

Tompkins County Wayfinding & Interpretive Signage Plan Phases I & 2

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Tompkins County Wayfinding & Interpretive Signage Plan

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Introduction

Purpose

Wayfinding is knowing where you are spatially in an environment, knowing where your desired location is, and knowing how to get there from your present location. It refers to the user experience of orientation and choosing a path within the environment, and it also refers to the set of elements that aid orientation.

The Tompkins County Wayfinding & Interpretive Signage Plan has been conceived for the purpose of:

- Enabling visitors and residents to navigate safely, easily and efficiently through the communities' roads
- Providing more than simple navigation: The signage system should reflect the spirit and the vitality of the community and should inform the public about places of interest including natural areas, museums and theatres, and shopping districts in order to provide a sense of place to travelers
- Having significant economic benefits by helping to increase attendance at museums, parks and Discovery Trail sites; increase overnight stays as visitors decide to stay in the community longer; increase visitor spending and tax revenues related to food, beverage, lodging, gasoline purchases, etc.

Currently there is a lack of consistency in physical design and frequency of signs and no conceptual connection between types of signage. Existing signage has gaps in terms of destinations (that should be signed to, but aren't), routes (that are important travel routes but don't have signs), and branding (current signs represent a hodgepodge of designs). For travelers there is no consistent look and feel that helps them get from place to place or that makes them feel that they are in a place that is pleasant and that cares to make traveling easier and more enjoyable. This plan develops a family of wayfinding signage that creates a visual identity for the system and presents a consistent, unifying graphic style to enhance the branding or image of the County.

Tompkins County is home to Cornell University and Ithaca College and draws visitors from all areas of the country and from international locales. Fifty percent of the urban population is students; a high rate of turnover of residents adds to the need for an effective wayfinding system. In 2009, the county attracted more

than 840,000 visitors.¹ The Ithaca and Tompkins County Convention and Visitors Bureau, which operates the visitors centers, reports that visitors commonly have difficulty locating major destinations.

The Tompkins County Wayfinding & Interpretive Signage Plan develops a wayfinding system for Tompkins County, the City of Ithaca and the towns and villages that includes a comprehensive directional and interpretive signage system for automobile users, and lays the foundation of the system for pedestrians and bicyclists. The plan concentrates on the gateway areas into the county and main routes that are likely to be traveled by visitors. The project is being led by the Tompkins County Chamber of Commerce and is funded by a Strategic Tourism Implementation Grant from the Tompkins County Tourism Program.

¹ Tompkins County. Strategic Tourism Planning Board. *Tompkins County Visitor Profile*. 2010

Vision

The wayfinding system will be organized around the major attractions and destinations that make Tompkins County special. Visitors and residents, whether travelling by motor vehicle, bike or on foot, will be directed to attractions, destinations, and to the center of the county's communities through an attractive signage system. The design of the wayfinding system, inherent to the character of the region and the uniqueness of the people, culture, history and natural environment, will support the development of a sense of place as one moves through the county. Additionally, interpretive kiosks will be strategically located to provide information about the region in both traditional and digital formats.

Goals

The following goals provide a framework to guide the county's efforts to implement a comprehensive wayfinding and interpretive signage system, consistent with the Tompkins County Strategic Tourism Plan and with the stated purpose and vision of this plan. The goals guide the development of the plan, the prioritization of the county's many attractions, the organization of the wayfinding system and the design of the family of wayfinding signage, and set the foundation for the development of an interpretive program.

1. Present the unique identity of the region through the types and diversity of attractions and destinations.

2. Incorporate county branding into the wayfinding system through the uniqueness and expressiveness of the wayfinding system.

3. Link the major attractions and destinations of the county, while incorporating minor destinations through themed districts.

4. Integrate with existing wayfinding systems (eg. Cornell University and NYSDOT) and move people by all modes of transportation in a simple and understandable system.

5. Advertise and promote attractions; **Educate** visitors and residents about the variety of destinations and experiences.

6. Promote tourism and economic development through strategic interpretive areas.

Elements of a Wayfinding System

Regulatory Requirements

Standard Highway Signage

The United States Federal Highway Administration (FHWA) has established requirements for road signage. The FHWA maintains the *Manual on Uniform Traffic Control Devices (MUTCD)*, which contains national standards for all traffic control devices (including road markings, highway signs, and traffic signals) on all public streets, highways, bikeways and private roads open to public traffic. The intent of the MUTCD is to enhance highway safety and operation by requiring uniform, understandable, and effective traffic control devices on facilities open to public travel.

Traffic control devices installed on such facilities within the State of New York are required to conform to the *MUTCD*, as well as the *New York State Supplement to the MUTCD (NYS Supplement)*. Deviations from the *MUTCD* are published in the *NYS Supplement*, and are justified in cases where: New York law does not allow or support use of a device as described in the *MUTCD*; more restrictive guidance is desired; traffic control devices unique to New York need to be included; and/or the exclusion of optional traffic control devices is desired. The New York State Department of Transportation (NYSDOT) oversees traffic control devices in the state and administers the *NYS Supplement*.

Design details for standard signs and pavement markings are generally not included in the *MUTCD*, but are found in the FHWA *Standard Highway Signs and Markings (SHSM)* book. Design details for devices referenced in the *New York State Supplement* can be found in the text and figures that accompany such references, as well as in the Sign Drawings located in its Appendix 1.

Just a few examples of signs regulated by the *MUTCD* and *SHSM* include stop signs, speed limit signs, street signs and the ubiquitous green and white “destination guide signs” seen along all highways.

Community Wayfinding Signage

Community wayfinding signage is addressed in the *MUTCD* in Section 2D.50 Community Wayfinding Signs. Community wayfinding signs are part of a coordinated and continuous system of guide signs that direct tourists and other road users to key civic, cultural, visitor, and recreational attractions and other destinations within a city or a local urbanized or downtown area. Community wayfinding signs may be used on conventional roads (i.e. not freeways, highway mainlines or ramps) and employ a common color and/or identification enhancement marker for destinations within an overall wayfinding plan for an area. Color coding may be employed in the community wayfinding system to help reduce confusion and distinguish different neighborhoods or subareas within a community or area. Color coding or pictographs, however, may not be used to distinguish different types of destinations.

The *MUTCD* stipulates certain design requirements for community wayfinding signs. These include font style, font size, arrow size and location, order of listing of destinations, a minimum luminescence ratio of 3:1 between the background color(s) and text, retroreflectivity, and a limit of three to four destinations per sign. The *MUTCD* requires the font to be 6” (height of initial capital letter) for areas with speed limits greater than 25 MPH. However, for this project, the NYSDOT has approved the use of 4” font (height of initial capital letter) for areas with a speed limit of 30 MPH or less, due to the space limitations of the urban/village areas.

Because the *MUTCD* does allow unique background colors and the use of identification enhancement markers (i.e. a logo and/or unique shape for the top of the sign), communities are able to establish a unique visual identity through their community wayfinding signage.

The images at right are from the *MUTCD* and illustrate various examples of the design and application of community wayfinding guide signs.

Community Gateway Signage

Guidance pertaining to community gateway signage is not part of the *MUTCD*, but is included in the *NYS Highway Design Manual* Chapter 11 Appendix B, Decorative Community Gateway Signing and/or Landscaping on State Highway Right of Way. The standard DOT community gateway sign is a white (text) on green (background) municipal boundary sign which simply states the name of the community and is compliant with the *MUTCD*. Appendix 11B establishes guidelines for a more decorative community gateway sign, as an alternative to the *MUTCD* approved municipal boundary signs, which can be used to help express a community’s identity. A decorative community gateway sign is defined as: A non-commercial, civic oriented sign that may contain a salutation (e.g. “WELCOME TO ...”), the name of a community (e.g. “UTOPIA”) and/or a short slogan (e.g. “A GREAT PLACE TO LIVE, WORK, AND PLAY”). Appendix 11B stipulates certain design requirements for community gateway signs, which include: horizontal and vertical placement from the edge of the road, maximum size (32 sq ft) and post requirements.

Examples Community Wayfinding Signage from MUTCD



Community Wayfinding Guide Sign with Enhancement Marker



Color-Coded Community Wayfinding Guide Signs

Regional Case Studies

Rochester, NY

Vehicular Wayfinding System

The City of Rochester, NY instituted its vehicular wayfinding system in the 1983. Twenty years later, the system was revised and expanded. A new signage family was developed that coordinates and unifies wayfinding signage for more than two dozen destinations within Rochester's Center City. The wayfinding system divides the Center City into four color-coded quadrants. It includes five sign types (pictured at right): boundary informational, vehicular directional, local directional, parking identifier and destination identifier, which has limited use.

The design of the wayfinding signage includes the following features:

- Directional/Parking Font: Clearview (letter spacing, word spacing and overall text is condensed horizontally by 10-20%)
- Directional/Parking Font size: 4" height of initial capital letter
- Sign Panel: 1/8" aluminum plate, surface-applied reflective vinyl used for background colors, lettering, rules and arrows
- Pole: 5" diameter aluminum pole

In 2008, the City of Rochester installed more than 200 of the new vehicular wayfinding and gateway signs. The project was financed by FHWA, NYSDOT, and the City of Rochester, through the Transportation Enhancement Program (TEP). TEP is a federal reimbursement program under the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU), administered by the NYSDOT. Total project cost was \$817,000.



Boundary Informational Sign

Vehicle Directional Sign (four district colors)



Local Directional Sign

Parking Identifier

Destination Identifier



Vehicular wayfinding signs in downtown Rochester, January 2014



Pedestrian Wayfinding System

In 2012, the City of Rochester completed the Center City Pedestrian Circulation and Wayfinding Study. The potential pedestrian wayfinding destinations were prioritized and reduced to 30 destinations based on the following criteria:

- Visitorship
- Cultural attractions (museums, theaters, trails, etc.)
- Transportation nodes
- Parking garages
- Office and government
- Permanent (i.e. no services such as retail, restaurants)
- Open year round
- Publicly accessible
- Consistent with the existing vehicular wayfinding system

The pedestrian wayfinding system builds off the quadrants and color scheme established by the vehicular wayfinding system. It is organized around ten neighborhood districts within the greater four quadrants of Center City Rochester. The hierarchy of pedestrian wayfinding signage is pictured at right and includes: major kiosk (21 proposed), minor kiosk (17 proposed), mid-block map (12 proposed) and directional sign (54 proposed). The directional sign includes the district name, adjacent quadrant names with directional arrows, and a listing of up to six destinations located within a quarter mile radius (five minute walk time).

The report identifies destinations, sign locations, prototypical sign design and cost estimates. The project outlines the pedestrian wayfinding strategy and develops directional signage text for one sample route, but does not develop the kiosk graphics or identify the text to be featured on each individual wayfinding sign. The budget to develop the plan was approximately \$60,000. Preliminary cost estimates for the proposed system are between \$350-400,000.



Major Kiosk



Minor Kiosk



Midblock Map



Directional Sign

Syracuse, NY

Vehicular Wayfinding Phase I

The City of Syracuse, NY completed Phase I of its Wayfinding Study in 2013. The study focuses on vehicular wayfinding needs only and is the first of two separate studies. Phase I identifies major traffic generating destinations within the city that warrant guide signs on interstates and wayfinding signs on city roads. This Phase I study also identifies interstate shield signs to direct motorists back to the interstates from the major destinations. A second study, Phase II, will build upon the first study by directing motorists to and from other destinations once they are within the city by listing them on any remaining sign space. Neither phase addresses sign design and branding.

The Phase I study identifies guide sign and wayfinding sign needs to 14 major destinations in the City of Syracuse from the interstates. It also identifies shield sign needs that direct motorists back to the interstates. The plan identified the need to install or modify 119 Wayfinding Signs and Guide Signs along local roads and the interstates, 107 Interstate Shield Guide Signs along local roads, and 27 Airport Guide Signs along the Interstate System. The Phase I report provides summary maps that show the location and orientation of the signs as well as corresponding tables that identify which destinations to list on each sign.

Seneca Falls, NY

Vehicular & Pedestrian Wayfinding

The Village of Seneca Falls, NY installed a series of vehicular and pedestrian/bicycle wayfinding signs in 2011. The wayfinding system includes vehicular directional signs, pedestrian/bicyclist directional signs and pedestrian orientation kiosks. A total of 27 signs/kiosks were installed.

