Town of Simsbury

Sidewalk & Curb Ramp Assessment

Summary of Findings

Thomas J. Roy, PE – Director of Public Works
Tony Garro, Sr. Vice President/Asset Management Beta Group

February 11, 2019
Total of 13.77 Miles of Sidewalks

- 7.21 Asphalt
- 1.15 Brick
- 5.14 Concrete
- 0.27 Mixed
1. Inventory and ADA Assessment

   Field Data Collection:
   - Sidewalks
   - Curb Ramps

2. Data Analysis & GIS Mapping

3. Prioritization & Planning

4. Schedule of Improvements

5. Data Management & Tracking
Sidewalk Distress Data:
- Cracks / Joint with Grass
- Spalling
- Depression
- Cracking Major
- Cracking Minor
- Tree Root
- Other
Sidewalk – Existing Conditions

Sidewalk miles by Condition
- Total – 13.77 miles
- New – 2.79 miles
- Good – 3.42 miles
- Fair – 3.93 miles
- Poor – 3.63 miles
Sidewalk Inventory
Existing Conditions Summary

Legend
Sidewalk Conditions

- Fair (3.93 Miles)
- Poor (3.63 Miles)

Roadway Ownership

- State
- Town
- Private

*Includes all sidewalks regardless of functional classification (except multi-use trails and neighborhood connectors)
Sidewalks – Gaps, Extensions & Removals

**Gaps / Extensions:** Located gaps in the sidewalk network and developed a layer to identify those areas where a sidewalk extension would be beneficial.

**Sidewalk Removal:** Located potential sidewalk removal candidates based on locations i.e. cul-de-sacs and/or dead ends insufficient sidewalk lengths and poor conditions.
ADA Compliance – Curb Ramps

Federal Law Requires…

- Section 504 Transition Plan Requires a “Schedule of Improvements”
- Conduct a Self Evaluation
- ADA Compliant Curb Ramp at Crosswalks
- Ramps Must Meet Slope and Opening Requirements
- Must Have Detectable Warning Panels
- Free of Obstructions
Attribute Data Collected:

General:
- Ramp Location (Street Name & Intersecting Street)
- Ramp Material Type (Concrete, Asphalt, Other)
- General Condition of Ramp (Good, Fair, Poor)

ADA Assessment:
- Ramp Dimensions (Opening and Landing Widths, Landing Length)
- Smart Level Reading (Slope)
- Detectable Warning Panel Exists (Yes/No)
- Visible Obstructions (Pole, Catch Basin, Sign, etc.)
- Crosswalk Exists (Yes/No)
Ramps – Existing Conditions

Curb Ramp by Condition
- Total – 308
- Good – 204
- Fair – 76
- Poor – 28

<table>
<thead>
<tr>
<th>ADA Status</th>
<th>Total</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>COMPLIANT</td>
<td>25</td>
<td>8.2%</td>
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<tr>
<td>NON-COMPLIANT</td>
<td>283</td>
<td>91.8%</td>
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<td>TOTAL</td>
<td>308</td>
<td>100.0%</td>
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Ramp Compliance
- Compliant: 25
- Retrofit: 51
- Replace: 232

Curb Ramp Backlog Summary

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<thead>
<tr>
<th>Repair Type</th>
<th>Estimated Cost</th>
<th>Count</th>
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<tbody>
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<td>Replace</td>
<td>$1,102,000</td>
<td>232</td>
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<tr>
<td>Retrofit</td>
<td>$25,500</td>
<td>51</td>
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<tr>
<td>Total</td>
<td>$1,127,500</td>
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Replacement Program

- Replace 7.5 miles of sidewalks in poor & fair condition
- Replace or rehabilitate all 283 non-compliant ramps
- Prioritization for walks near schools and business
- Replace neighborhood sidewalks with asphalt walks and use concrete walks along state and collector roadways
- Assume 7 years for replacement of sidewalks
- Allow 15 years for full compliance for curb ramps
  - Should this be done sooner?

Program Totals:
- Sidewalks $2.05M
- Ramps $640K
- Possible Future Grants
## Proposed Capital Budgeting

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<th>Year</th>
<th>Annual Funding</th>
<th>Sidewalk Miles</th>
<th>Ramps</th>
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<tr>
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<tr>
<td>3</td>
<td>$300,000</td>
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<td>16</td>
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<tr>
<td>4</td>
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<td>17</td>
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<td>5</td>
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<td>16</td>
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<td>16</td>
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<td>15</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$2,690,000</strong></td>
<td><strong>7.5</strong></td>
<td><strong>283</strong></td>
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Once Sidewalks are in Good Condition, we will still have to budget to maintain the overall condition:

<table>
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<tr>
<th>Material</th>
<th>Length</th>
<th>Width (ft)</th>
<th>Per Square Foot</th>
<th>Per Mile</th>
<th>Design Life</th>
<th>Average Annual Cost</th>
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<td>Asphalt</td>
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<td>$6.00</td>
<td>$126,720</td>
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<td>$12.50</td>
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<td>30</td>
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<td>Brick</td>
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<td>$35.00</td>
<td>$924,000</td>
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<td>$23,100</td>
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<tr>
<td>Mixed*</td>
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<td>$12.50</td>
<td>$330,000</td>
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<td>$11,000</td>
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<td><strong>Totals</strong></td>
<td><strong>13.77</strong></td>
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<td><strong>$53,548</strong></td>
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</table>

* treat as concrete

Average Annual Cost of Ownership per Mile $3,888.74