

# VILLAGE OF BALLSTON SPA ADA TRANSITION PLAN FOR PEDESTRIAN INFRASTRUCTURE NOVEMBER 27, 2023



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# WHAT IS AN ADA TRANSITION PLAN?

- The Americans with Disabilities Act (ADA), provides comprehensive civil rights protections to persons with disabilities in the areas of employment, state and local government services, and access to public accommodations, transportation, and telecommunications.
- Title II of the ADA specifically applies to “public entities” (state and local governments) and the programs, services, and activities they deliver. Title II, Article 8, requires that each public entity must develop a Transition Plan (also referred to as “Plan”) that ensures accessible facilities are provided in the public right of way.



# ADA TRANSITION PLANS

An ADA Transition Plan must include:

1. A list of physical barriers and their locations in a public entity's facilities that limit the accessibility of its programs, activities, or services to individuals with disabilities;
2. A detailed outline of the methods to be utilized to remove these barriers and make facilities accessible;
3. The schedule for taking the necessary steps to achieve compliance with Title II;
4. Public complaint/grievance procedure; and
5. The name/position of the ADA coordinator and/or official responsible for the plan's implementation.

# PROJECT TEAM ROLES

## **Transportation Council and LaBella**

### **Associates:**

- Data collection methodology, tools, training, field evaluations
- GIS & survey tool maintenance
- Data analysis
- Cost estimates
- Plan writing
- General support and technical assistance