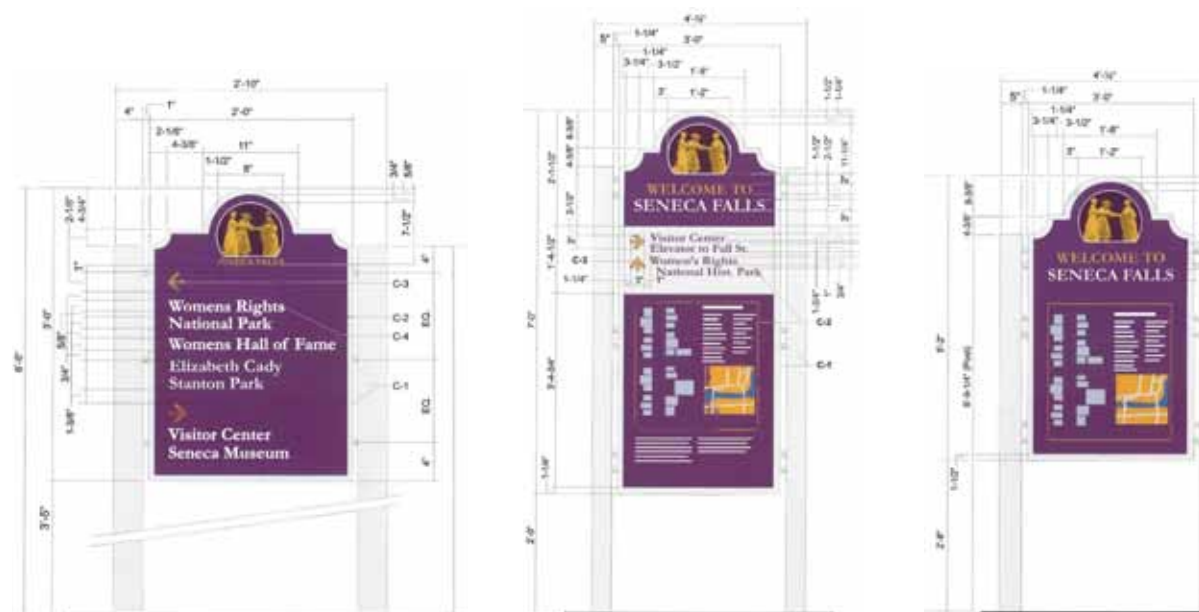
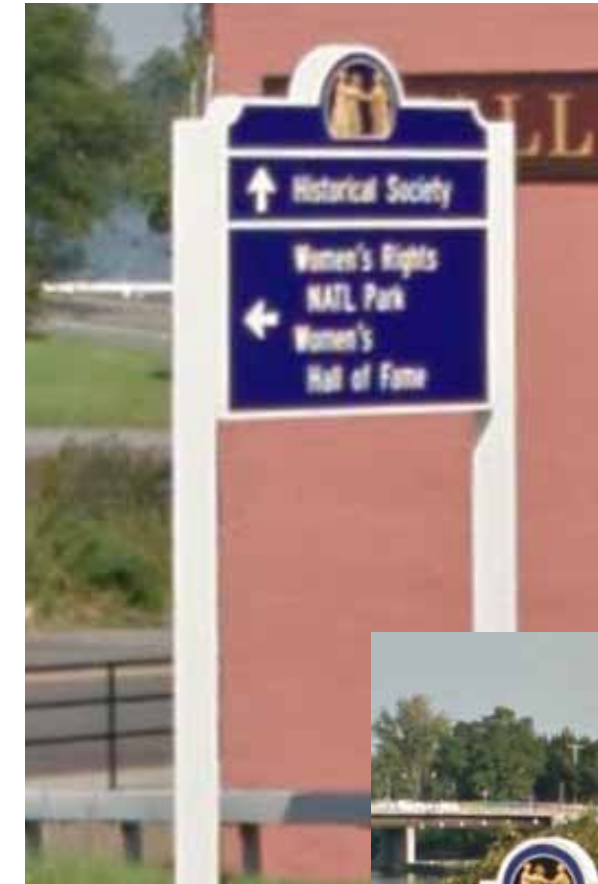
The design of the wayfinding signage includes the following features:

- Vehicular Signage Font: Standard Alphabet Series C
- Vehicular Signage Font size: 4" height of initial capital letter (the project team received permission from the NYSDOT to use the 4" font, rather than the 6" font specified in the MUTCD, because of the limited space in the village setting)
- Sign Panel: aluminum box panel core with 1/8" fused resin retroreflective panel (panel can be replaced if needed)
- Pole: 4" x-6" aluminum posts
- Kiosks: aluminum box panel core with 1/8" fused resin graphics panels and aluminum posts

The project was financed in part by a grant from the Transportation Enhancement Program, a federal reimbursement program under the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU). Total project cost was just over \$95,000.



Vehicular Directional Signs - double post mounted on left and single pole mounted on right



Orientation Kiosk

Pedestrian/Bicycle Kiosks



Wayfinding signage in the Village of Seneca Falls (from Google Street View)

Cayuga County, NY

Vehicular Wayfinding

In 2013, a Vehicular Wayfinding Schematic Design Package was prepared for the Cayuga County Office of Tourism. The package includes:

- identification of general tourist attractions (27) and tourism hubs (11)
- conceptual design of wayfinding signage that includes a gateway sign type and a community wayfinding sign type
- identification of primary routes and proposed vehicular sign locations
- recommendation for the development of pedestrian wayfinding system

The design criteria for the vehicular wayfinding signage includes the following features:

- County Gateway Signs:
Font style not specified, 6-8" height of initial capital letter
- Community Wayfinding Signs:
Clearview 5W font (overall text is condensed horizontally by approximately 40%), 6" height of initial capital letter
- Pole:
6" pressure treated pine

At this time, the signs have not been detail designed, fabricated or installed. Images of the proposed wayfinding signage are shown at right. The proposed signs include:

- 12 county gateway signs (est. cost to fabricate & install \$6,250 ea.)
- 35 community wayfinding signs (est. cost to fabricate & install \$5,500 each)
- 35 of the standard green and white DOT destination guide signs (est. cost \$2,000 each).

The total estimated project cost to fabricate and install the 131 signs is \$544,375.



Gateway Sign - front



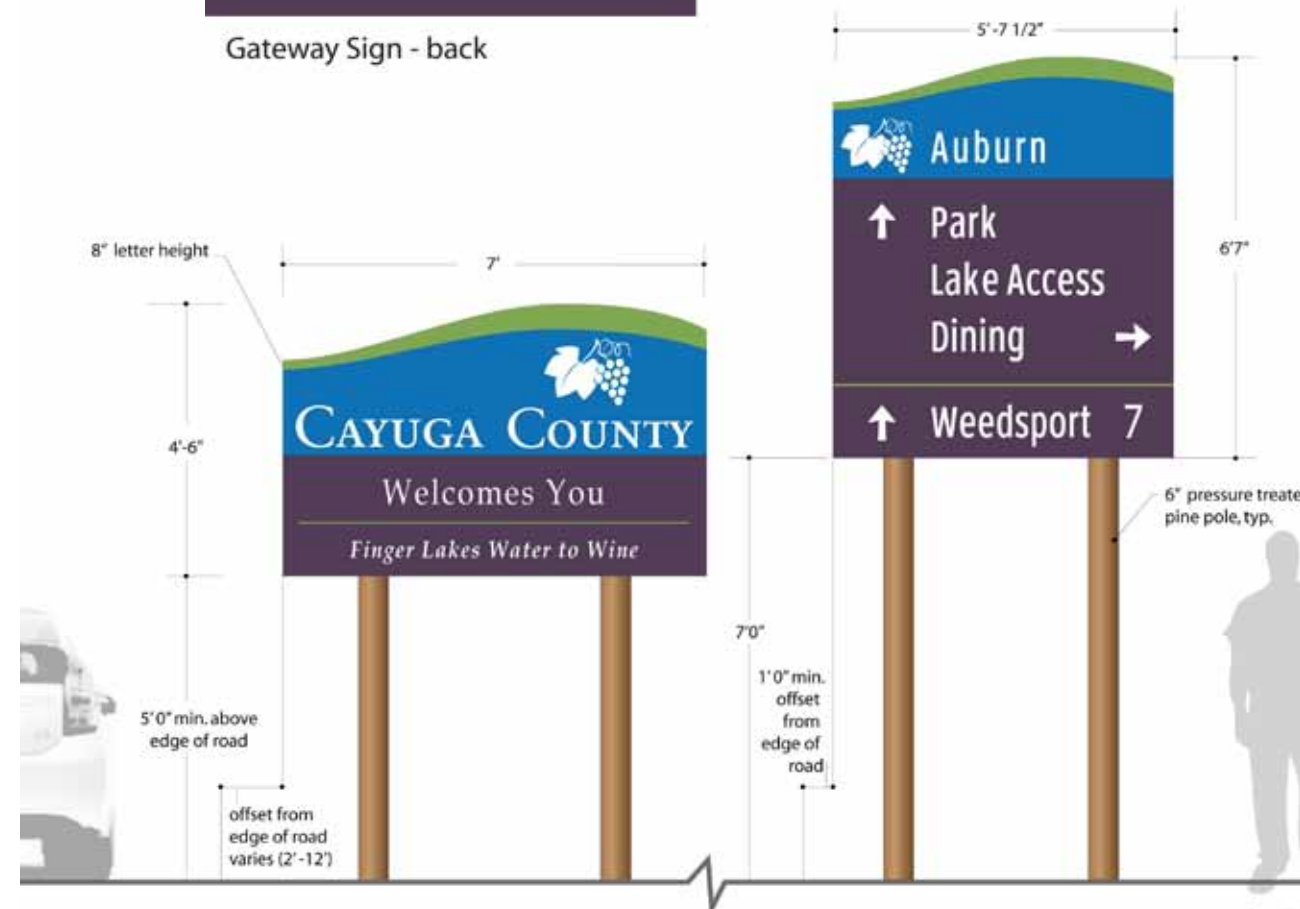
Gateway Sign - back



Community Wayfinding Sign



Destination Guide Sign



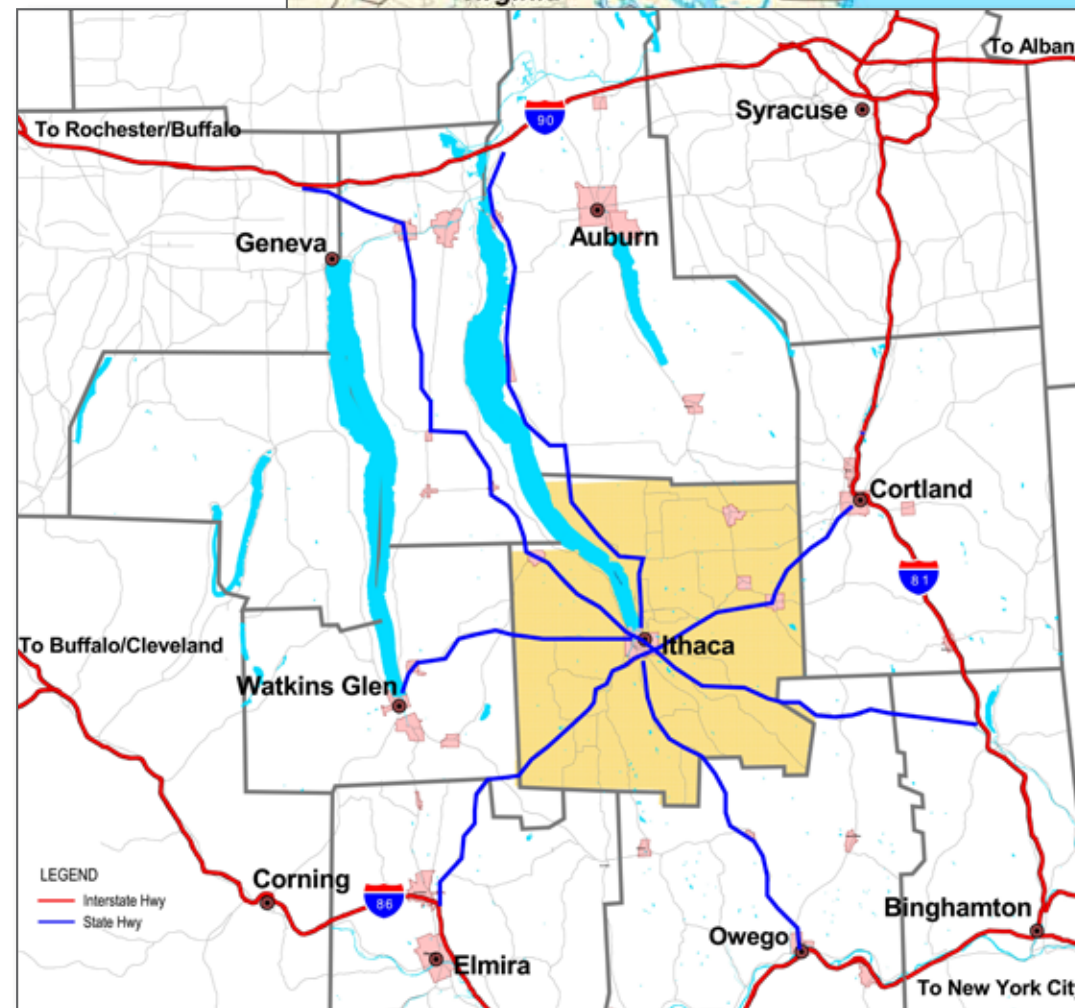
Wayfinding in Tompkins County

Regional Context

Tompkins County offers a vibrant and diverse culture in the heart of New York State's Finger Lakes Region. It is home to Cornell University and Ithaca College and therefore draws visitors from the Northeast United States, other areas of the county and from international locales as well. In 2009, the county attracted more than 840,000 visitors. Cornell, the county's gorges/waterfalls, the downtown Commons and the local dining scene are ranked as the top visitor attractions.¹

The county is situated in the Finger Lakes Region's southeast corner, at the southern end of Cayuga Lake. The county is easily accessed, although not directly, via Interstates 90 (NYS Thruway), 81 and 86. State highways link the county to the interstates. The multiple routes into the county can present a challenge to wayfinding.

