studies

OTHER MAJOR EFFORTS

Capital Improvements Plan (CIP)

- Multidisciplinary model to encompass multiple efforts across the City

Capital Improvements Process

- Balancing competing needs
- Limited resources
 - * Funds
 - * Staffing
 - * Time

CAPITAL IMPROVEMENTS PLAN

QUESTIONS