## **Village of Ballston Spa:**

- Advisement on local information
- Data Collection
- Public input

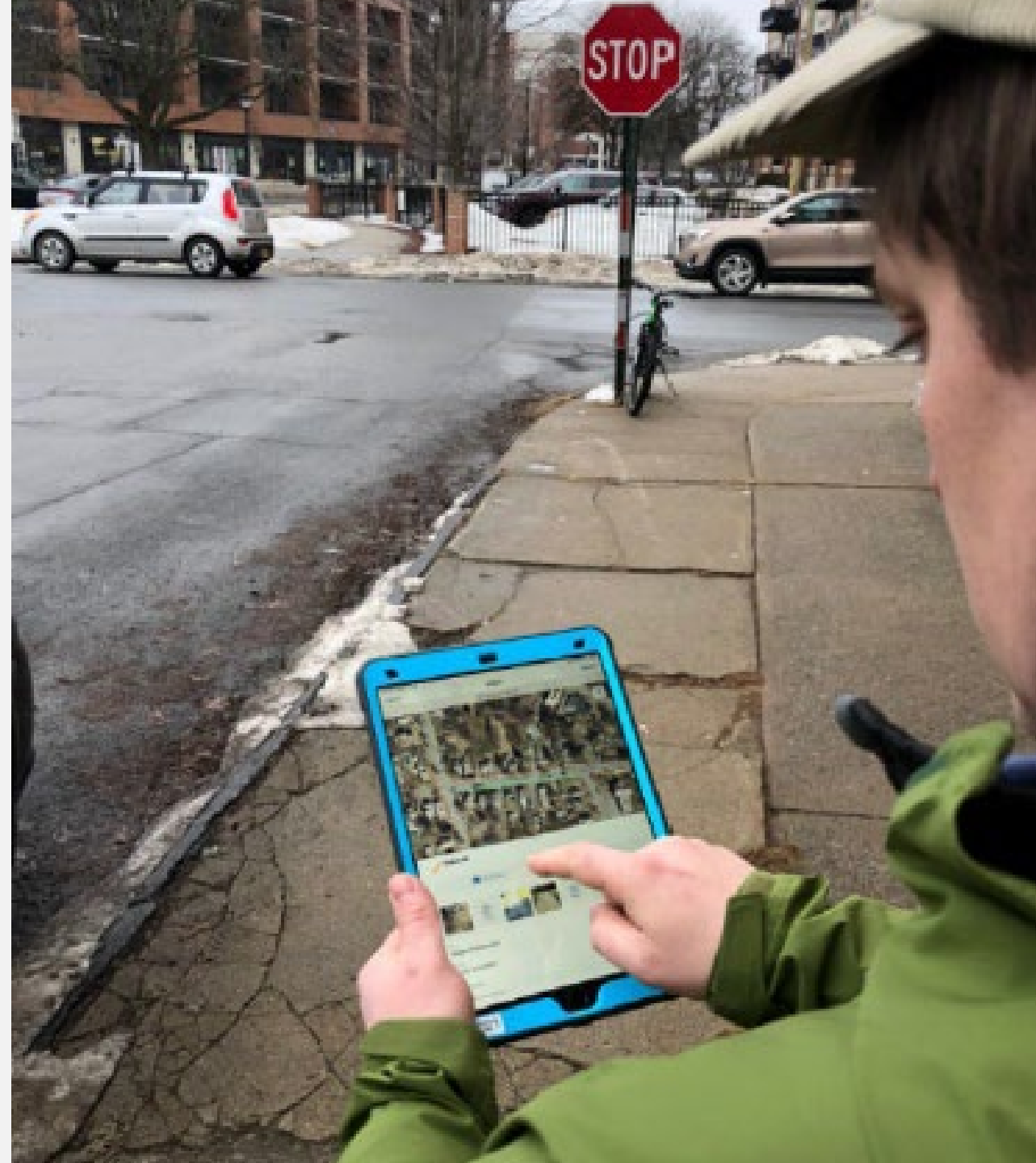
# PROJECT TIMELINE

<b>March 2023:</b>	Project Kickoff + Preparation
<b>May-October 2023:</b>	Data Collection
<b>Oct.-November 2023:</b>	Prioritization Data Analysis
<b>November 2023:</b>	Cost Estimates and Schedule
<b>Oct-November2023:</b>	Draft Plan and Finalize Plan
<b>December 2023:</b>	Plan Adoption

# DATA COLLECTION METHODOLOGY

Walk the study area with handheld devices, assess each sidewalk and paved trail segment, intersection, and transit stop on a condensed set of criteria:

- Heaving or missing sidewalk panels
- Sidewalk obstructions or narrow sidewalks
- Inaccessible curb ramps
- Detectable warning strip deterioration
- Inaccessible pedestrian signals
- Inaccessible pedestrian crossings
- Inaccessible transit landing zones



# RATING PROCESS

- **Accessibility is assessed at the block/segment level from the user's perspective.**
- **A single barrier to accessibility may result in the entire block/segment to be rated Not Accessible.**

**Table 2 Characteristics of Accessibility Condition for Sidewalks and Multi-Use Trails**

	<b>Characteristics</b>	<b>Example</b>
<b>1. Fully Accessible</b>	<ul style="list-style-type: none"><li>• Designed to Meet Current Standards</li></ul>	<ul style="list-style-type: none"><li>• Newly Installed Facility</li></ul>
<b>2. Mostly Accessible</b>	<ul style="list-style-type: none"><li>• Provides Access</li><li>• Not Fully Compliant</li></ul>	<ul style="list-style-type: none"><li>• Curb Ramps <i>Without</i> Detectable Warnings</li><li>• Limited Minor Defects</li></ul>
<b>3. Partially Accessible</b>	<ul style="list-style-type: none"><li>• Limited Accessibility</li></ul>	<ul style="list-style-type: none"><li>• Several Minor Defects</li></ul>
<b>4. Not Accessible</b>	<ul style="list-style-type: none"><li>• Significant Discontinuity</li><li>• Inaccessible</li></ul>	<ul style="list-style-type: none"><li>• No Curb Ramps</li><li>• Steps</li><li>• Significant Heaving</li></ul>

*Note: Additional information on evaluation criteria, including example imagery of sidewalk and trail conditions, can be found in Appendix A.*