The county is mostly rural with a population of just over 100,000. At its center, Ithaca is the county seat and commercial and cultural hub. Ithaca is home to roughly half the county's households. Higher education dominates the local economy, each year bringing over 28,000 students to the area, along with top faculty and researchers. Diverse manufacturing, technology, service, retail, health care, and agricultural businesses also contribute to economic vibrancy. With State Parks, State Forests and dozens of gorges and waterfalls within 12 miles of downtown, natural beauty and outdoor recreational experiences are two of the area's strongest assets.²



Public Input

During the course of study, the public has been invited to provide input into the direction and final form of the Wayfinding & Interpretive Signage Plan. The project has been led by the Tompkins County Chamber of Commerce and a Wayfinding Steering Committee, which is made up of representatives from the county's municipalities, planning departments, public works, Cornell University, Ithaca College and others. In addition Focus Group Sessions and Public Meetings were held to help to gather additional input from county residents and stakeholders. Summaries from the Steering Committee meetings can be found in Appendix C.

Focus Group Sessions

Focus Group Sessions were held to present the plan to and gather input from county residents with specific knowledge or expertise related to the process. The Focus Groups were conducted in four sessions: Circulation/Transportation Technical and Planning, Tourism/Economic Development, Municipalities, and Recreation. Meeting summaries from the Focus Group Sessions can be found in Appendix C.

Public Meetings

Two public input sessions were held during the course of the project. The first was an interactive public workshop that introduced the project and solicited input regarding issues relevant to the wayfinding planning process. These included: identification of primary attractions/destinations, appropriate locations for gateway signage, ideas for a county slogan, and general discussion of other issues and opportunities that participants would like to see addressed by the wayfinding system. The second meeting was an open house to review the draft wayfinding and interpretive signage system and solicit feedback. Summaries from the Public Meetings can also be found in Appendix C.

¹ Tompkins County. Strategic Tourism Planning Board. *Tompkins County Visitor Profile*. 2010

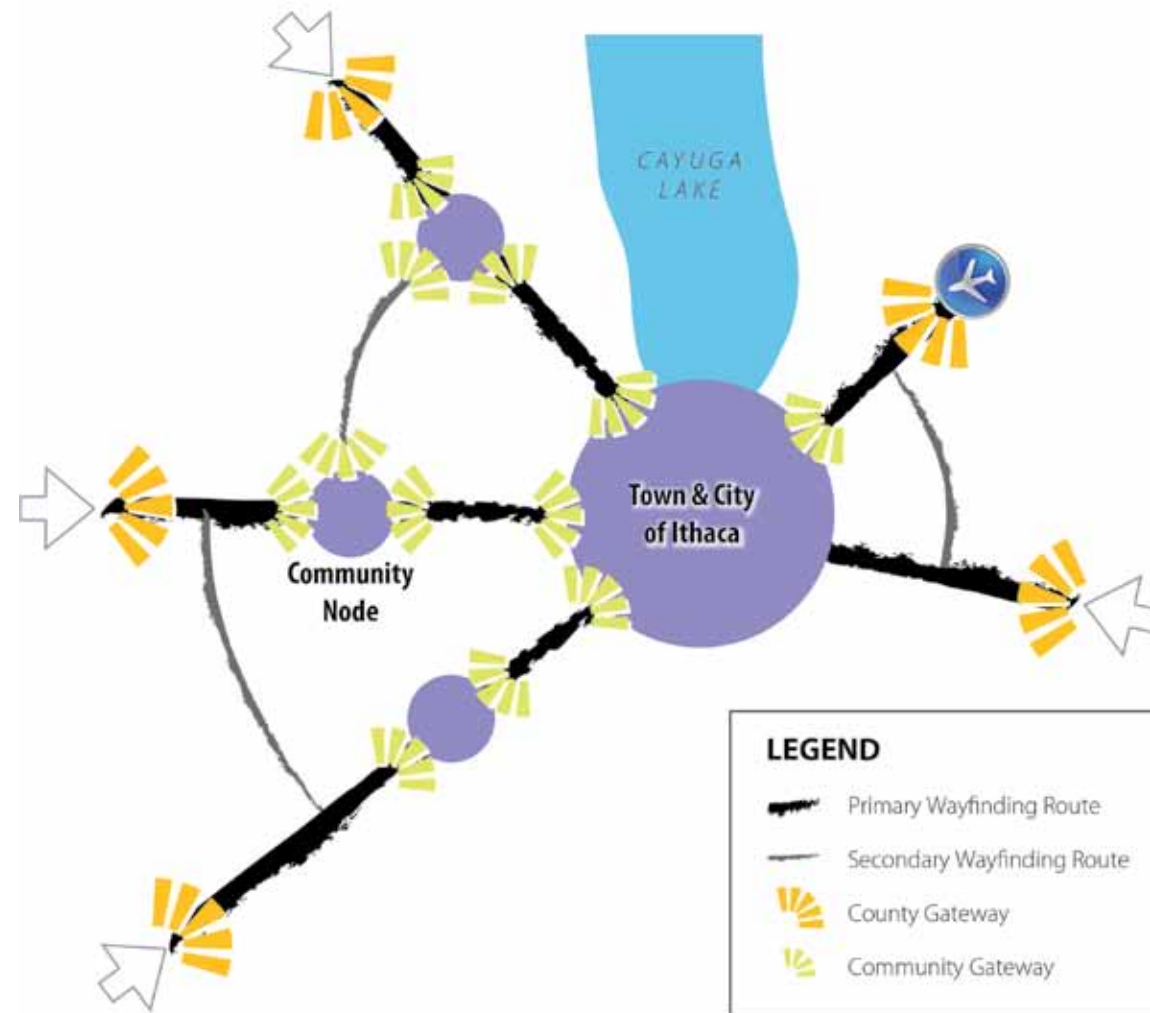
² Tompkins County. Strategic Tourism Planning Board. *2020 Tompkins County Strategic Tourism Plan*. 2012

Wayfinding Model

Organization of the Wayfinding System

The wayfinding system for Tompkins County is organized to direct visitors and residents, whether travelling by vehicle, bike or on foot, to major attractions/destinations. Gateway signs introduce one's entry into the county and municipalities. The wayfinding system focuses on the primary and secondary routes through the county that people are most likely to travel. Wayfinding signage is strategically located along these routes to direct residents and visitors to the major attractions (an additional benefit of the signage is to alert travellers to the presence of these attractions even if they are unable to visit them on that particular trip). The design of the wayfinding signage is consistent throughout the county in order to support the development of a sense of place as one moves through the county. Interpretive kiosks are strategically located along these routes to provide information about the region in both traditional and digital formats. Travellers are directed to the entrance of an attraction or to the nearest parking area, at which point pedestrian/Bicycle informational kiosks and pedestrian directional signage continues the wayfinding system.

Within the Town and City of Ithaca, the number of major attractions exceeds the capacity of a sign (vehicular directional signs are limited to three or four destination listings per sign). Therefore, for wayfinding purposes, Ithaca has been divided to four districts to allow for simpler understanding and navigation. Travellers will be directed to one of the four districts; once within a district one will be directed to specific attractions and parking within that district. The pedestrian and bicycle wayfinding system also reinforces the district organizational model. The district organization is presented on page 11.



Circulation Hierarchy

One of the first steps in organizing the wayfinding system is to identify the hierarchy of preferred wayfinding routes. It is on these routes that the wayfinding effort is centered in order to focus the wayfinding system and make navigating through the county clear and easy to understand. The primary and secondary routes, identified on the maps on pages 10-11, were determined to be the main routes travelled when entering the county. These routes bring travellers from the direction of Interstate 90 (from Buffalo, Rochester, Albany), Interstate 86 (from Cleveland, Erie, Buffalo) and Interstate 81 (from Syracuse, Binghamton, New York City), as well as from neighboring communities like Watkins Glen and Cortland. The primary and secondary routes also provide connections between municipalities and attractions within the county.

Attractions

The next step in developing the wayfinding system is to identify which attractions/destinations should be signed. The process started with a list of 417 potential attractions provided by the client. These included cultural and recreational attractions/destinations, private businesses/restaurants, community facilities/services and more. The project team evaluated this list and added over 70 attractions including waterfalls, parks, trails, services and environmental/nature-based attractions. With a list of approximately 500 potential attractions, the limitations of the number of destinations per sign, and the importance of not creating sign clutter, it was necessary to prioritize and identify the major attractions to be the focus of the wayfinding system. Commercial services, such as restaurants, retail establishments and businesses were eliminated because they are not necessarily permanent and it was decided that the community wayfinding should not promote individual private businesses. In the end, the project team and Steering Committee identified 56 attractions to be signed, see the following pages, which have the most significant cultural/recreational interest and visitorship.

Major Attractions

ID	Attraction Name	Ithaca District
1	Allan Treman Marina	Waterfront
2	Black Diamond Trail (Cass Park)	Waterfront
3	Black Diamond Trail (Taughannock Falls)	N/A
4	Brooktondale	N/A
5	Buttermilk Falls	N/A
6	Cascadilla Gorge	Downtown
7	Cass Park	Waterfront
8	Cayuga Nature Center	N/A
9	Cayuga St Garage (P)	Downtown
10	Cayuga Waterfront Trail	Waterfront
11	Collegetown	East Hill
12	Collegetown Garage (P)	East Hill
13	Cornell University	East Hill
14	Danby St Forest	N/A
15	Dryden	N/A
16	East Shore Park	Waterfront
17	Finger Lakes Trail (Danby State Forest)	N/A
18	Finger Lakes Trail (Route 13/34)*	N/A
19	Finger Lakes Trail (Hammond Hill State Forest)	N/A
20	Finger Lakes Trail (Shindagin Hollow State Forest)	N/A
21	Freeville	N/A
22	Green St Garage (P)	Downtown
23	Groton	N/A
24	Hammond Hill St Forest	N/A
25	Hangar Theatre	Waterfront
26	Ithaca Children's Garden	Waterfront
27	Ithaca College	South Hill
28	Ithaca Commons	Downtown
29	Ithaca Falls	Waterfront
30	Ithaca Farmers Mkt	Waterfront
31	Jim Schug Trail	N/A
32	Kitchen Theatre	Downtown
33	Lab of Ornithology	N/A
34	Ludlowville Falls	N/A
35	Museum of the Earth	N/A
36	Myers Park	N/A
37	Nevin Welcome Center	East Hill
38	Newfield Covered Bridge	N/A
39	Newman Golf Course	Waterfront
40	Robert Treman St Pk	N/A
41	Robert Treman St Pk	N/A
42	Sciencenter	Waterfront
43	Seneca St Garage (P)	Downtown
44	Shindagin Hollow St Forest	N/A
45	Shopping Malls	N/A
46	South Hill Rec Way	South Hill
47	State Theatre	Downtown
48	Stewart Park	Waterfront
49	Taughannock Falls	N/A
50	TC3 (Tompkins-Cortland Community College)	N/A
51	The History Center	Downtown
52	Tompkins County Public Library	Downtown
53	Trumansburg	N/A
54	Visitor Center (i)	Waterfront
55	Visitor Center (i)	Downtown
56	Wildflower Preserve	South Hill

