VITAL STREETS

A VITAL COMPONENT OF A VIBRANT CITY

City of Grand Rapids

October 30, 2012

The Latest Honors for Grand Rapids!

2nd Best Place to Live in U.S.
Wall Street Journal Market Watch

Top 8 North American City Experiencing an Artistic Boom
Good

Best City for Raising a Family
Forbes.com

Best Place to Retire
Where to Retire Magazine

Beer City, U.S.A.
Examiner.com

Top 10 Vacation City for Beer Lovers
thestreet.com

25 Best Beer Cities in the World
drinkingmadeeasy.com

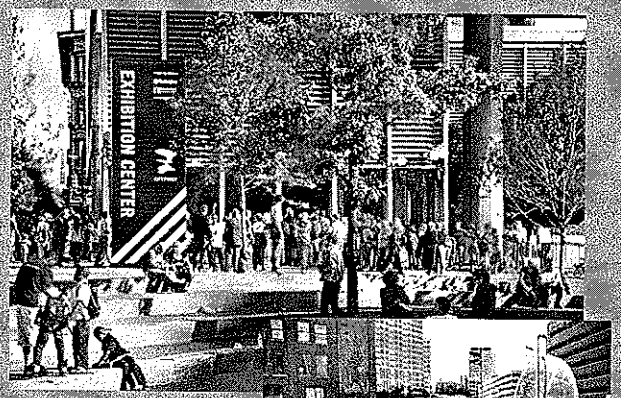
Top 10 City for Moms
The Daily Beast

Top 10 City for Happy Marriages
realage.com

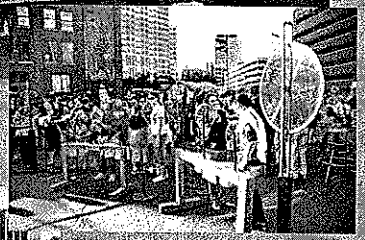
Top 10 Mid-Size City for Jobs
Forbes.com