# RATING EXAMPLES

**Fully Accessible**



**Mostly Accessible**



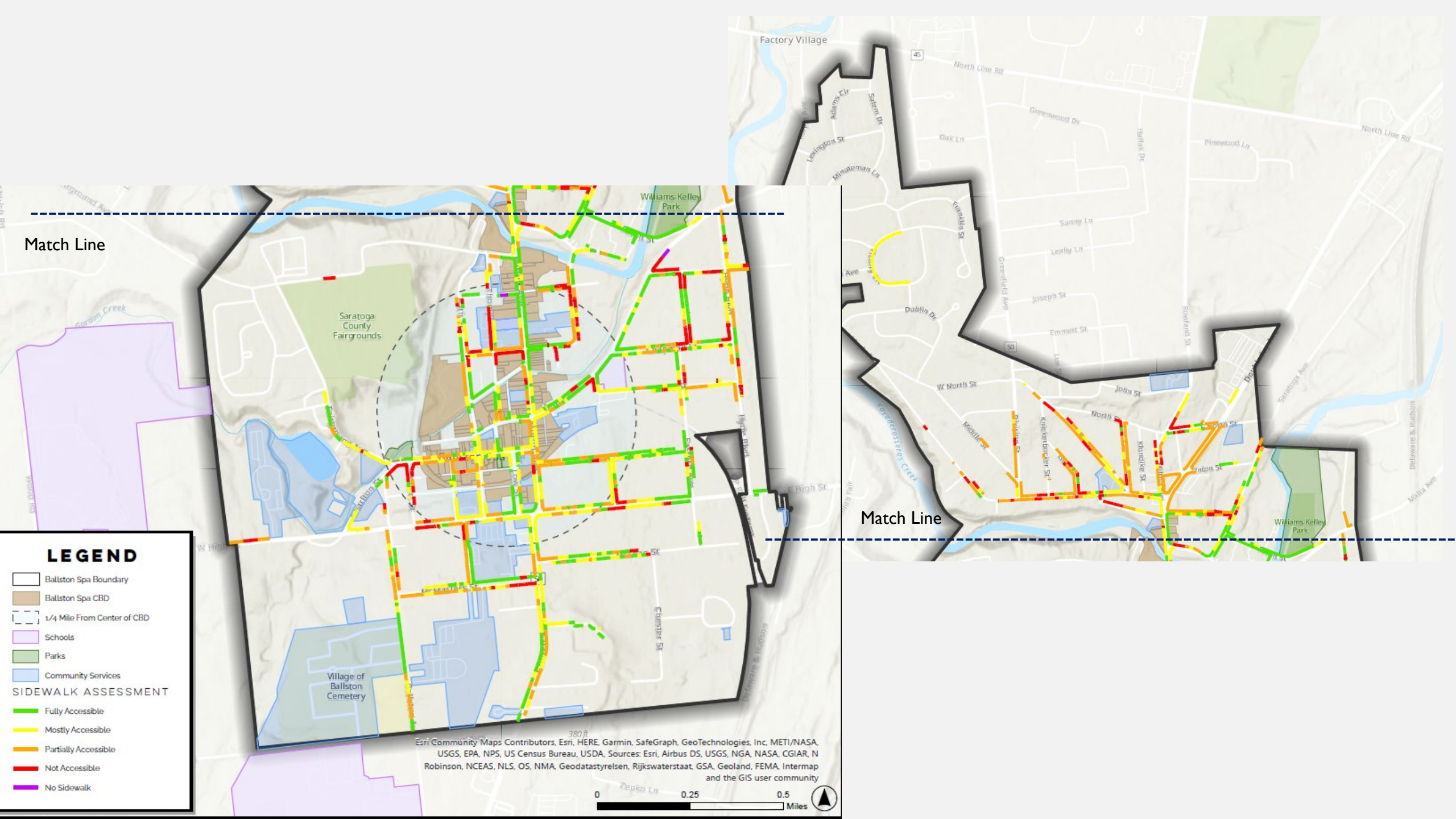
**Partially Accessible**



**Not Accessible**







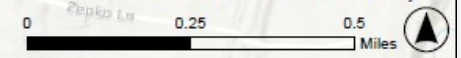
Match Line

Match Line

**LEGEND**

- Ballston Spa Boundary
- Ballston Spa CBD
- 1/4 Mile From Center of CBD
- Schools
- Parks
- Community Services
- SIDEWALK ASSESSMENT**
- Fully Accessible
- Mostly Accessible
- Partially Accessible
- Not Accessible
- No Sidewalk