Tompkins County Map



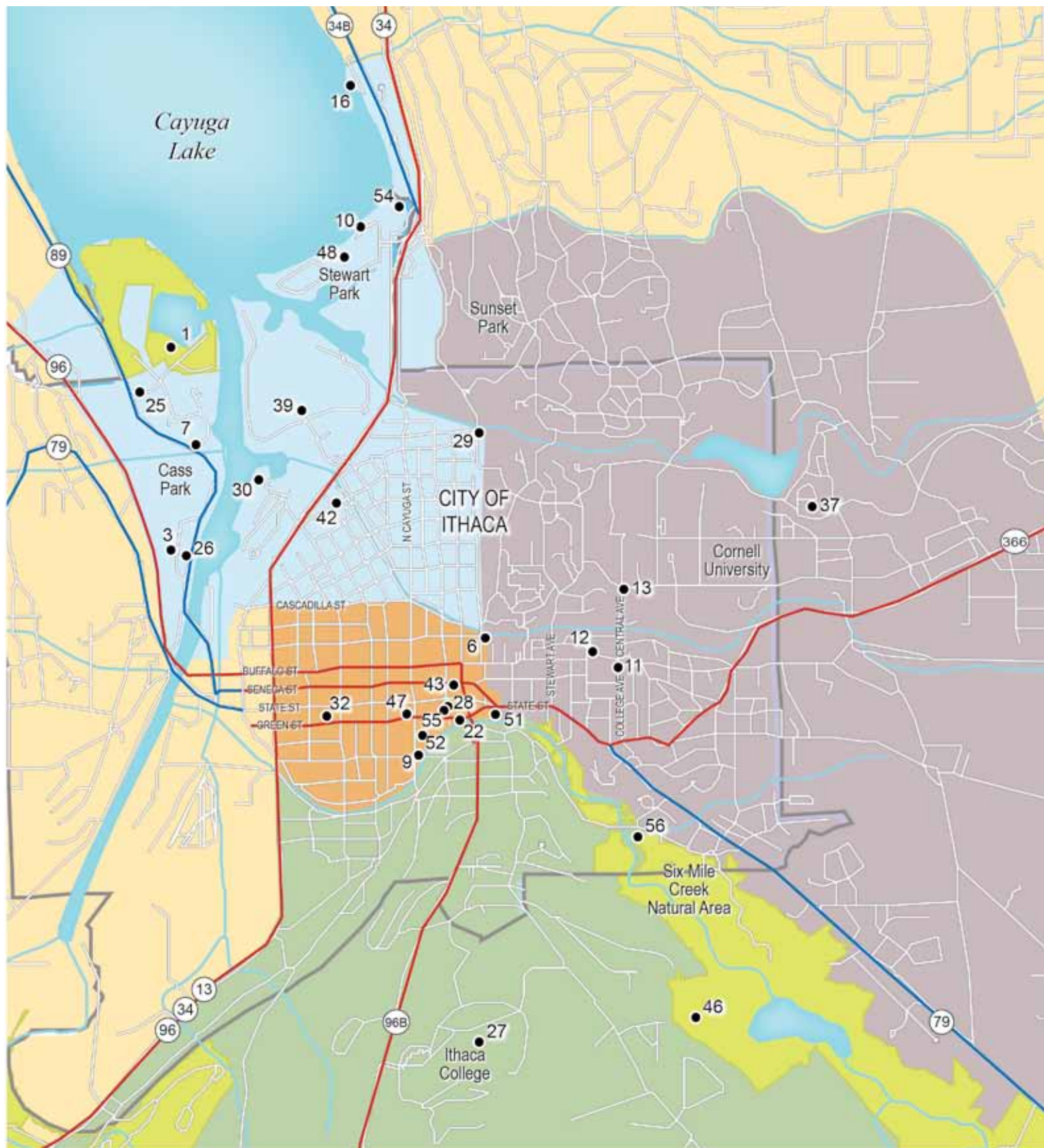
*contingent on traffic study

Ithaca Inset Map

The Cayuga Lake Blueway Trail is a proposed water trail which will enhance access to paddling experiences on Cayuga Lake. Five major lakeside “trailheads” are proposed for Tompkins County: Taughannock Falls State Park, Allan H. Treman State Marine Park/Cass Park, Stewart Park, East Shore Park and Myers Park. The Black Diamond Trail master plan also includes trail sections that have yet to be built. These future trailheads are not currently listed as destinations because they won’t be built for several years. However, as these trails are completed, the Wayfinding Steering Committee should consider inclusion of these trailheads as destinations on wayfinding signage, as space permits.

LEGEND

- Major Attractions
 - Primary Wayfinding Route
 - Secondary Wayfinding Route
- Ithaca Wayfinding Districts
- Waterfront
 - Downtown
 - East Hill
 - South Hill



Tompkins County Wayfinding Signage at a Glance

The Tompkins County Wayfinding System is comprised of:

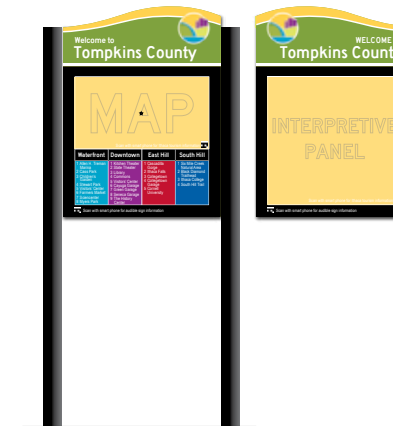
- County Gateway Signage, including County Gateway Information Kiosks
- Community Gateway Signs
- Inter-Community Signage
- Community Wayfinding Signage

County & Community Gateway Signage

Back of Sign



Front of Sign



County Gateway

The County Gateway sign is located along identified roads at the county border or at a point near the border that has either a significant view or an existing pull-off area. The Gateway sign indicates arrival/departure and welcomes/thanks the visitor.

Community Gateway

The Community Gateway sign is located at the community's border or at a point where the "center" of the community is perceived to begin. Two sign sizes are shown; the larger sign on right is designed to accommodate longer community names, such as Brooktondale and Trumansburg. The Gateway sign indicates arrival and welcomes the visitor.

Interpretive Kiosk

The Interpretive Kiosk is located (a) where a County Gateway sign is adjacent to an existing pull off area or (b) at a point of cultural interest. It includes a map with county attractions and an interpretive panel on the facing side.

Inter-Community Signage

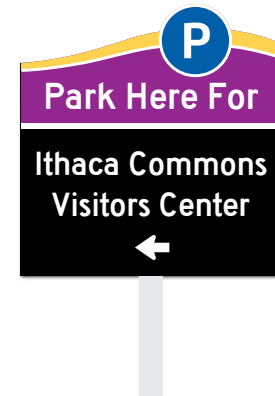
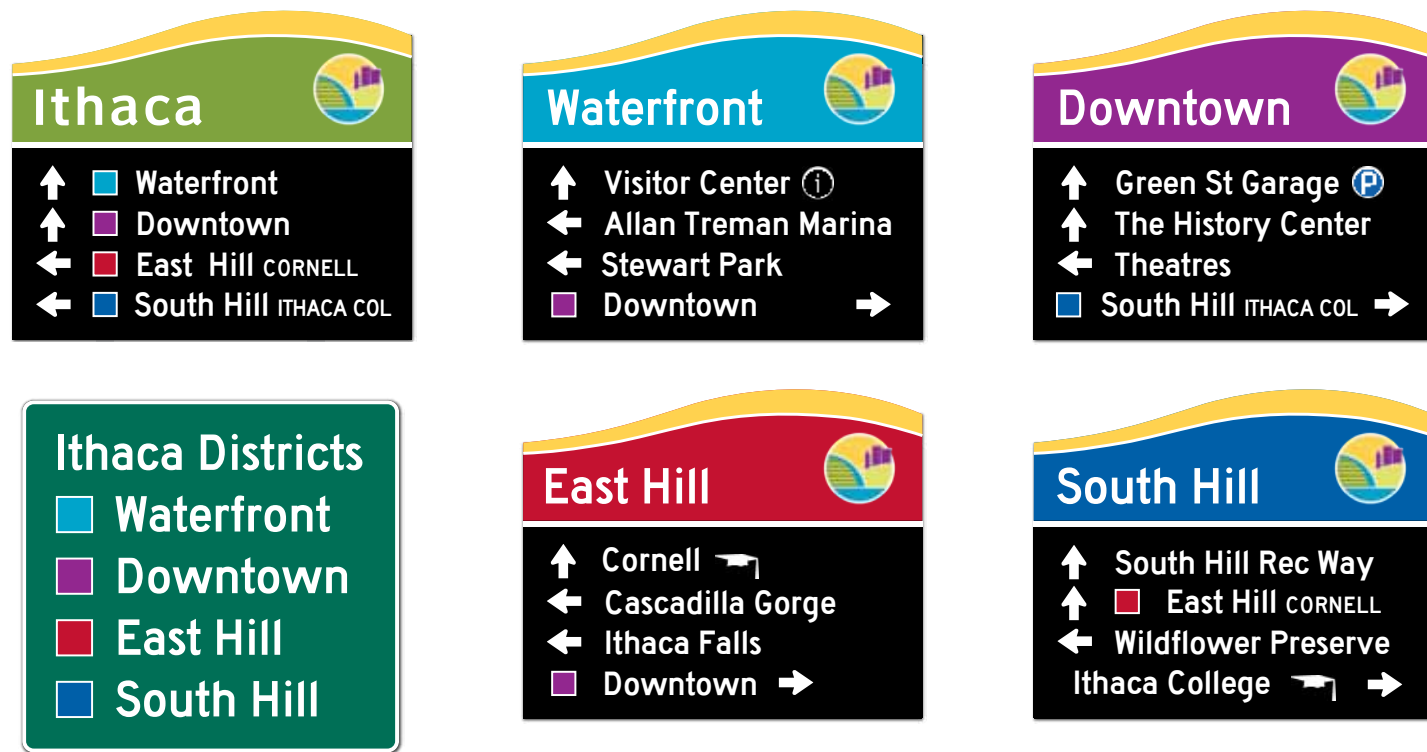


Standard DOT Signage

Standard DOT wayfinding signage must be used in the areas between the County Gateways and a Community Gateway. These signs, which include the familiar green Destination Guide Sign and the brown Recreational and Cultural Interest Area Signs, direct motorists to the county's major attractions that are located outside the community gateways.

NOTES: All signs are pictured at the same scale for size comparison purposes.
See Appendix C - Master Design Manual for details of signs' design.

Community Wayfinding Signage



Vehicular Community Wayfinding Signage

Community Wayfinding signs are used only within areas defined by Community Gateway signs. The vehicular family of Community Wayfinding Signs direct motorists to the county's major attractions. Communities other than Ithaca use the Vehicular Directional sign pictured on the left, which matches the County Gateway color scheme. Because of the number of attractions located within Ithaca and the limited number of destinations that can be featured on a sign, central Ithaca is broken into four districts: Waterfront, Downtown, East Hill and South Hill to simplify wayfinding and organization. Within these districts, the Community Wayfinding signage is color coded by district. Areas within the Ithaca Community Gateways but outside of these four districts use the sign type pictured on the left. The vehicular family also includes a Parking Information sign that lists the attractions nearest the particular parking garage.

Pedestrian/Bicycle Community Wayfinding Signage

The pedestrian/bicycle family of Community Wayfinding signs includes a Pedestrian/Bicycle Kiosk and Pedestrian Directional sign types. The Wayfinding Kiosk has pedestrian-related information on one side and bicycle-related information on the facing side. The Pedestrian Directional signs point out the direction of travel to reach the attractions highlighted on the Wayfinding Kiosk as well as the direction of the adjacent districts, if applicable.

Interpretive Signage Plan

The family of wayfinding signage includes the Interpretive Kiosk and the Pedestrian/Bicycle Kiosk, both of which are part of the Interpretive Signage Plan. Several interpretive signage systems already exist in the county. The main purpose of the Interpretive Signage Plan is to identify appropriate interpretive themes and to identify gaps in the existing signage system(s). To avoid sign clutter and to respect the design language of the existing systems, it is not necessary to add new kiosks at locations where similar sign types already exist or are planned.