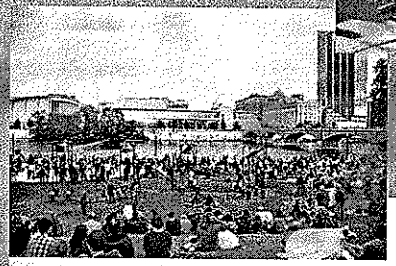
Best Places to Invest
Fox Business

Experience
GRAND RAPIDS
CONVENTION & VISITORS BUREAU
ExperienceGR.com

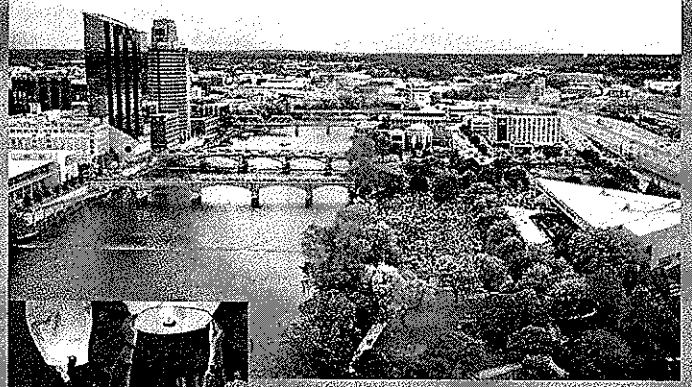


ArtPrize





2012



2002

- Average PCI

  Local Streets = 69

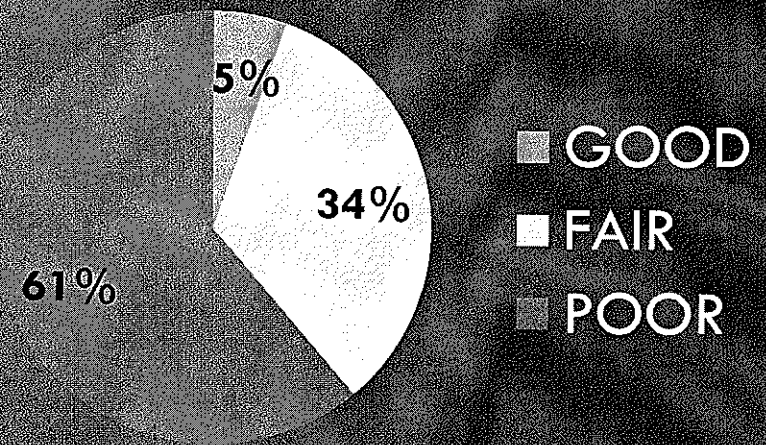
- Average PCI

  Major Streets = 63

- Critical Point = 55 - 70

CURRENT SURFACE CONDITION
ALL STREETS

2012

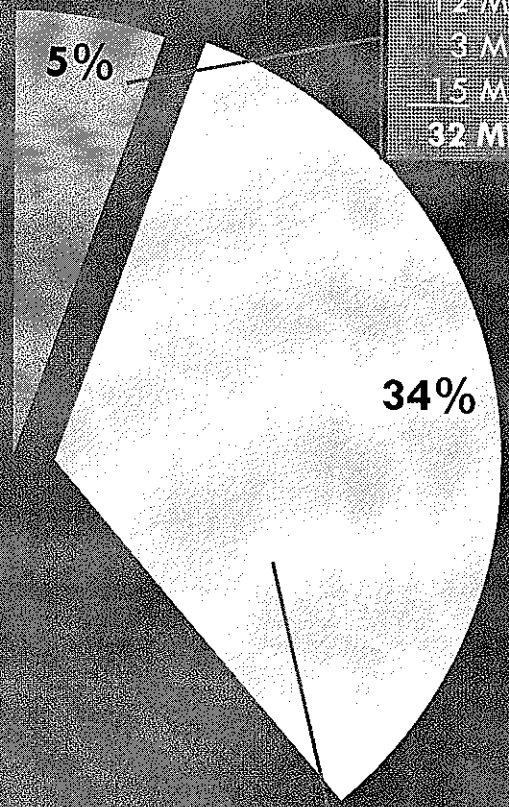


STREETS ARE A VITAL COMPONENT OF A VIBRANT CITY

City streets and rights-of-way will be accessible, attractive, and safe; serving all people of our community, contributing to the livability of our neighborhoods and business districts, and increasing economic opportunity to individuals, businesses, and new development.

Infrastructure assets will be maintained and well-managed, using a multi-faceted funding strategy and innovative approaches to preserve our investments.