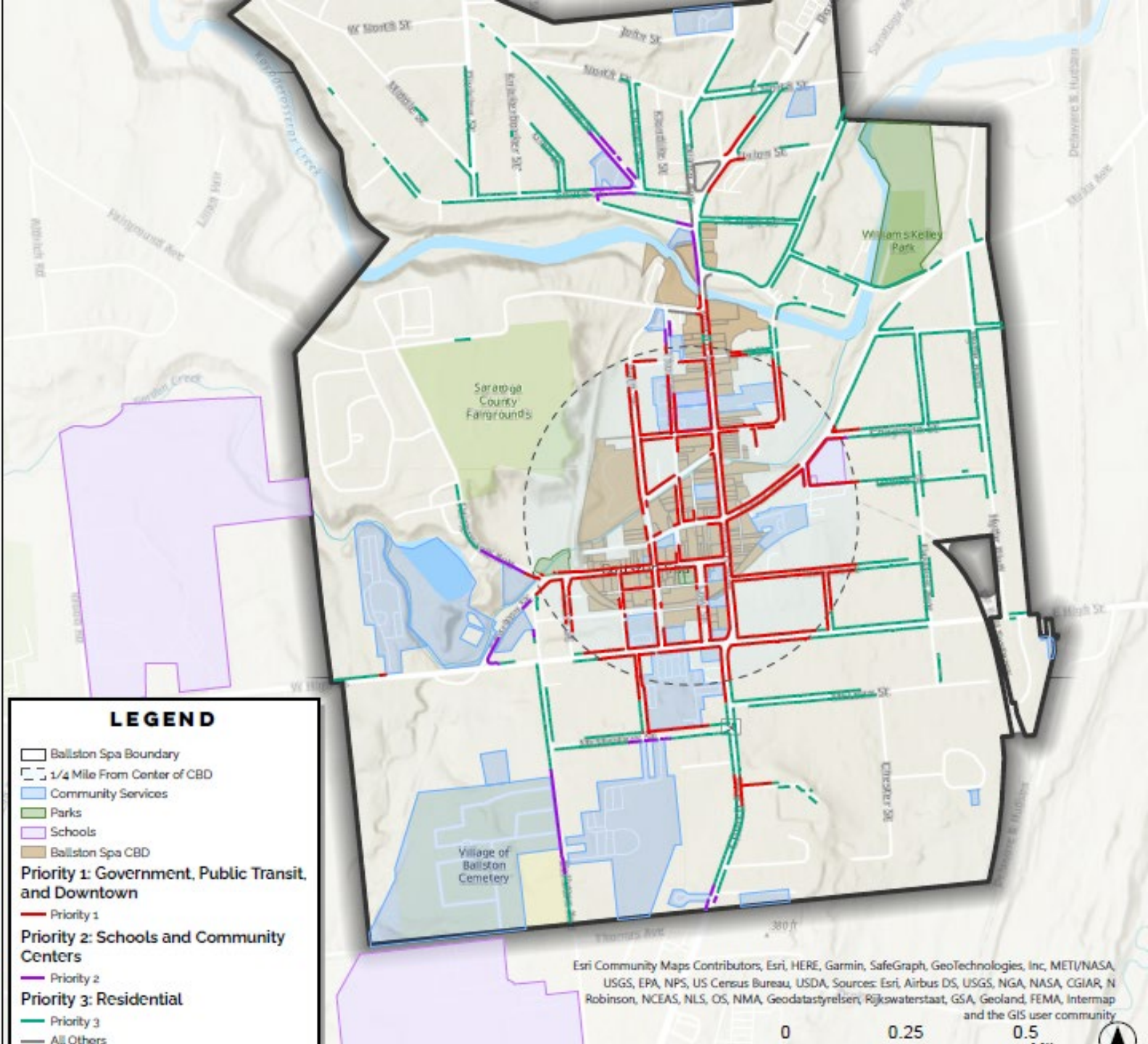
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# PRIORITIZATION CRITERIA

- ***Priority 1: Government, Public Transit, and Downtown***
  - A. Pedestrian facilities and intersections adjacent to government buildings and institutions.
  - B. Pedestrian facilities and intersections in the Central Business District.
  - C. Pedestrian facilities and intersections adjacent to all other public transit stops, not within the Central Business District
- ***Priority 2: Schools and Community Centers***
  - A. Pedestrian facilities and intersections adjacent to all schools.
  - B. Pedestrian facilities and intersections adjacent to all remaining community services.
- ***Priority 3: Residential***
  - A. Pedestrian facilities and intersections serving residential areas with an effort to focus attention on dense neighborhoods and areas with high foot traffic.