Existing/Planned Interpretive Signage Systems include:

- **Ithaca Commons electronic kiosks** (planned)
Planned as part of the Commons Redesign. Kiosks will have a variety of content available for visitors including possible interpretive information.
- **Downtown Ithaca pedestrian maps/kiosks** (existing)
As these signs are replaced, the design of replacement signs could be integrated with the design proposed in this plan.
- **Cayuga Waterfront Trail trailheads** (existing/ planned)
These have their own design and would not be replaced.
- **Cass Park and Stewart Park birding kiosks** (existing)
- **Allan Treman State Marine Park osprey panel** (existing)
- **Cayuga Lake Blueway Trail** (planned)
These will have their own design, but could be coordinated with existing/planned interpretive signage, including a common design element such as a pedestrian/bicycle wayfinding map.
- **Black Diamond Trail (BDT) trailheads** (planned)
These will be developed by New York State Office of Parks, Recreation and Historic Preservation (NYS Parks) according to the master plan for BDT development.
- **MLK Freedom Walkway interpretive kiosk** (planned)
- **Erie Canalway interpretive sign** (existing)
- **Cornell Plantations trailheads** (existing)
- **State Historic Markers** (existing)
- **Taughannock Falls State Park overlook** (planned)
The design of the overlook could be coordinated to include interpretive themes and common design elements from the design proposed in this plan.

Interpretive Themes

The Interpretive Program for Tompkins County celebrates the people, culture, history and natural environment that makes Tompkins County special. The interpretive themes outlines below can be further developed for inclusion on the Interpretive Kiosks, part of the family of wayfinding signage.

The interpretive themes for Tompkins County include:

- Arts & Culture
- History of Ithaca, Transportation & Industry
- History of the Silent Film Industry
- History of Cornell
- Geology & Glacial History
- Waterfront & Nature
- Nature & Ecology
- Forest Ecology & Recreation

As existing or planned signs are updated or replaced and as the county's multi-use trails are completed and connected (Cayuga Waterfront Trail, Black Diamond Trail, Gateway Trail, South Hill Recreation Way, Ithaca-Dryden Trail and Cayuga Lake Blueway Trail), it will be valuable to identify a common design element/theme that can be employed in new signage. This may be in the design of the wayfinding map, interpretive themes, panel layout, kiosk frame, etc.

Arts & Culture

The Arts & Culture theme focuses on the cultural and political heart of downtown Ithaca. The area includes a mix of retail, restaurants, businesses, government offices and art attractions, including the State and Kitchen Theatres, Ithaca Commons, Tompkins County Public Library and The History Center. Also included is the MLK Freedom Walkway, which celebrates the life and legacy of Dr. King in the context of Ithaca's African American history. Interpretive information could be geared to residents and visitors alike, and highlight art and cultural attractions like those above, festivals and events. Interpretive information, as part of the wayfinding system, should not feature private business, restaurants, etc., but could highlight a collective area (i.e. Ithaca Commons, Restaurant Row).

History of Ithaca, Transportation & Industry

This theme area includes the section of Ithaca that was first settled in the late 1700s to early 1800s, Cayuga Inlet and Cascadilla Creek. The area also includes DeWitt Park, Ithaca's original public square, and the Sciencenter. Interpretive information could include the first settlers of the future Tompkins County and the Cayuga Nation. The Cayuga Indians built semi-permanent dwellings near freshwater sources, which enabled them to locate and transport game, as well as irrigate their crops without causing great stress on the land. In 1784, Simeon DeWitt acquired thousands of acres and platted an area at the base of East Hill; the settlement consisted of little more than the area bound by Cayuga, Court, Aurora and Green Streets. The area grew to include East Hill, Titus Flats and Fall Creek by the mid 1830s. Grist mills were located on nearby waterfalls, including those of Cascadilla Gorge and Fall Creek Gorge, and were part of the early industry of Ithaca. With the opening of the Erie Canal in 1825, traffic on Cayuga Lake grew and Cayuga Inlet gained importance, as did Cayuga Street, opened in 1828 as the village's principal north-south road. Railroads, a trolley system, electric streetcars and finally the personal automobile are all transportation modes that influenced the growth of Ithaca. Aviation also played a role in Ithaca's history; Ithaca is home to Thomas Morse Scout aircraft manufacturing.

History of the Silent Film Industry

The History of the Silent Film Industry theme is centered on Stewart Park, which is home to the sole architectural trace of a 1910s silent film studio founded by brothers Leopold and Theodore Wharton. This theme celebrates Ithaca's role in New York's film industry and caters to the curious resident, cultural tourist and fans of silent films alike.

History of Cornell

This theme centers on the area where Cornell University was established. It includes the Arts Quad, home to many original university buildings and the statues of the university's founders, Ezra Cornell and Andrew D. White. Interpretive information could include: the Land Grant Act of 1862, which provided "at least one college in each state where the leading object shall be, without excluding other scientific or classical studies, to teach such branches of learning as are related to agriculture and the mechanic arts...in order to promote the liberal and practical education of the industrial classes"; the establishment and evolution of Cornell University; and information about the early university buildings that frame the quad.

Geology & Glacial History

The Geology & Glacial History theme is centered on Fall Creek and includes Ithaca Falls and Beebe Lake. Interpretive information could focus on the glaciation that formed the Finger Lakes Region and the specific geologic and natural processes that led to the formation of Fall Creek Gorge and Ithaca Falls. Beebe Lake, once a forested swamp, was created in the early 1800s by damming Fall Creek to produce hydroelectricity. Cornell University, one of the first university campuses to use electricity to light the grounds, still utilizes hydroelectricity from a plant in Fall Creek Gorge.

Waterfront & Nature

The Waterfront & Nature theme focuses on the area including Allan H. Treman State Marine Park, Cass Park and the Ithaca Children's Garden. This area also includes a trailhead for the Black Diamond Trail and part of the Cayuga Waterfront Trail. Interpretive information could focus on the cultural role of the waterfront (Cayuga Lake as part of the Erie Canal system, water-based recreation, waterfront trails, etc.) and the natural role of the waterfront (wildlife and habitat; wetlands, floodplains and flood water storage; Cayuga Inlet and fish spawning; invasive aquatic species, etc.).

Nature & Ecology

The Nature & Ecology theme focuses on several preservation areas in Tompkins County that promote environmental education and encourage exploration of the natural environment. These include: Taughannock Falls State Park, Cayuga Nature Center, Museum of the Earth, Six Mile Creek Natural Area, Buttermilk Falls State Park and Robert H. Treman State Park. Interpretive information for this theme could present topics such as plants, animals, birds and insects; wildlife habitat; flora and fauna; ecosystems; geology; and paleontology. Information about hiking trails and programs and activities offered at the various parks should also be included.

Forest Ecology & Recreation

This theme area includes Danby, Shindagin Hollow and Hammond Hill State Forests, all managed by the New York State Department of Environmental Conservation (NYSDEC) for the conservation, protection and enhancement of forest ecosystems. Deliberate management over the last eight decades has created different types and ages of forest habitat, which makes these great places to view ecosystem management and habitat management in action. This varied habitats combined with diverse topography make

these forests a great place to enjoy activities such as mountain biking, hunting, hiking, snowmobiling, cross-country skiing, bird watching, nature viewing, picnicking and camping. Shindagin Hollow State Forest is a well known place for mountain biking. The Finger Lakes Trail crosses through all three forests. Interpretive information could include the history of land acquisition and forest management for ecological, economic, and recreational values, products and services; evidence of previous settlements and communities within the state forests; forest ecology; invasive species management; wildlife and habitats; and flora and fauna.

Looking at the bigger picture, these State Forests are part of the greater Emerald Necklace corridor, which harbors the divide between the Susquehanna River and Lake Ontario watersheds. It was predominantly forested at the beginning of the 19th century before it was cleared for agriculture. After 100 years of intensive agriculture, only 30 percent of the land south of Cayuga Lake remained forested. However, a great deal of the marginal farmland was abandoned early in the 20th century and purchased by State and Federal agencies to be managed as public open space. Today, roughly 75 percent of the land within the Emerald Necklace corridor is forested. The Emerald Necklace encompasses more than 50,000 acres of public open space and features a diversity of wildlife habitats and landscape features, including two Audubon New York-designated Important Bird Areas, multiple New York Natural Heritage Program (NYNHP) Significant Natural Communities, and forested lands that serve as the headwaters to streams feeding Cayuga Lake, the Susquehanna River, and ultimately the Chesapeake Bay. The Finger Lakes Trail passes over and along seventeen protected streams and through six state and federally classified wetlands.³

³ Whitmore and Manning. Finger Lakes Land Trust. *The Finger Lakes Trail In the Emerald Necklace: A Plan for Corridor Protection and Enhancement*. www.flit.org/linkfiles/EmeraldNecklaceReport.pdf

Kiosk Locations

Two types of kiosks are included in the family of wayfinding signage: the Interpretive Kiosk (see page 12) and the Pedestrian/Bicycle Kiosk (see p. 13). The table and maps on these facing pages identify locations for Interpretive Kiosks and Pedestrian/Bicycle Kiosks, and identify whether the kiosks are proposed, planned or existing.

ID	Interpretive Kiosk Location	District	Status	System
A	Allan Treman Marina	Waterfront	Planned	NYS Parks
B	Allan Treman Marina Osprey Panel	Waterfront	Existing	NYS Parks
C	Cass Park Birding Kiosk	Waterfront	Existing	CWT
D	Cayuga Lake Blueway Trail Allan Treman Marina	Waterfront	Planned	CLBT
E	Cayuga Lake Blueway Trail Cass Park Northeast	Waterfront	Planned	CLBT
F	Cayuga Lake Blueway Trail East Shore Park	Waterfront	Planned	CLBT
G	Cayuga Lake Blueway Trail Myers Park	Waterfront	Planned	CLBT
H	Cayuga Lake Blueway Trail Stewart Park East	Waterfront	Planned	CLBT
J	Cornell University Arts Quad	East Hill	Proposed	Cornell
K	Cascadilla Gorge	Downtown	Proposed	WISP
L	Dewitt Park	Downtown	Proposed	WISP
M	East Shore Park Scenic Views Panel	Waterfront	Existing	Town of Ithaca
N	Erie Canalway at Buffalo St and Inlet	Waterfront	Existing	ECNHC
O	Fall Creek at Pedestrian Suspension Bridge	East Hill	Existing	Plantations
P	Ithaca Commons at Aurora St	Downtown	Planned	Downtown
Q	Ithaca Commons at Cayuga St	Downtown	Planned	Downtown
R	Ithaca Falls	Waterfront	Proposed	WISP
S	MLK Freedom Walkway Kiosk at Southside CC	Downtown	Planned	MLK
T	Sciencenter	Waterfront	Proposed	Sciencenter
U	Stewart Park Birding Kiosk	Waterfront	Planned	FOSP
V	Taughannock Falls State Park Overlook	N/A	Planned	NYS Parks
a	Ithaca Gateway Pull-off at Rt 96B	N/A	Proposed	WISP
b	County Gateway Pull-off at Rt 89 (Warren Overlook)	N/A	Proposed	WISP
c	County Gateway Pull-off at Rt 13	N/A	Proposed	WISP
d	County Gateway Pull-off at Rt 96B	N/A	Proposed	WISP
e	County Gateway Pull-off at Rt 79	N/A	Proposed	WISP
f	County Gateway Pull-off at Rt 13	N/A	Proposed	WISP

KEY:

- Planned To be built under another system
- Proposed Recommended by this plan, as part of this plan or another system
- Existing Already installed under another system
- BDT Black Diamond Trail
- CLBT Cayuga Lake Blueway Trail
- CWT Cayuga Waterfront Trail
- ECNHC Erie Canalway National Heritage Corridor
- FOSP Friends of Stewart Park
- MLK MLK Freedom Walkway
- NYS Parks New York State Office of Parks, Recreation & Historic Preservation
- Plantations Cornell University Plantations
- WISP Tompkins County Wayfinding & Interpretive Signage Plan (this plan)

Tompkins County Map - Interpretive Kiosk Locations



Walk Time / Bike Time

The maps to be shown on the Pedestrian and Bike Kiosks shall include indication of walking distance or biking distance from the location of that particular kiosk. This can clearly and easily be accomplished by showing distance radii on the map and including information in the legend stating that a 1/4 mile distance is equal to a five minute walk, on average. A one mile distance is equal to a 20 minute walk or a seven minute bike ride, on average.

