

Sidewalk Master Plan

prepared by Weston Traffic & Sidewalk Committee

March 18, 2013

Weston CPC Public Hearing

Outline

- Health and social benefits of sidewalks
- Improve links to existing sidewalks, paths, open spaces
- CPA-related questions
- Proposed locations
- Cost estimates
- Design issues
- Maintenance issues



Questions

- Is using CPA funds to construct sidewalks legal?
- Is using CPA funds to reconstruct sidewalks legal?
- Does using CPA funds set an acceptable precedent?
- Do sidewalks represent a “highest and best” use of funds vs. other requests?
- Have the proposed locations been properly selected and prioritized?

Definitions



- Footpath, Pathway
 - Pedestrian path not next to a road
- Shared-use path, multi-use path
 - Use by both pedestrians and cyclists
- Sidewalk
 - Pedestrian path beside a road
- Walkway
 - A comprehensive term that includes stairs, ramps, passageways and related structures...

Existing Weston Sidewalk Inventory

- 32 miles of public & school sidewalk
- 13.6 miles of private sidewalk

- DPW plows 16.9 miles of sidewalk
(Locations on main roads that connect to schools, elderly/public housing and transit stations)

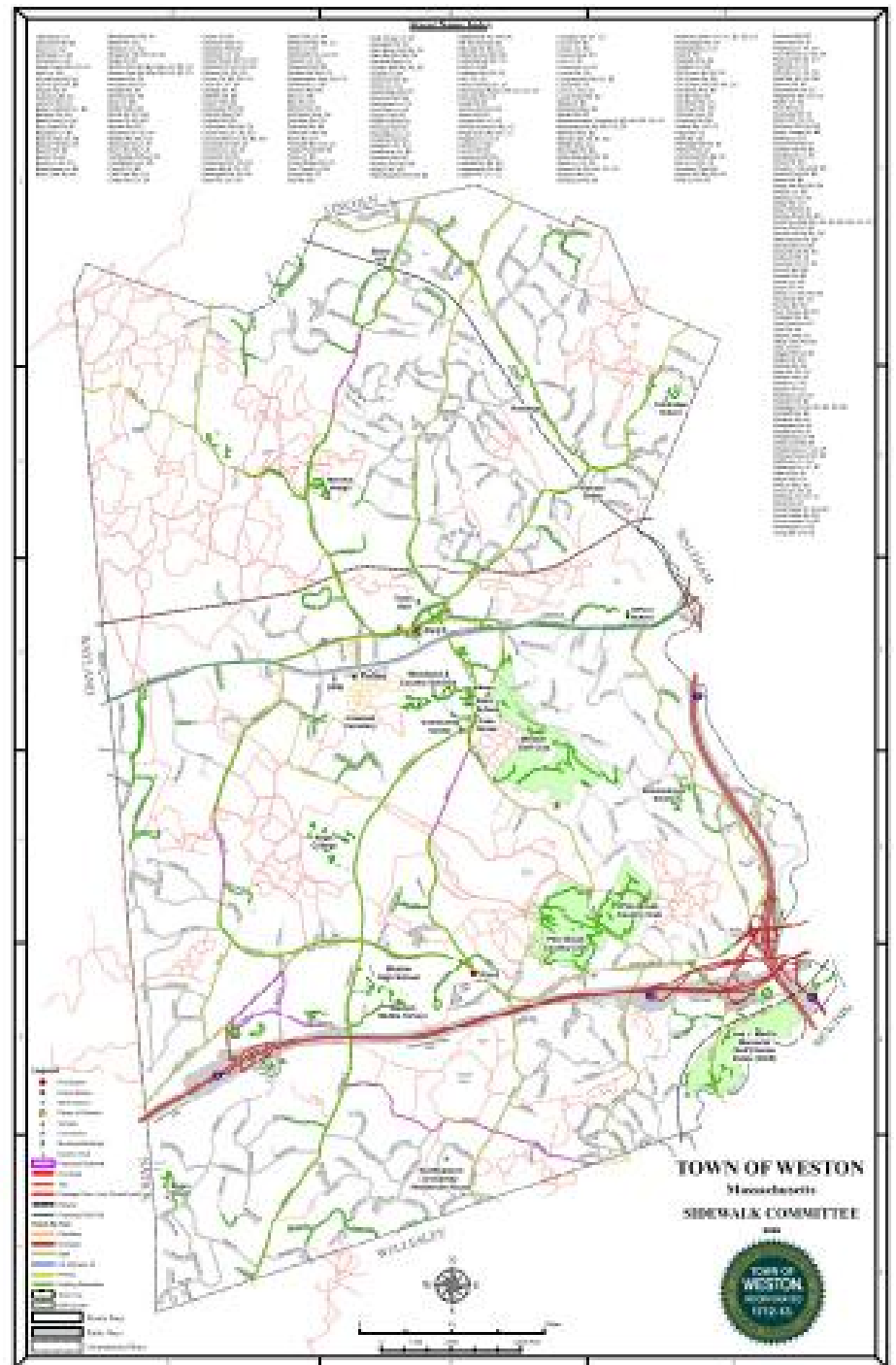
Source: Robert Hoffman, DPW Director (2013)