# SIDEWALK PRIORITIES



# ESTIMATING THE COST OF IMPROVEMENTS



Using the NYSDOT Quick Estimator Reference

NYSDOT Quick Estimator Reference - Upstate NY					
Item	Unit	Unit Price	Quantity	Subtotal	Note
4' wide sidewalk	LF	33.00		\$0.00	Includes: excavation, disposal, subbase material, compaction, construction of sidewalk and finish work. Does not include: securing drive ways, excavation to additional depth for drive ways, curbing, grading, or turf establishment.
5' wide sidewalk	LF	39.00		\$0.00	Includes: excavation, disposal, subbase material, compaction, construction of sidewalk and finish work. Does not include: securing drive ways, excavation to additional depth for drive ways, curbing, grading, or turf establishment.
10' multiuse asphalt path	LF	74.00		\$0.00	Includes: all prep of subgrade, saw cutting and tack coat. Does not include curbing, grading or turf establishment. NOTE: Prices have been volatile over the past 3 years.
ADA curb ramp	EA	1,250.00		\$0.00	Includes site survey, demolition, saw cutting, excavation, disposal, fill, subbase material, compaction, construction of ramp, landing and associated curbing, detectable warning units, repair to affected asphalt topsoil, establishing turf (to disturbed areas), and finish work. NOTE: Limited price history data in PC. Ramp Types 1-13 not all reported.
LS Type crosswalk	EA	770.00		\$0.00	Assume 700LF of 4' zipping per crosswalk.
Concrete Curbing	LF	48.00		\$0.00	
Asphalt Paved Snow Storage Area	SF	8.00		\$0.00	
Raised crosswalk	EA	15,000.00		\$0.00	
Mini roundabout	EA	175,000.00		\$0.00	
Small Single Post-Mounted Signs	EA	130.00		\$0.00	Includes the cost of excavation and backfill and furnishing all labor, materials, and equipment necessary to complete the work.
Solar powered radar speed sign	EA	7,000.00		\$0.00	Limited price data.
Wooden Bollard	EA	0.00		\$0.00	Includes the cost of excavation and backfill and furnishing all labor, materials, and equipment necessary to complete the work.
Pedestrian push button on existing signal	EA	2,005.00		\$0.00	Includes demolition, saw cutting, excavation, disposal, fill, topsoil, establishing turf (to disturbed areas), repair to affected asphalt and/or concrete as necessary, Pedestrian Signal Systems and components, (removed and or supplied / installed), Pedestrian Signal Systems wiring (removed and or supplied / installed), furnish electrical service, finish work, and any required adjustments to utilities.
New signal with ped push buttons	EA	6,580.00		\$0.00	Includes demolition, saw cutting, excavation, disposal, fill, topsoil, establishing turf (to disturbed areas), repair to affected asphalt and/or concrete as necessary, Traffic Signal Systems, and components (removed and or supplied / installed), Traffic Signal Systems wiring, including vehicle detection (removed and or supplied / installed), furnishing electrical service, finish work, and any required adjustments to utilities.
Establish turf	SY	4.75		\$0.00	Assume 3" topsoil depth.

## Replacement Costs:

Concrete Sidewalk (4" thick, 5' wide)	\$189/Linear Foot
ADA Curb Ramp	\$6,300 Each
LS Type Ladder Crosswalk (700ft typical)	\$1,400
Pedestrian Signal	\$8,200

## Considerations:

- Village forces vs public bid
- Local policy on maintenance/repair
- Coordination w/Capital Projects

- Cost Estimates @ Planning Level

**Table 1 Unit Cost Estimates**

Facility	Cost
Concrete Sidewalk (4" thick, 5' wide)	\$189/linear foot
ADA Curb Ramp	\$4,745
LS Type Ladder Crosswalk (700ft Typical)	\$1,600
Pedestrian Signal	\$9,100

**Table 2 ADA Compliance Estimated Costs**

<b>Sidewalks/Trails Estimated Cost for Compliance (Obstructions Excluded):</b>	
Partially Accessible (16,006 ft)*	\$ 453,756.32
Not Accessible (3,839 ft)**	\$ 217,668.86
<b>Total Non-ADA Compliant Segments (19,844 ft)</b>	<b>\$ 671,425.18</b>
*Assumed 15% of panels in need of replacement **Assumed 30% of panels in need of replacement	
<b>Curb Ramps and Signals Estimated Costs for Compliance:</b>	
Curb Ramps*	\$ 1,228,500.00
Pedestrian Signals**	\$ 41,000.00
<b>Total Intersections:</b>	<b>\$ 1,269,500.00</b>
*Excludes "Not Flush with Asphalt" **Does not include "No push button" signals	
<b>Crosswalks Estimated Costs for Compliance:</b>	
<b>Total Crosswalks*</b>	<b>\$4,200</b>
*Assumed incomplete access route is addressed in curb cut replacements	
<b>Total Capital Investment</b>	<b>\$ 1,945,125.18</b>

## NEXT STEPS

- Post Draft Plan to Website
- Review Comments
- Finalize & Adopt



THANK YOU!