

Improving Sidewalks & Curbs

April 30th, 2014

Transportation, Energy & Utilities Committee



Goals

- Sustainably maintain our system
 - *35 yr life cycle for sidewalks*
 - *75 yr life cycle for curbs*
- Improve the quality of our concrete infrastructure
 - Provide a walkable network
 - Prevent greenbelt scouring and compaction, improve water quality
- Complete the sidewalk network
- Communicate the state of our system
- Secure funding to implement our goals



Sidewalks

The State of the System

Existing...

- 127.3 mi (672,270 l.f.)
 - Correction from 150.2
- 48% deficient = 61.2 mi (322,945 l.f.)
- SCI 51.3
 - Project 32.4 in 2024
- \$600k budget
 - Progressive increases
 - Long-run repairs prioritized
- 126 year life cycle

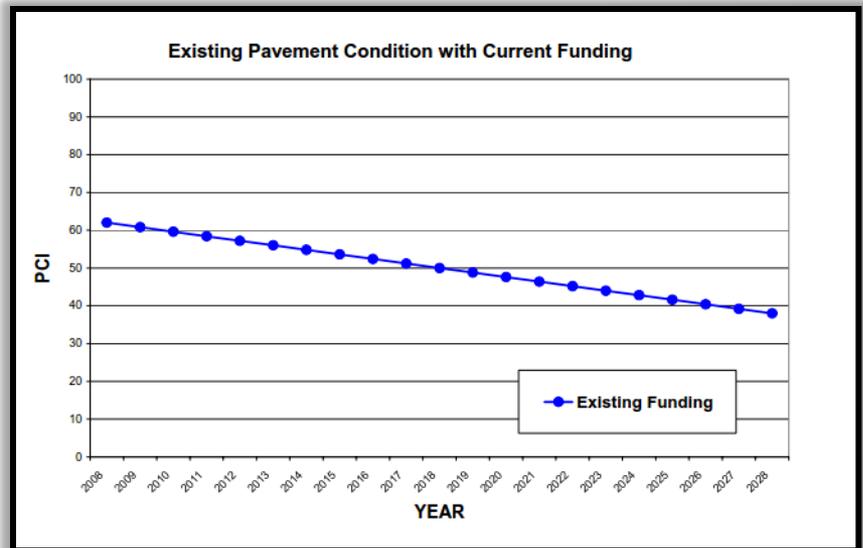
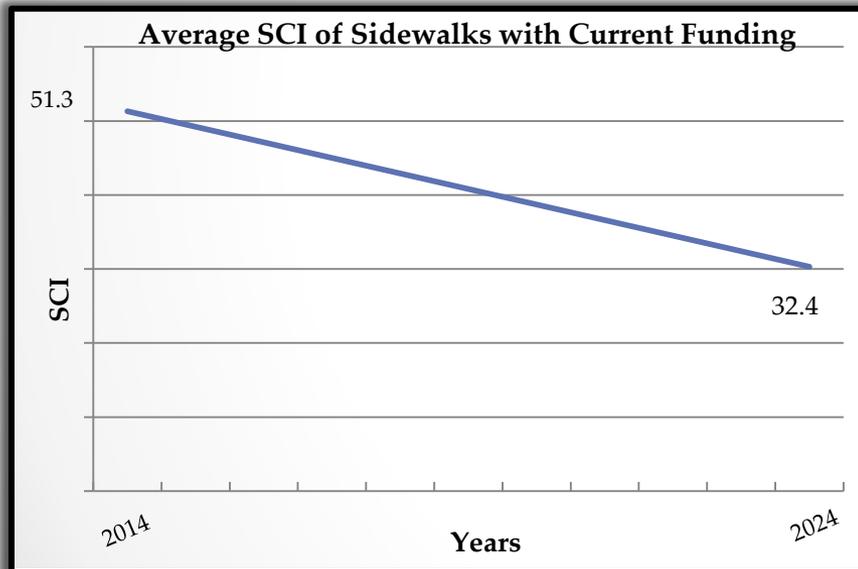
Preferred...

- 131.8 mi
 - 4.5 mi new to meet city policy
- Manageable deficiencies
- SCI TBD
- Adequate funding
- 35 year life cycle