ID	Pedestrian/Bicycle Kiosk Location	District	Status	System
1	Black Diamond Trailhead at Ithaca Children's Garden	Waterfront	Planned	BDT
2	Black Diamond Trailhead at Taughannock Falls	N/A	Planned	BDT
3	Bus Station, Intercity	N/A	Proposed	WISP
4	Cayuga Street Garage	Downtown	Existing	Downtown
5	Cayuga Waterfront Trail at Cass Park Pool	Waterfront	Existing	CWT
6	Cayuga Waterfront Trail at Inlet Island	Waterfront	Existing	CWT
7	Cayuga Waterfront Trail at Ithaca Farmers Market	Waterfront	Existing	CWT
8	Cayuga Waterfront Trail at Stewart Park	Waterfront	Planned	CWT
9	Cayuga Waterfront Trail at Visitors Center	Waterfront	Existing	CWT
10	Central Avenue at Cornell University	East Hill	Proposed	Cornell
11	Collegetown at Mitchell St (366) & College Ave	East Hill	Proposed	WISP
12	Collegetown Garage	East Hill	Proposed	WISP
13	Dewitt Mall	Downtown	Proposed	WISP
14	Dryden Village Center	N/A	Proposed	WISP
15	East Ithaca Recreation Way at Game Farm Road	East Hill	Existing	Town of Ithaca
16	East Ithaca Recreation Way at Honness Lane	East Hill	Proposed	Town of Ithaca
17	Green Street Garage	Downtown	Existing	Downtown
18	Groton Village Center	N/A	Proposed	WISP
19	Ithaca Commons at Aurora St	Downtown	Existing	Downtown
20	Ithaca Commons at Cayuga St	Downtown	Existing	Downtown
21	Ithaca Commons / Green St Station	Downtown	Proposed	WISP
22	Ithaca Commons / Seneca St Station	Downtown	Proposed	WISP
23	Seneca St Garage pedestrian exit on Aurora St	Downtown	Proposed	WISP
24	Seneca St Garage pedestrian exit on Tioga St	Downtown	Existing	Downtown
25-28	South Hill Recreation Way Trailheads (4)	South Hill	Existing	Town of Ithaca
29	Stewart Ave at Cornell	East Hill	Proposed	Cornell
30	Stewart Ave & University Ave at Cornell University	East Hill	Proposed	Cornell
31	State Street at Kitchen Theatre	Downtown	Proposed	WISP
32	Trumansburg Village Center	N/A	Proposed	WISP
33	Visitors Center	Waterfront	Proposed	WISP

LEGEND

Ithaca Wayfinding Districts

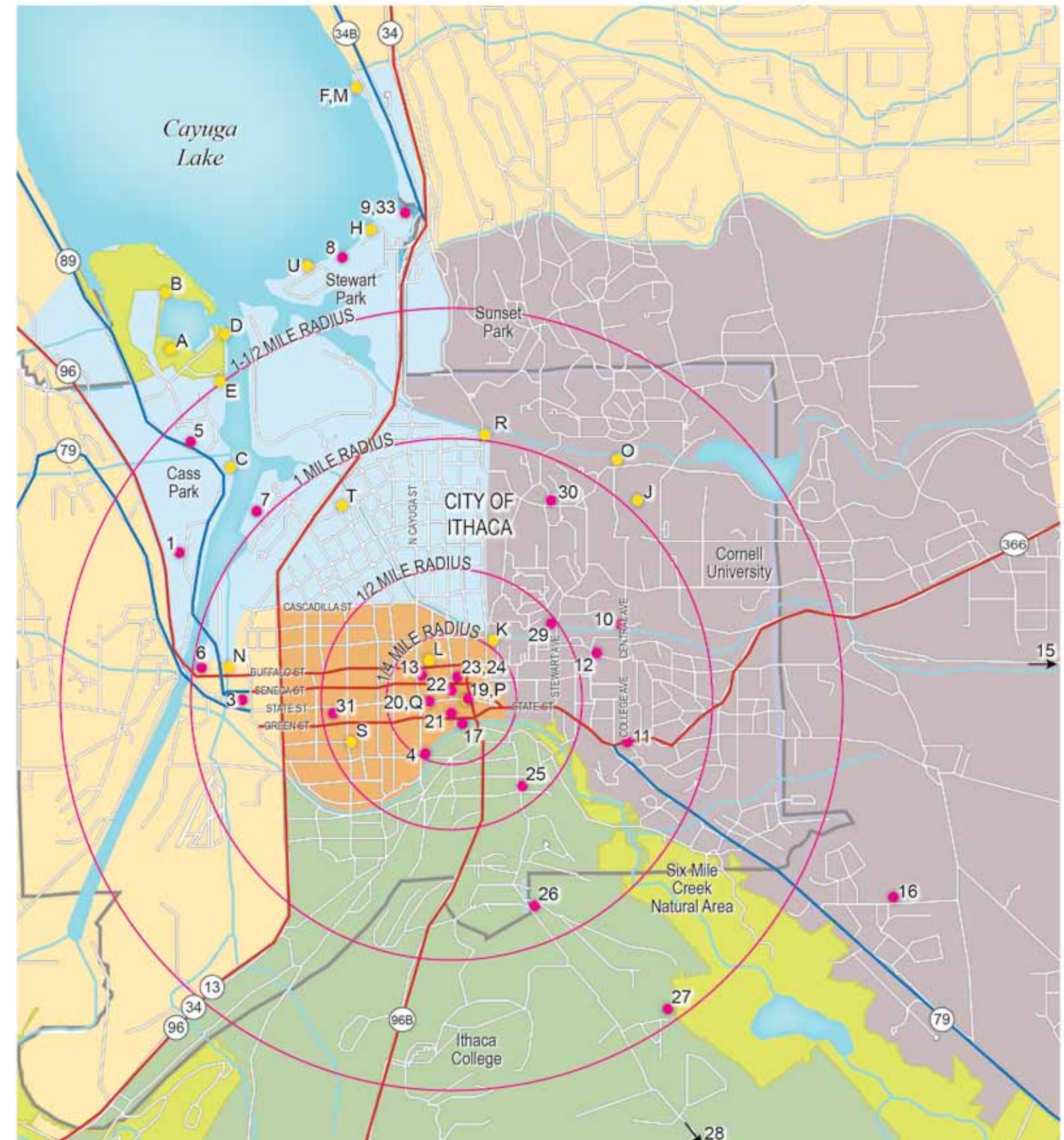
Waterfront / Downtown / East Hill / South Hill

● Pedestrian/Bike Directional Kiosks

● Interpretive Kiosks



Ithaca Inset Map - Interpretive Kiosk & Pedestrian/Bicycle Kiosk Locations



Vehicular Signage Plan

Proposed Wayfinding Signs

The first series of maps identifies the locations of proposed wayfinding signage, sign type and text for each sign. This series of maps and supporting information is included in Appendix A.

Existing Guide Signs

The second series of maps identifies the locations of the county's existing guide signs. This series of is included in Appendix B.

Existing signs are broken into three categories:

- existing signs that will be replaced by new wayfinding signs
- existing signs that will stay
- existing signs that will be removed

Some existing guide signs will stay because they provide useful information and the existing sign type is a more appropriate format than using a community wayfinding sign. These include:

- green and white DOT guide signs that direct motorists to neighboring communities (e.g. Genoa 11, Auburn 25).
- some green and white DOT college/university guide signs with icon
- green and white DOT guide/exit signs along Ithaca Bypass
- Cayuga Scenic Byway and Cayuga Wineries signs
- Erie Canalway National Heritage Corridor signs

Existing signs should be removed in three cases:

- they are redundant to the new wayfinding signage
- the information on the sign is incomplete (e.g. the sign directs vehicles to Cayuga Nature Center, but the Vehicular Signage Plan calls for a sign that directs vehicles to both Cayuga Nature Center and Taughannock Falls State Park), or
- the information on the sign conflicts with the wayfinding directions being provided by the new wayfinding signs.

Tompkins County Map - Proposed Wayfinding Signs

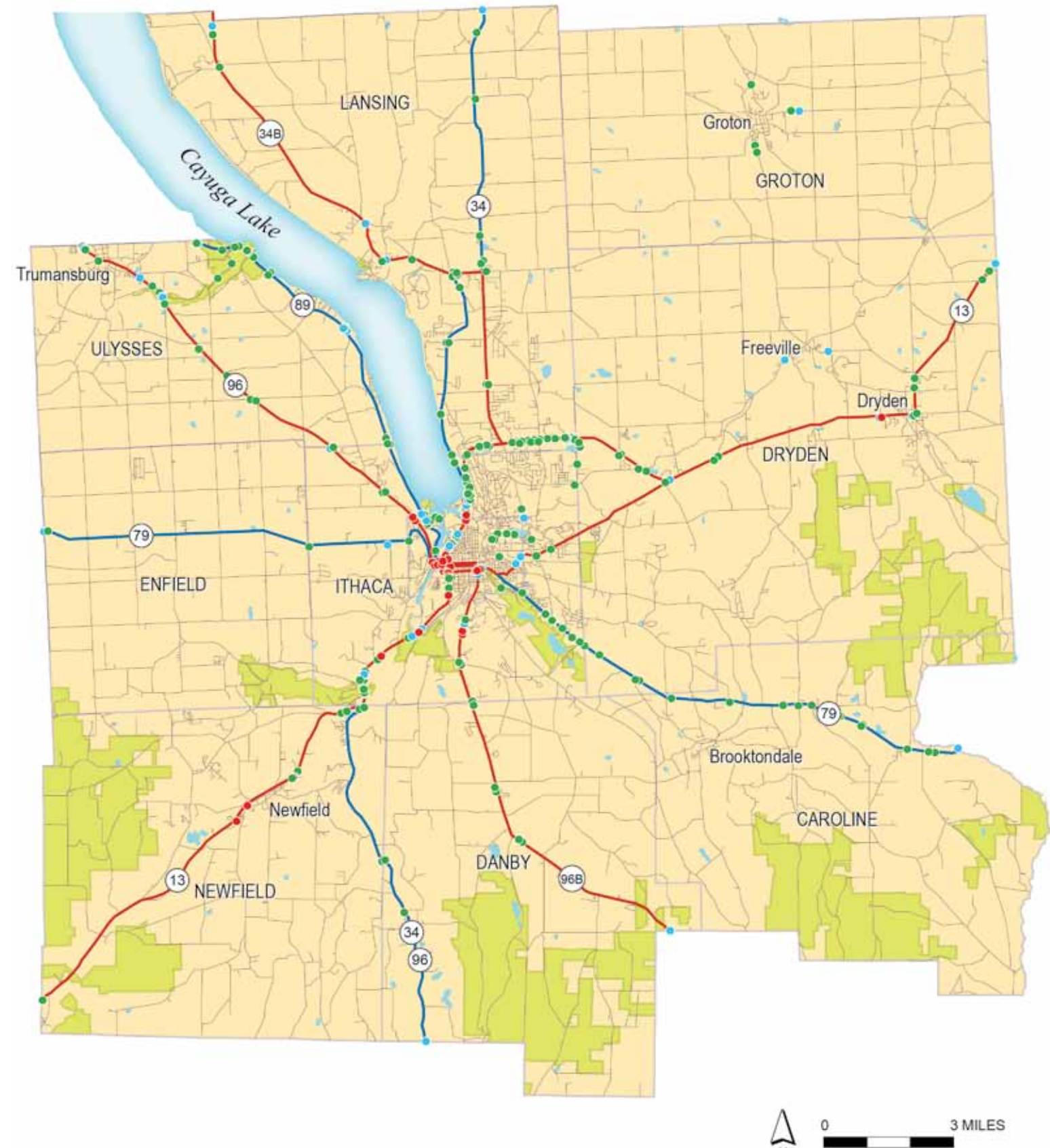


Tompkins County Map - Existing Guide Signs

The county-wide maps shown on these pages are provided to give a general overview of the Signage Plan mapping. More user-friendly, smaller-scale maps are provided in Appendices A and B.

LEGEND

- Proposed County Gateway Sign
- Proposed Municipal Gateway Sign
- Proposed Community Wayfinding Sign
- Proposed DOT Sign
- Existing Wayfinding Signs - Keep
- Existing Wayfinding Signs - Replace
- Existing Wayfinding Signs - Remove
- Primary Wayfinding Route
- Secondary Wayfinding Route



Implementation

The implementation strategy presented here is a plan for realizing the wayfinding and interpretative signage system in Tompkins County. It includes a recommended phasing strategy for implementing the plan in logical phases as funding becomes available, as well as estimated fabrication and installation costs, and a list of actions necessary to advance the process.

