Improving Sidewalks & Curbs

April 30th, 2014
Transportation, Energy & Utilities Committee
Goals

• Sustainably maintain our system
  o 35 yr life cycle for sidewalks
  o 75 yr life cycle for curbs

• Improve the quality of our concrete infrastructure
  o Provide a walkable network
  o 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

- Exposed Aggregate
- Spalling
- Horizontal Displacement
- Obstruction (not Burlington!)
- Cracking
- Vertical Displacement
- Drainage Problems
Historical Investments

Sidewalk Replacement Program
Linear Feet per Fiscal Year
(5,280 feet = 1 mile)

Street Paving Program
Linear Feet per Fiscal Year
(5,280 feet = 1 mile)
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
  o Property tax + bond – future option
• Material options
• District-based modeling

Comparing Options

• Lifecycle targets
• SCI not yet relevant for projections
## Property Tax

### Preliminary Options

#### Assumptions

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<thead>
<tr>
<th>Assumption</th>
<th>Value</th>
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<tr>
<td>CPI-U last 10 years</td>
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<td>Tax:</td>
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#### Sidewalk Improvement Options - CONCRETE

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<th>Option #</th>
<th>Life Cycle</th>
<th>Linear Ft. of Sidewalk Annually</th>
<th>Annual Cost</th>
<th>Add'l Tax in Cents(¢)</th>
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*average repair over 5 years

#### Curb Improvement Options

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<th>Life Cycle</th>
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<th>Annual Cost</th>
<th>Add'l Tax in Cents(¢)</th>
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#### Sidewalk Improvement Option - ASPHALT

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<th>Annual Cost</th>
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**BURLINGTON, VT**

**PUBLIC WORKS**
District Financing

• Ithaca Model:
  o Create “Sidewalk Improvement Districts” based on projected foot traffic
  o 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