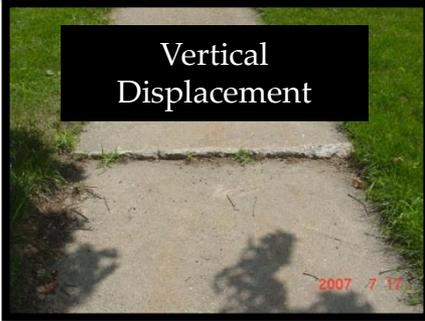


Sidewalk Program

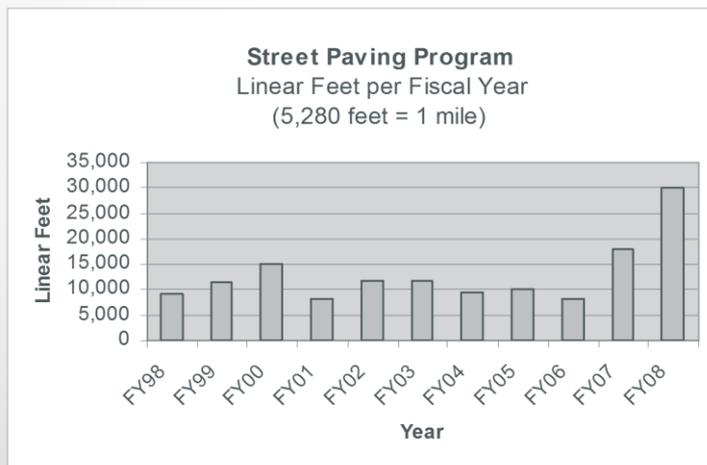
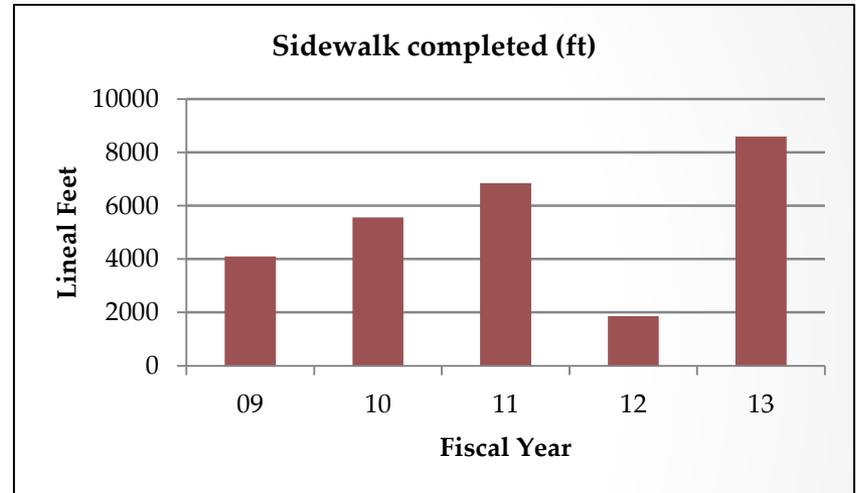
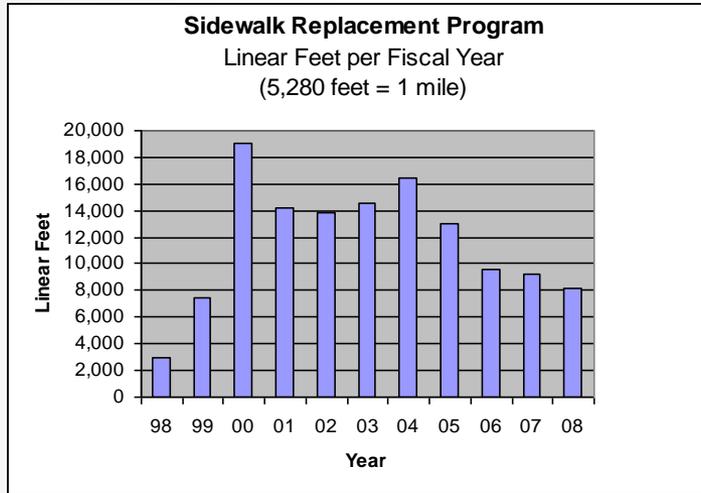
- Annual funding ≠ improved sidewalk condition



Sidewalk Deficiencies



Historical Investments



Curbs

The State of the System

Existing...

- unknown mileage
- No dedicated funding
 - 10% of sidewalk budget, shared with greenbelt restoration
 - Limited stormwater program funding
- Life cycle uncalculated

Preferred...

- 132.7 mi (700,500 l.f.)
- Adequate funding, dedicated funding
- 75 year target lifecycle



Moving Forward

Funding Strategies

Universe of Options

- Property tax variations
 - Property tax + bond – future option
- Material options
- District-based modeling

Comparing Options

- Lifecycle targets
- SCI not yet relevant for projections



Property Tax Preliminary Options

Sidewalk Improvement Options - CONCRETE				
Option #	Life Cycle	Linear Ft. of Sidewalk Annually	Annual Cost	Add'l Tax in Cents(¢)
Existing	126	5,355.0*	\$421,143.98	0
1	35	19207.7	\$2,225,886.49	3.76
2	40	16806.8	\$2,046,305.02	3.28
3	45	14939.3	\$1,909,046.61	2.92
4	50	13445.4	\$1,801,366.72	2.63
<i>*average repair over 5 years</i>				
Sidewalk Improvement Option - ASPHALT				
	15	44,818.0	\$2,754,134.83	5.17

Curb Improvement Options				
Option #	Life Cycle	Linear Ft. of Curb Annually	Annual Cost	Add'l Tax in Cents(¢)
Existing	N/A	0.0	0	0
1	50	14010.0	\$1,877,009.81	5.01
2	75	9340.0	\$1,561,223.56	4.16
3	100	7005.0	\$1,426,337.09	3.80
4	125	5604.0	\$1,360,275.40	3.63

Assumptions	
CPI-U last 10 years	0.02331
Tax:	\$375,000/¢ on tax



District Financing

- Ithaca Model:
 - Create “Sidewalk Improvement Districts” based on projected foot traffic
 - Assess variable fees based on Districts
 - low foot traffic = \$70 / year
 - high foot traffic = \$140 / year + \$0.015 / s.f. of buildings + \$30/each 55' of lot frontage



Next Steps

- Direction from Commission about options to detail or reject
- Return to *May* Commission for funding recommendation
- Proceed to TEUC, City Council, and general public