Implementation of the wayfinding and interpretative signage system is proposed to occur in three distinct phases. This phased approach allows for the installation of the signage as funding becomes available. The implementation is divided into logical phases based on several factors including:

- the sequence in which a visitor would encounter the signage when entering the county
- sign ownership/installation responsibilities
- level of complexity

Phasing Strategy

Phase 1

Phase 1 sets the stage for the county-wide wayfinding system by installing the County Gateway Signage and several Interpretive Kiosks. The County Gateway Signs announce one's arrival and introduce the image and brand of the wayfinding signage. The Interpretive Kiosks provide information about the county's attractions, identify where they are located and pique the reader's interest in exploring the county and what it has to offer.

- Scope:
- a) Install the ten Tompkins County Gateway signs
 - b) Install the six Interpretive Kiosks (a-f the County Interpretive Kiosk map) at the existing pull-off/overlook associated with the county/municipal gateways

Phase 2

Phase 2 fills in the gaps between the County Gateways and the Municipal Gateways by installing the Inter-Community Signage, which guides motorists between the county line and individual attractions/municipalities

- Scope: Install the DOT Destination Guide Signs (green and white signs) and the Recreational and Cultural Interest Signs (brown and white signs)

Phases 3A - 3C

Phases 3A-3C should occur after the wayfinding signage foundation is established by Phases 1 and 2. However the phases A, B and C within Phase 3 could occur in any order or concurrently.

3A: Community Gateway and Wayfinding Signage, not including the City of Ithaca

- Scope:
- a) Install the Municipal Gateway signage for the Villages of Trumansburg, Dryden, Freeville and Groton, the Town of Newfield and the Hamlet of Brooktondale and the Vehicular Directional signage for the Village of Dryden
 - b) Install the Pedestrian/Bicycle Kiosks at the village centers in Dryden, Groton and Trumansburg

3B: Community Gateway and Wayfinding Signage for the Town and City of Ithaca

- Scope: Install the Municipal Gateway and Community Wayfinding signage for the Town and City of Ithaca

3C: Pedestrian/Bicycle Community Wayfinding for the City of Ithaca

- Scope: Install the remaining Interpretive Kiosks and Pedestrian/Bicycle Kiosks in the City of Ithaca

Cost Estimate

The construction costs below are based on the Design Standards, Interpretive Signage Plan and Vehicular Signage Plan in this report and are estimated budget amounts only. Costs include the materials, fabrication and installation of the various sign types and kiosks. The cost provided for the kiosk includes design development of the interpretive panels. Unit costs are provided for the Pedestrian Directional Signs and the Bicycle Directional Signs, but their cost is not included in the overall system cost, as the quantities of these signs need to be determined in a subsequent project. The estimated costs includes contingency, as noted.

Individual Sign Costs

Individual sign costs include a 15% contingency which could include expenses such as mounting hardware, freight, installation conditions, etc.

SIGN TYPE	UNIT COST
County Gateway (2 sided)	\$6,440
Municipal Gateway	\$5,000
District Information	\$5,000
Vehicular Directional	\$5,000
Parking Information	\$2,100
Standard DOT Signage	\$1,200
Kiosk	\$9,000
Pedestrian Directional	\$1,900
Bicycle Directional	\$ 800

System Cost

The overall system cost also includes a 15% contingency which could include expenses such as construction administration, mobilization, locating the signs in the field, locating utilities, unknown complications, etc.

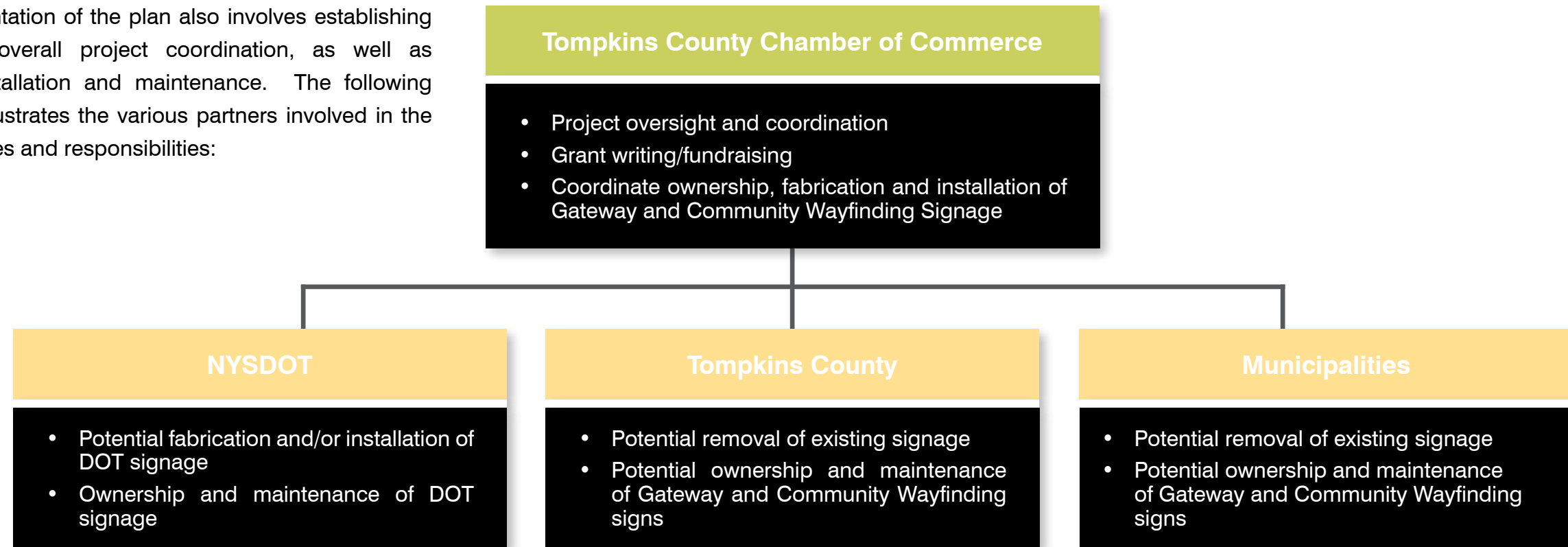
SIGN TYPE	QTY	COST
County Gateway (2 sided)	10	\$64,400
Municipal Gateway	22	\$110,000
District Information	6	\$30,000
Vehicular Directional	118	\$590,000
Parking Information	6	\$12,600
Standard DOT Signage	59	\$70,800
Kiosk	21	\$189,000
Pedestrian Directional	TBD	
Bicycle Directional	TBD	
	Subtotal	\$1,066,800
	15% Contingency	\$160,020
	TOTAL COST	\$1,226,820

The overall system cost, including contingency from above, can be further separated into Phases as follows:

PHASE	TOTAL COST
Phase 1	\$136,160
Phase 2	\$ 81,420
Phase 3a	\$174,800
Phase 3b	\$710,240
Phase 3c	\$124,200
TOTAL COST	\$1,226,820

Partners in the Process

Successful implementation of the plan also involves establishing responsibilities for overall project coordination, as well as sign fabrication, installation and maintenance. The following organization chart illustrates the various partners involved in the process and their roles and responsibilities:



Ensuring Progress

In order to proceed with the first phase of implementation and to keep the later phases of the project on track, certain actions must be accomplished. The following chart summarizes the actions necessary to implement the Wayfinding & Interpretive Signage Plan, as well as a time frame to signify when it should be addressed and responsible partners:

Actions	Timeframe	Partners
Determine who will own and maintain the Gateway and Community Wayfinding signage (The DOT has stated they will own and maintain the Destination Guide Signs and Recreational and Cultural Interest Area Signs)	Immediate	Tompkins County Chamber of Commerce, Steering Committee, County and Municipalities
Secure implementation funding from a variety of sources	Immediate and ongoing	Tompkins County and Municipalities
Pursue bidding, fabrication and installation of wayfinding signage by phase	Immediate and ongoing	Tompkins County
Before signage installation, submit plans with finalized sign locations to the following municipalities for review, as requested during project development: Tompkins County, City of Ithaca, Village of Groton, Village of Lansing, Village of Trumansburg	Immediate and ongoing	Tompkins County Chamber of Commerce, sign contractor
Pursue additional study into pedestrian destinations, main pedestrian routes and decision points, and locations of Pedestrian Directional Signs in the City of Ithaca	Immediate and medium-term	Tompkins County Chamber of Commerce, City of Ithaca
Continue bicycle route planning efforts in the City of Ithaca and coordinate with the Pedestrian/Bicycle kiosk development	On going and medium term	Tompkins County Chamber of Commerce, City of Ithaca
Pursue detailed interpretation program to further develop the proposed interpretive stories for inclusion on the Interpretive Kiosks	Immediate	Tompkins County Chamber of Commerce, Steering Committee, Strategic Tourism Planning Board, County and Municipalities
Coordinate installation of new signage and removal of existing signage	Immediate and ongoing	Tompkins County and Municipalities
Continue research into ownership of the Warren Overlook site	Immediate	Tompkins County, NYSOPRHP

Recommendations

The following recommendations have resulted from discussions between the project consultant, peter j. smith & company,inc., and the Wayfinding Steering Committee. The Recommendations concern further actions needed to round out the system, as well and coordination needed between this project and other projects/groups active within the county.

Wayfinding Recommendations	Partners
Pursue additional study into pedestrian destinations, main pedestrian routes and decision points, and locations of Pedestrian Directional Signs in the Town and City of Ithaca	Tompkins County Chamber of Commerce, Town of Ithaca, City of Ithaca
Continue bicycle route planning efforts in the City of Ithaca and coordinate with the Pedestrian/Bicycle kiosk development	Tompkins County Chamber of Commerce, City of Ithaca
Contact NYSDOT to discuss putting DOT Destination Guide Signs on the Aurora Street bridge over Green Street (Community Wayfinding signs cannot be placed overhead per MUTCD)	Tompkins County Chamber of Commerce, Steering Committee, City of Ithaca
Coordinate with NYS Parks to include a County Gateway Interpretive Kiosk at the soon-to-be-redesigned Taughannock Falls overlook and new visitor center	Tompkins County Chamber of Commerce, Steering Committee, NYS Parks
Develop an audible information system for the visually impaired, including a braille-like QR code on the Pedestrian Directional Signs	Tompkins County Chamber of Commerce, Town of Ithaca, City of Ithaca
As the Cayuga Lake Blueway Trail, Black Diamond Trail and other trails are completed, consider adding their trailheads as destinations on the Community Wayfinding Signage, as space permits	Tompkins County Chamber of Commerce, Steering Committee, Black Diamond Trail management partners, Cayuga Lake Blueway Trail Steering Committee
Investigate opportunities and procedure to coordinate Google Map (and other navigation platforms) information to support the preferred travel routes of the Community Wayfinding system	Tompkins County Chamber of Commerce, Steering Committee, Tompkins County Planning Department, municipal planning departments
Interpretive Signage Recommendations	Partners
Coordinate downtown Ithaca pedestrian maps/kiosks with the design proposed in this plan when the existing orientation maps are replaced	Tompkins County Chamber of Commerce, City of Ithaca, downtown Ithaca planning partners
Coordinate the interpretive kiosks planned for the Cayuga Lake Blueway Trail with existing and planned interpretive signs that are part of this and other systems, to include a common design element that ties the systems together	Tompkins County Chamber of Commerce, Cayuga Lake Blueway Trail Steering Committee
Common Recommendations	Partners
Pursue the development of a website and mobile app to compliment the physical Wayfinding & Interpretive Signage system	Tompkins County Chamber of Commerce, Steering Committee, Ithaca/Tompkins County Convention & Visitors Bureau
Pursue the development of print information, e.g. pocket maps, to compliment the Wayfinding & Interpretive Signage Plan	Tompkins County Chamber of Commerce, Steering Committee, Ithaca/Tompkins County Convention & Visitors Bureau
Pursue the development of text message maps (see next page), to compliment the Wayfinding & Interpretive Signage Plan	Tompkins County Chamber of Commerce, Steering Committee, Ithaca/Tompkins County Convention & Visitors Bureau

Next Steps

The Next Steps presented here build upon several of the Recommendations listed on the previous page. The first two phases of the Wayfinding & Interpretive Signage Plan are complete (this project), but several more projects need to be initiated and completed to realize the Wayfinding Steering Committee's overall vision for the Wayfinding & Interpretive Signage System. Additionally funding needs to be pursued and secured to begin implementation of the first three implementation phases proposed in this plan.