CURRENT SURFACE CONDITION
ALL STREETS



GOOD

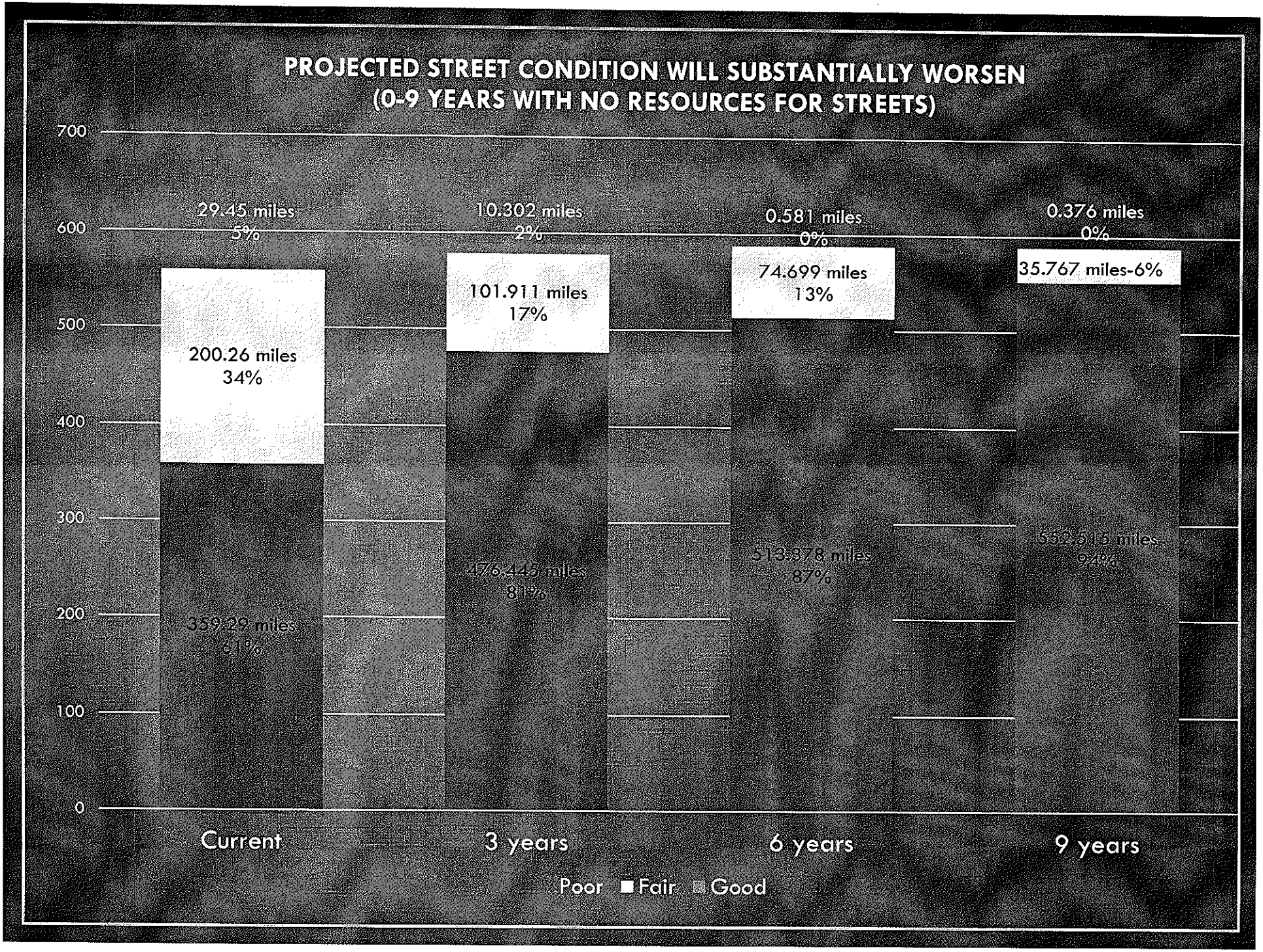
FAIR

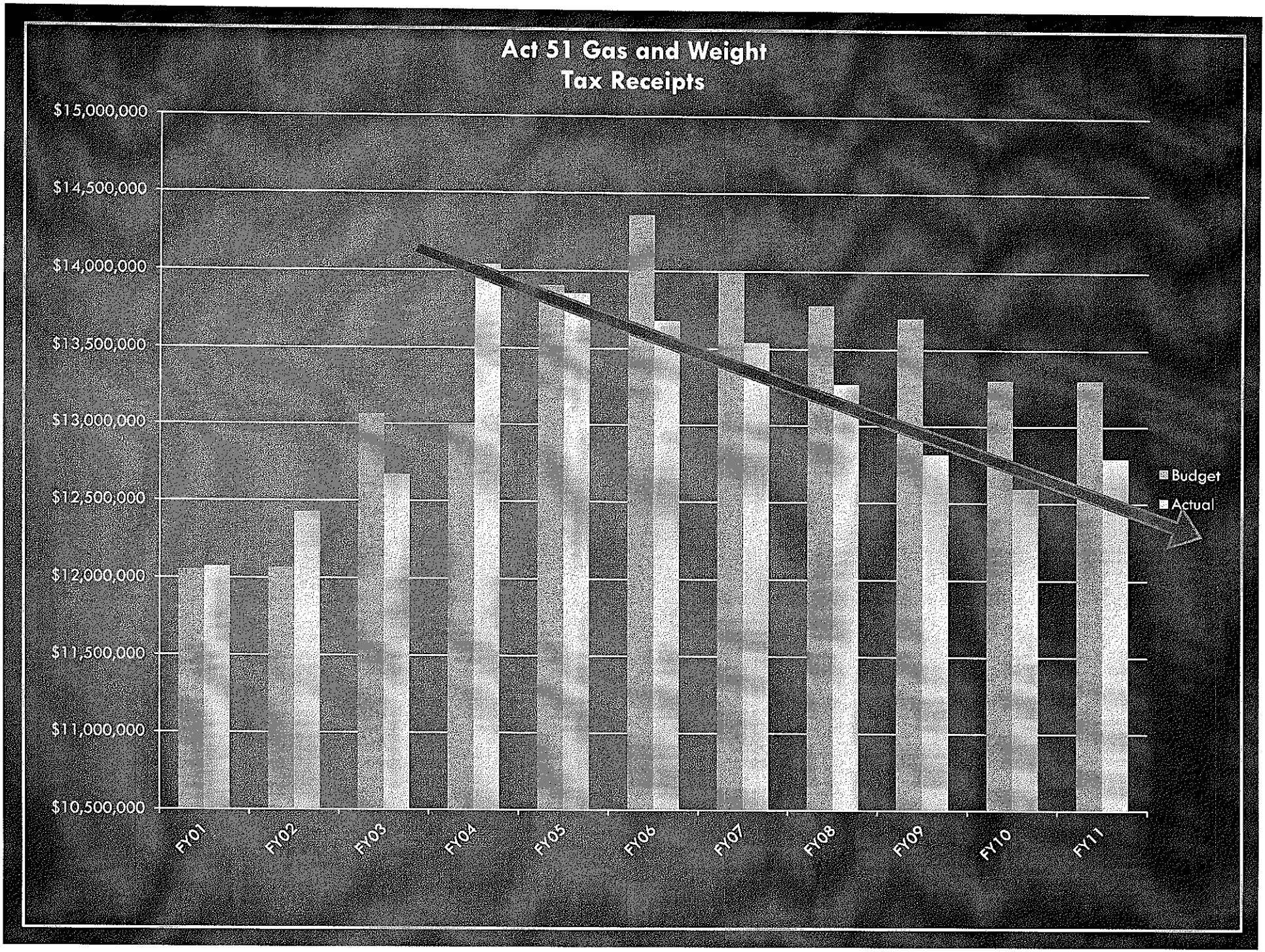
POOR

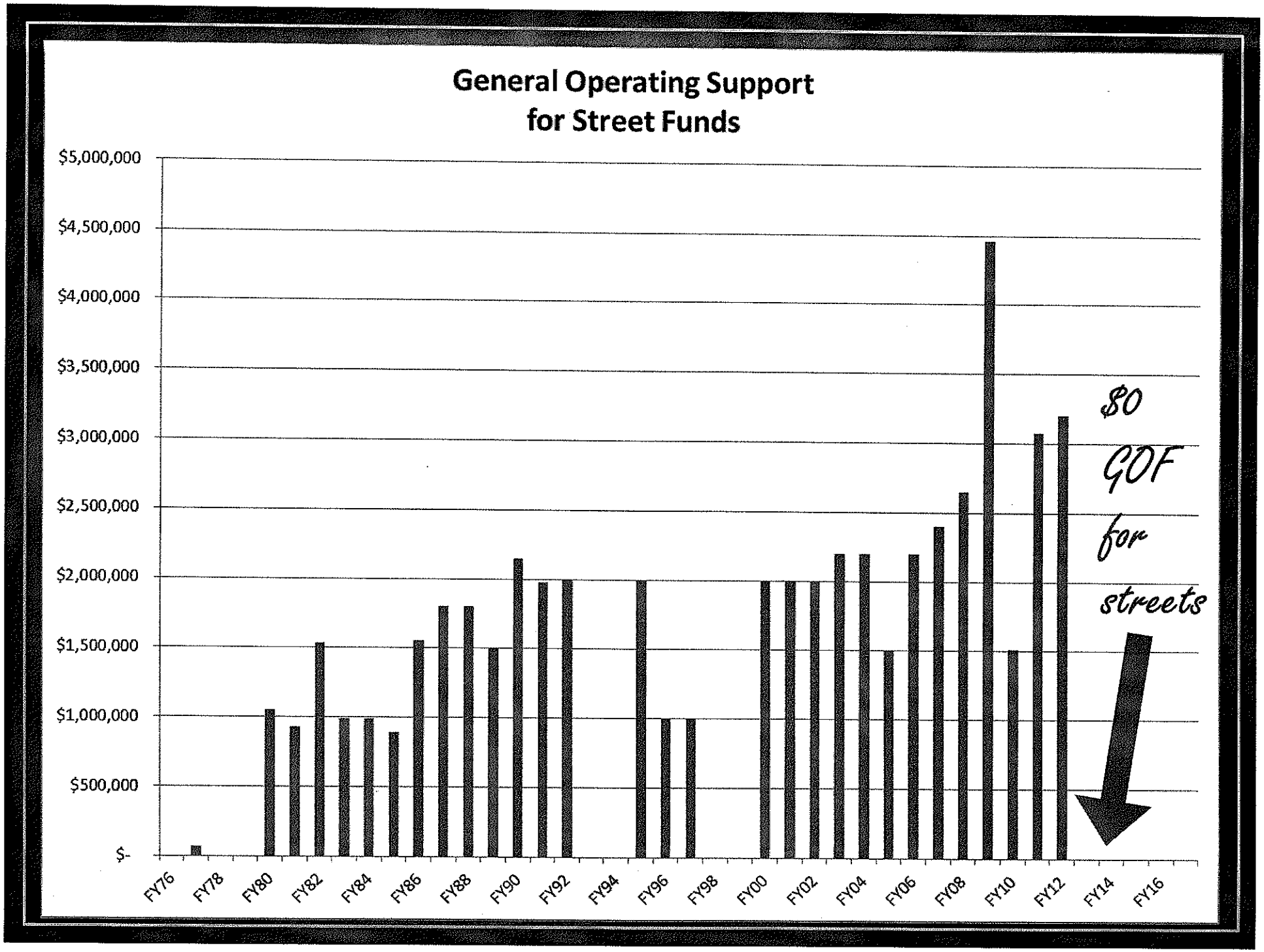
2 Miles of Principal Arterials
12 Miles of Minor Arterials
3 Miles of Collector Streets
15 Miles of Local Streets
32 MILES TOTAL

25 Miles of Principal Arterials
48 Miles of Minor Arterials
40 Miles of Collector Streets
247 Miles of Local Streets
360 MILES TOTAL