How did TSC set priorities?

By mapping all the existing sidewalks, paths, and trails in Town, then identifying:

- Connections to/from schools
- Connections to/from transit stations
- Connections for “missing links” where existing sidewalks abruptly stop
- Only major Town roads were considered

Existing Sidewalks & Recreational Paths



Sidewalk Priorities

<u>Location</u>	<u>Length</u>	<u>Year(s)</u>
• Brown/Winter Street	6,500'	1 & 2
• Highland St/ Ash St	5,000'	3
• Merriam Street	2,500'	4
• Glen Road	<u>7,500'</u>	<u>5</u>
	21,500'	

Total new paths: ~ 4 miles

Design Work to Date

- Concept plans prepared by Town Engineer using GIS base maps
- No alignments finalized yet, but feasibility study was done to examine challenges such as topography, stone walls, right-of-way width, etc. on either side of street
- TSC completed “door to “door” survey of Brown St abutters

Brown St/Winter St



Proposed Sidewalk Location @ Brown St to Winter St to Route 30 Loop

Brown St.

Proposed Sidewalk Location @ Brown St to Winter St



Glen Rd

Proposed Sidewalk Location @ Glen Road: Wellesley Border to Cliff / Oak



Sidewalk Master Plan

- Average cost of \$50 per linear foot*
 - *Cost of design & construction per Town Engineer's preliminary estimate
- Costs will vary for each section
- Total cost for 6 sections:
 - 21,500 feet x \$50/foot = **\$1,075,000**
 - Existing Town funds of near \$100,000 to be applied to first section
- CPC funding request= **\$250,000/yr x 4 years**

Wellesley St Existing Sidewalk



Wellesley St Existing Sidewalk



Design of Weston Sidewalks

Most Desired	Least Desired
Fits within public right of way	Requires property taking or easement
Buffered from roadway	Placed on road edge
Follows topography	Requires cuts and fills
Avoids mature trees	Requires tree removal
Maintains driveway visibility	Creates blind spots
Asphalt surface	Concrete or stone dust surface

Sidewalk Funding & Costs

- Repairs & Reconstruction (~32 miles)
 - \$6,000 in minor repairs, e.g., potholes, roots
 - \$120,000 average Town budget years '07-'12
 - 4.4 mile reconstructed '07-'12, (0.75 mile/yr)
 - Sidewalks last 20-30 years before repairs required
 - Town should be reconstructing 1-1.5 miles/year
- Maintenance \$ (~17 miles)
 - Plowing: \$800 per mile
 - Spring clean-up \$3,400 per mile
 - Fall clean-up \$4,700 per mile
 - TOTAL: \$8,900 per mile x 4 miles = \$35,600



Source: Robert Hoffman, DPW Director (2013)