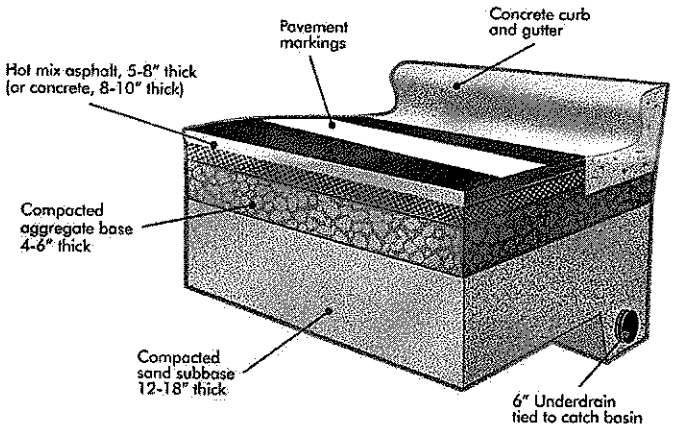
8 Miles of Principal Arterials
14 Miles of Minor Arterials
5 Miles of Collector Streets
170 Miles of Local Streets
197 MILES TOTAL

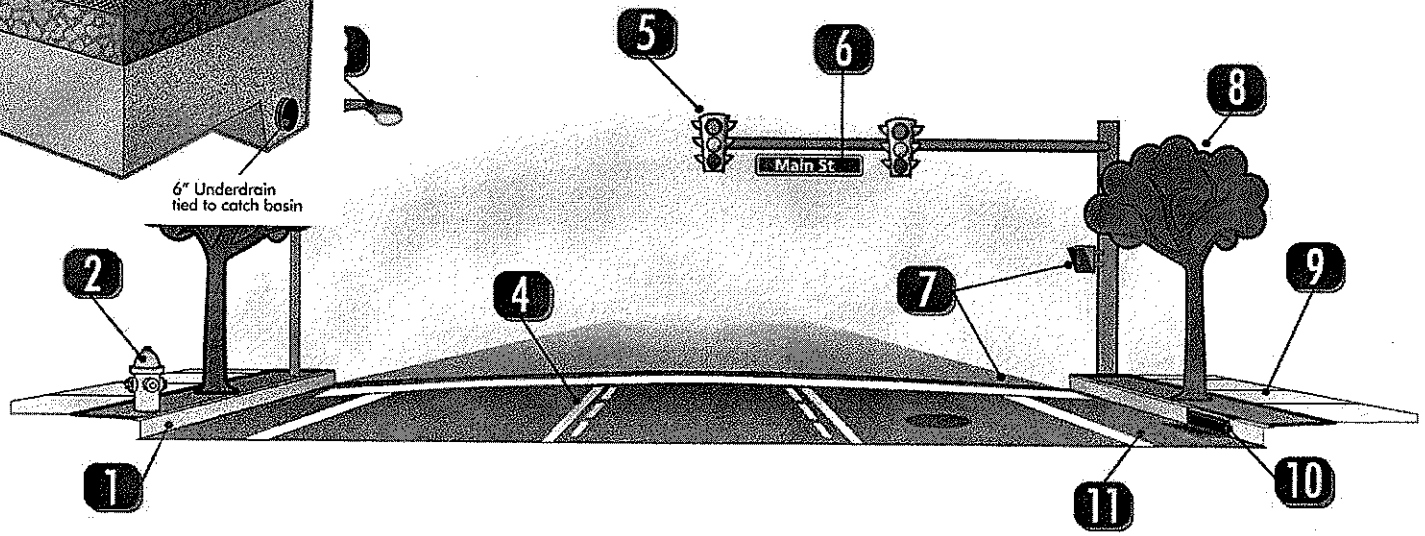

PROJECTED STREET CONDITION WILL SUBSTANTIALLY WORSEN
(0-9 YEARS WITH NO RESOURCES FOR STREETS)
700
600
500
400
300
200
100
0
29.45 miles
5%
200.26 miles
34%
359.29 miles
61%
10.302 miles
2%
101.911 miles
17%
476.445 miles
81%
0.581 miles
0%
74.699 miles
13%
513.378 miles
87%
0.376 miles
0%
35.767 miles-6%
552.516 miles
94%
Current
3 years
6 years
9 years
Poor
Fair
Good


Act 51 Gas and Weight
Tax Receipts
$15,000,000
$14,500,000
$14,000,000
$13,500,000
$13,000,000
$12,500,000
$12,000,000
$11,500,000
$11,000,000
$10,500,000
FY01
FY02
FY03
FY04
FY05
FY06
FY07
FY08
FY09
FY10
FY11
Budget
Actual


General Operating Support
for Street Funds
$5,000,000
$4,500,000
$4,000,000
$3,500,000
$3,000,000
$2,500,000
$2,000,000
$1,500,000
$1,000,000
$500,000
$-
FY76
FY78
FY80
FY82
FY84
FY86
FY88
FY90
FY92
FY94
FY96
FY98
FY00
FY02
FY04
FY06
FY08
FY10
FY12
FY14
FY16
$0
GOF
for
streets

The Anatomy of a Street





City funded street features

1. Curbs, Gutters and Drive approaches
2. Fire hydrants
3. Street lighting
4. Pavement markings
5. Traffic signals
6. Signs
7. Pedestrian crossings
8. Forestry
9. Sidewalks
10. Storm Sewers and Catch basins
11. Bike lanes

These features and services are also funded with City dollars

Snowplowing

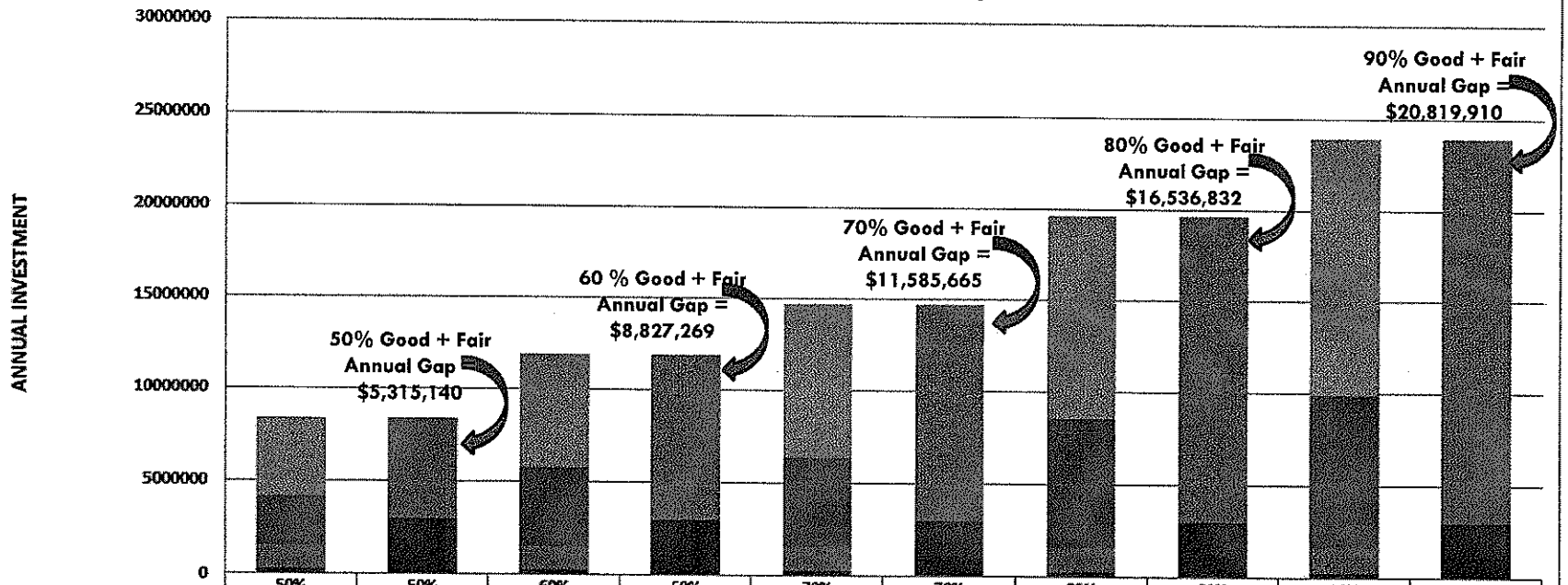
Street sweeping

Traffic calming devices

Street maintenance

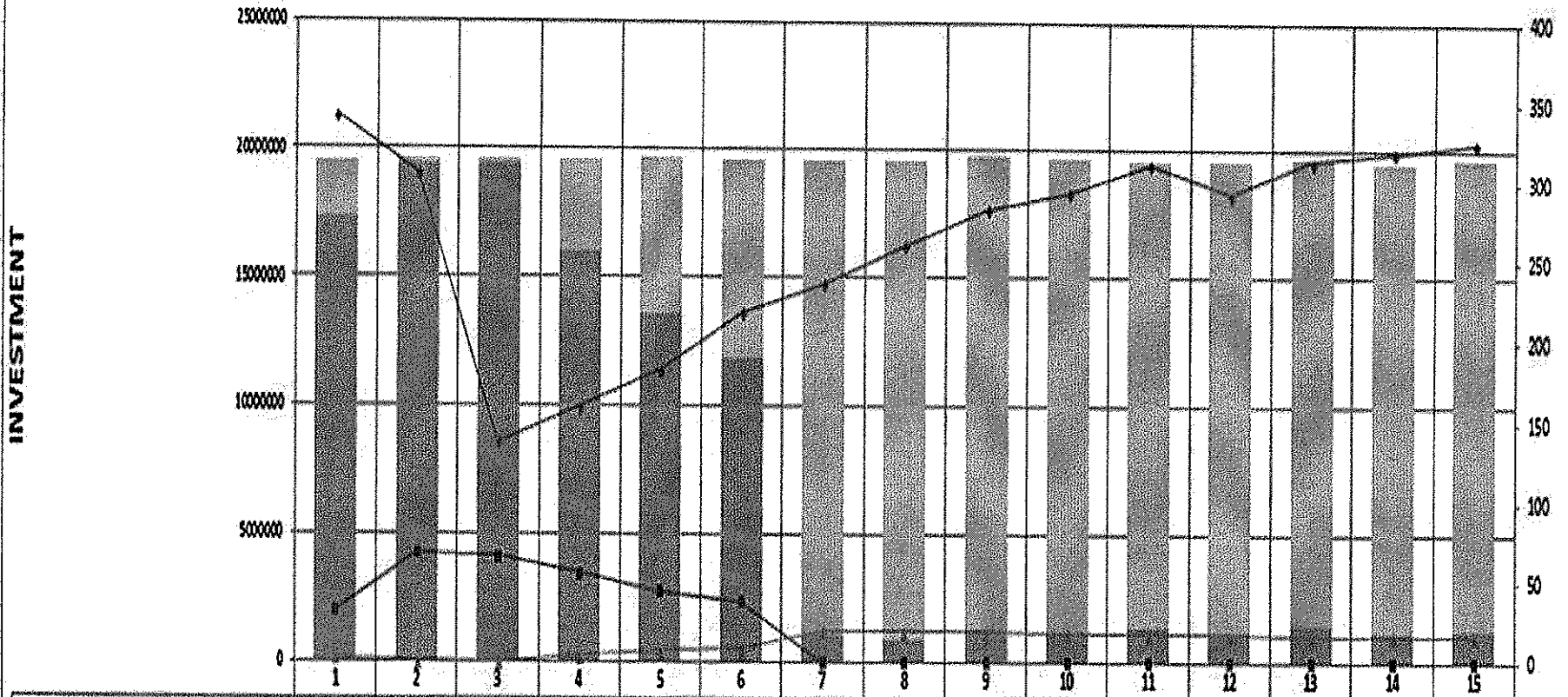
Storm drain vacuuming

ANNUAL SOURCES AND USES OF INVESTMENT NEEDED FOR DESIRED RESULTS WITH NO NEW STATE INVESTMENT GOOD + FAIR* (PASER RATING 5 - 10)



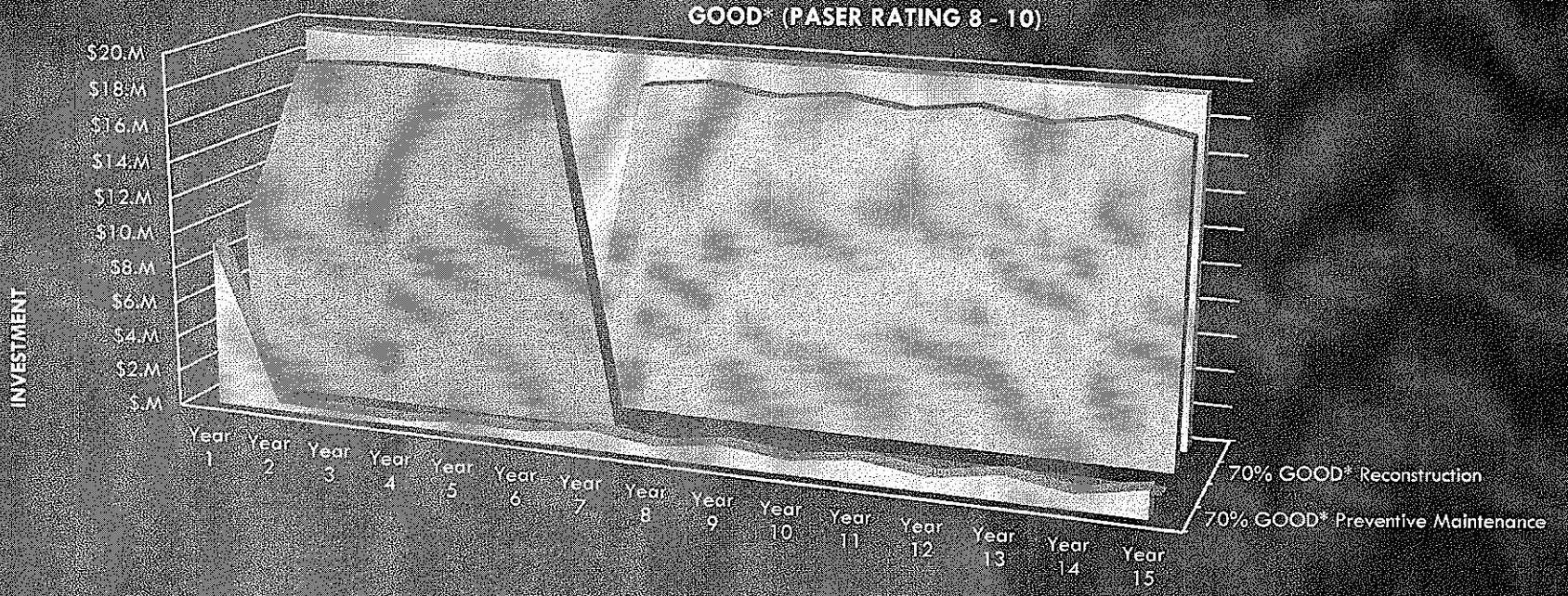
	50% GOOD+FAIR* $126M Total $8.4M/Yr (avg) USES	50% GOOD+FAIR* $126M Total $8.4M/Yr (avg) SOURCES	60% GOOD+FAIR* $179M Total $12M/Yr (avg) USES	60% GOOD+FAIR* $179M Total $12M/Yr (avg) SOURCES	70% GOOD+FAIR* $220M Total $14.7M/Yr (avg) USES	70% GOOD+FAIR* $220M Total $14.7M/Yr (avg) SOURCES	80% GOOD+FAIR* $295M Total $19.6M/Yr (avg) USES	80% GOOD+FAIR* $295M Total $19.6M/Yr (avg) SOURCES	90% GOOD+FAIR* $359M Total $24M/Yr (avg) USES	90% GOOD+FAIR* $359M Total $24M/Yr (avg) SOURCES
Reconstruction	4163178.933		6107664.133		8235877.333		11033869.53		14010445.2	
Gap		5315140.067		8827269.733		11585665.67		16536832.6		20819910.33
Rehabilitation	2692888.6		4215860.467		4790540.8		6908690.533		8177932.333	
Anticipated Grant Funds		3100000		3100000		3100000		3100000		3100000
Preventative Maintenance	1196138.8		1240811.4		1296313.8		1331338.8		1368599.067	
Additional Gas/Weight Tax		0		0		0		0		0
Bridges	362933.7333		362933.7333		362933.7333		362933.7333		362933.7333	

TOTAL INVESTMENT NEEDED TO MAXIMIZE GRANTS FOR FAU STREETS, REACH 70% GOOD + FAIR FOR MAJOR NON-FAU AND LOCAL STREETS BY YEAR 15
TOTAL INVESTMENT - $294.6 MILLION



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
RESTORE (RECONSTRUCTION)	2203301	245458	180519	3613648	6103688	7786992	18553988	18741185	18499181	18580738	18273726	18560062	19280286	18353766	18488333
RESERVE/RESTORE (REHABILITATION)	8437026	18392811	18074741	15254618	12601919	11006079	0	0	0	0	0	0	0	0	0
PRESERVE (PREVENTATIVE MAINTENANCE)	8883295	996433	1339087	722860	963586	867620	1089194	883565	1283994	1105176	1343354	1097617	1408255	1184465	1203188
PREVENTATIVE MAINTENANCE (LANE-MILES)	341.271	304.822	137.462	159.802	182.613	218.403	236.381	260.482	283.512	294.191	311.954	293.01	313.933	319.418	325.549
REHABILITATION (LANE-MILES)	31.758	67.874	65.393	55.103	43.822	37.522	0	0	0	0	0	0	0	0	0
RECONSTRUCTION (LANE-MILES)	2.527	0.276	0.199	3.906	6.467	8.341	19.167	18.984	18.419	18.125	17.511	17.449	16.871	16.636	16.402

FIFTEEN YEAR INVESTMENT NEEDED FOR DESIRED RESULTS GOOD* (PASER RATING 8 - 10)



	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15
70% GOOD* Preventive Maintenance	$9.38M	$0.42M	$0.35M	$0.28M	$0.6M	$0.57M	$1.06M	$0.62M	$1.15M	$0.77M	$1.29M	$0.8M	$1.41M	$0.86M	$1.59M
70% GOOD* Rehabilitation	$10.22	$19.08	$19.23	$19.28	$18.94	$18.99	$0	$0	$0	$0	$0	$0	$0	$0	$0
70% GOOD* Reconstruction	$0	$0	$0	$0	$0	$0	$18.5M	$18.93	$18.4M	$18.77	$18.26	$18.75	$18.13	$18.68	$17.95
70% GOOD* Total	$19.61	$19.5M	$19.57	$19.56	$19.54	$19.56	$19.55	$19.55	$19.55	$19.55	$19.55	$19.55	$19.54	$19.54	$19.54

CONCLUSIONS

- We believe in using Asset Management
- Asset Management requires sustainable investment
- We have good data and know the size of the problem
- To preserve this vital asset in Grand Rapids will require at least $20 million per year for 15 years
- Only $2 million is available from current Act 51 for capital investments
- The most vital city in the state is up to $15 million short per year to get to 70% of our streets in either Good or Fair Condition
- Joint responsibility for future asset management investment