Digital Wayfinding

The Wayfinding Steering Committee has expressed an interest in developing a digital wayfinding system to complement the proposed physical Wayfinding and Interpretive Signage System. Several ideas proposed for the digital wayfinding system include a website, iPhone and Android mobile apps, interactive maps, text message maps, and beacons. The VisitIthaca.com website has been suggested as the platform to host the Community Wayfinding website; VisitIthaca.com is slated for a major overhaul in 2015, which would allow for easier integration. The following case studies demonstrate how other organizations have used these techniques, which could be applied similarly to the Tompkins County Wayfinding & Interpretive Signage System.

Websites

NavigateHollywood.com

This interactive wayfinding website is designed to help the user navigate to, through and out of Hollywood, California. The website works on PCs as well as mobile devices. The website's home page provides driving directions from a user-specified location to a featured destination chosen from a drop down list. The website also features tabs entitled, Transit, Walk/Bike, Drive/Park, Taxi and Traffic. Each tab opens up an interactive map onto which the user can turn on/select relevant information. For example, the Walk/

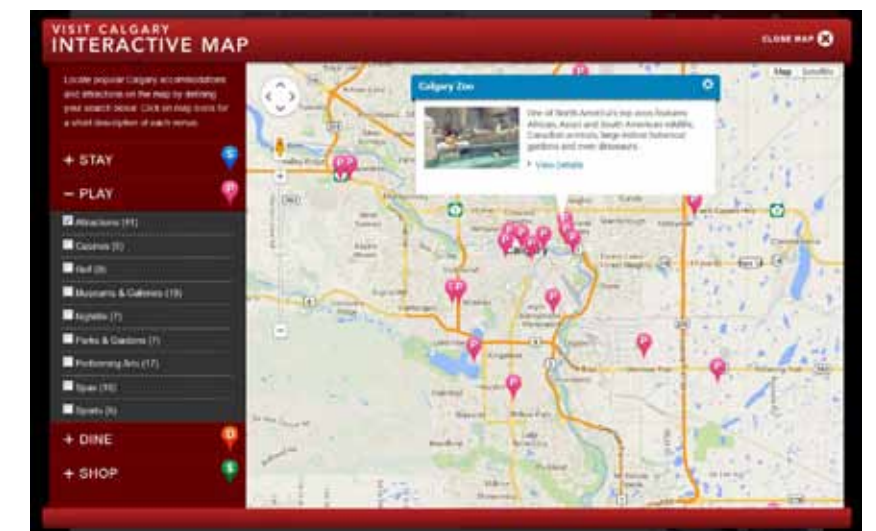
Bike map can display bicycle routes, racks, lockers, tire air pumps, bicycle shops and walking tours. The Drive/Park map can display parking locations, park and pay stations, valet stands, rental car locations and featured destinations. The Drive/Park map is the only map that allows the opportunity to show featured destinations. To make the website better and more relevant as a model for the Community Wayfinding website, the featured destinations option should be a selectable feature on all maps.

VisitCalgary.com

This mobile-friendly website is the official website of Tourism Calgary. The organization of the site appears slightly different depending on what type of device is being used to view the website. In general, the website includes information on restaurants and dining, accommodations, activities and attractions, arts and culture, neighborhoods, itineraries and more. For any item under these categories, the user can choose to "view details" or "view on map"; "view on map" shows the location on a pop-up Google map or, optionally, on the Interactive Calgary Map). The interactive map can also be accessed directly from the side bar of the home page.

When using the interactive map, the user can choose to turn on/select items from the following categories: Stay, Play, Dine and Shop. Play, for example, includes the following subcategories: Attractions (42), Casinos (5), Golf (9), Museums & Galleries (20), Nightlife (7), Parks & Gardens (7), Performing Arts (17), Spas (10)

and Sports (5). Once a subcategory is selected, the user can click on any icon displayed on the map and a box pops up with a short description. There is a "view details" link in the box, which takes the user to the "view details" (see above) page for that item.



Websites with Mobile Apps

Colonial Williamsburg

The website, ColonialWilliamsburg.com, includes tabs at the top of the home page entitled, Discover Colonial Williamsburg, Things to Do, Places to Stay and Plan Your Visit. The Things to Do page, for example, lists featured special events and contains links to The Revolutionary City (briefly explains the premise of the working, historical setting), Art Museums, Historic Jamestowne, Restaurants, Shopping and Wellness & Recreation. While a nice variety of information is presented to help the user learn about Colonial Williamsburg and plan one's stay, questionable organization of the website, can make the user experience a bit confusing. Additionally, there is an interactive map that can be accessed from a web browser at <http://map.colonialwilliamsburg.com/>, but there isn't any link to this interactive map from the website, ColonialWilliamsburg.com. The interactive map features are described below.

Colonial Williamsburg also has an app for iPhone/iPod/iPad and Android, Colonial Williamsburg's Explorer. The design style of the app reflects the design style of the website. The app presents information about all the places

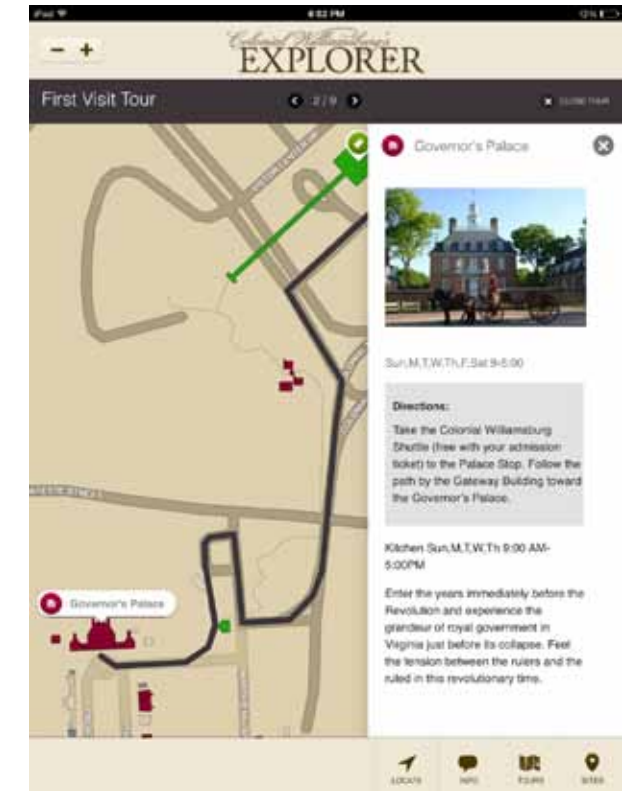
University of British Columbia

The website for the University of British Columbia (UBC) has several features that are relevant to the future Community Wayfinding website. From the homepage, <http://www.ubc.ca>, the Community tab lists information such as Events, Recreation, Continuing Studies, Bookstore, Arts and Culture, Sports and Attractions. Clicking on the Attractions tab, for example, brings up a list of attractions with a picture and a brief description including: Museums & Galleries, Gardens and Music & Performing Arts. Clicking on one of these attractions brings the user to the web page for that attraction. The attractions web pages do not include a link to maps or directions. The website also features an interactive map, although it is not accessible from the main pages. The map can be accessed from any page that features the Quick Links tab, including the Search page, (from Quick Links, select Maps|Vancouver Campus|Wayfinding at UBC) or by going to the following address: www.maps.ubc.ca. Once on the interactive map page, the Quick Links list on the right provides information

one can explore with an admission ticket. The app is an interactive map with four tabs: Info, Sites, Tours, Locate and Info. The info tab briefly explains how to use the app. The Sites tab enables the user to select various sites to appear on the map. These include: Historic Sites, Historic Trades, Museums & Venues, Tickets & Information, Dining, Hotels, Shopping, Recreation, Refreshments, Restrooms, Bus Stops and Parking Lots. The Tours tab lists self-guided walking tours. After selecting a tour, the first stop appears on the interactive map; one can press the next arrow to proceed through the tour. Information displayed for each stop along the tour includes: a picture, directions from the previous stop, operating hours and a short description. In the app reviews, one user suggested adding an audio component to the tour information, as well as additional tours (currently there are only two). The Locate tab allows mobile device users to see their current location on the interactive map. In the app reviews, a user suggested adding an overview map that simply shows where you are relative to the rest of the town - just a "you are here" symbol with no other icons.

about attractions and brings up a campus map showing the location of the selected attraction. The user can then add a second attraction (but only two total). After selecting two attractions, the user can (1) click on a link to Google Maps, which provides driving or walking directions or (2) print the campus map with the attractions highlighted.

UBC also has a mobile app for iPhone/iPod/iPad, which can also be accessed through one's internet browser at m.ubc.ca/home. The mobile app features an interactive map where one can turn on/select the locations of: Attractions, Help Phones, Food Outlets, Libraries, Parking, UBC Housing or Athletics (only one category at a time). Clicking on a location icon brings up the following choices: information, walking directions, driving directions or bus stops. There are also links to view the location in Google Maps or to get directions from Google.



Websites with Mobile Apps (cont.)

National Parks Service Boston National Historical Park

The National Park Service maintains a website and mobile app for its Boston National Historical Park (as well as other parks). The website (www.nps.gov/bost) includes a wider variety of information than the app, which is typical of all the examples here. Features of the website include: Plan Your Visit, Photos & Multimedia, History & Culture, For Teachers, For Kids, News & Management and a non-interactive park map. The Plan Your Visit tab, for example, includes Directions (general, from major routes), Operating Hours & Seasons, Fees & Reservations, Accessibility, Things to Do, Places to Go (links to others' web pages - e.g. theFreedomTrail.org) and Things to Know Before You Come.

The mobile app for iPhone/iPod/iPad or Android includes the following tabs: Sites, Tours, Maps and More (general information). The Sites tab lists each of the destinations in the park. Clicking on a site/destination brings up a picture, as well as an overview, visiting information, and (sometimes) an audio clip with historical

information about the site. There is also a button to click to get directions, either from one's current location or from a nearby site. Directions can also be sent to the user's mobile device by entering an e-mail address when prompted; this is also known as a text/e-mail message map. The Tours tabs lists a number of self-guided tours one can take through the park. One can either select the full tour, or start the tour from one's current location. The tour presents each site along the route with walking directions between sites. The user has the option of clicking on a site for more information (same information as in Sites tab). The Maps tab shows all of the sites in the park. By clicking on a site, the user is given the choice to view the site in the Sites tab or to "Add to My Tour" to create a custom tour. One's custom tour appears under Tours|Create Your Own Tour.



Text Message Maps

Text message maps are static (non-interactive) maps located at a site, which include a "text message number". When the number is texted from a mobile device, the user receives a return text message with information about that site/area. The message often provides brief information about the site/area, events, hours of operation, nearby attractions or the best place to park. Text message maps could be located on bus shelters, kiosks or signs.

Quick Response (QR) Codes

QR Codes can be incorporated into kiosks and pedestrian wayfinding signage. Mobile phone users can use a free app on their mobile device to scan the QR code. Their mobile device's internet browser then takes them to a web page with additional information. Braille-like QR codes can be developed to provide audible wayfinding information for the visually impaired.

Beacons

Beacons are small, wireless transmitters that broadcast radio signals short distances. Beacons utilize Bluetooth Low Energy (BLE) technology to communicate with iPhone/iPod/iPad and Android mobile devices. With a specially designed app open on a phone or tablet, the beacon will recognize the location of the user and guide the user through the area of interest on a map. As the user approaches an attraction, hours of operation or attraction information could be sent to the mobile device and pop up on the map. Beacons can offer personalized content based on a user's location. A beacon can sense when a user enters a perimeter, where they are within the perimeter and when they exit a perimeter. Based on this, it can then send information such as a welcome message, information about nearby attractions, wayfinding between attractions, calendars of events and activities, special offers, a thank you for coming message, etc. The integration of beacon technology with mobile devices is an emerging technology, typically used on a small scale (inside a hospital, for example, or indoors and outdoors within a campus). The beacon technology has interesting benefits that may have potential to be applied on a county-wide basis.



Potential Funding Sources

The matrix below provides an inventory of potential grant and government funding sources that may be applicable to future wayfinding planning phases (pedestrian wayfinding, bicycle wayfinding, interpretive program development), as well as for fabrication and installation of the community wayfinding and interpretive signage.

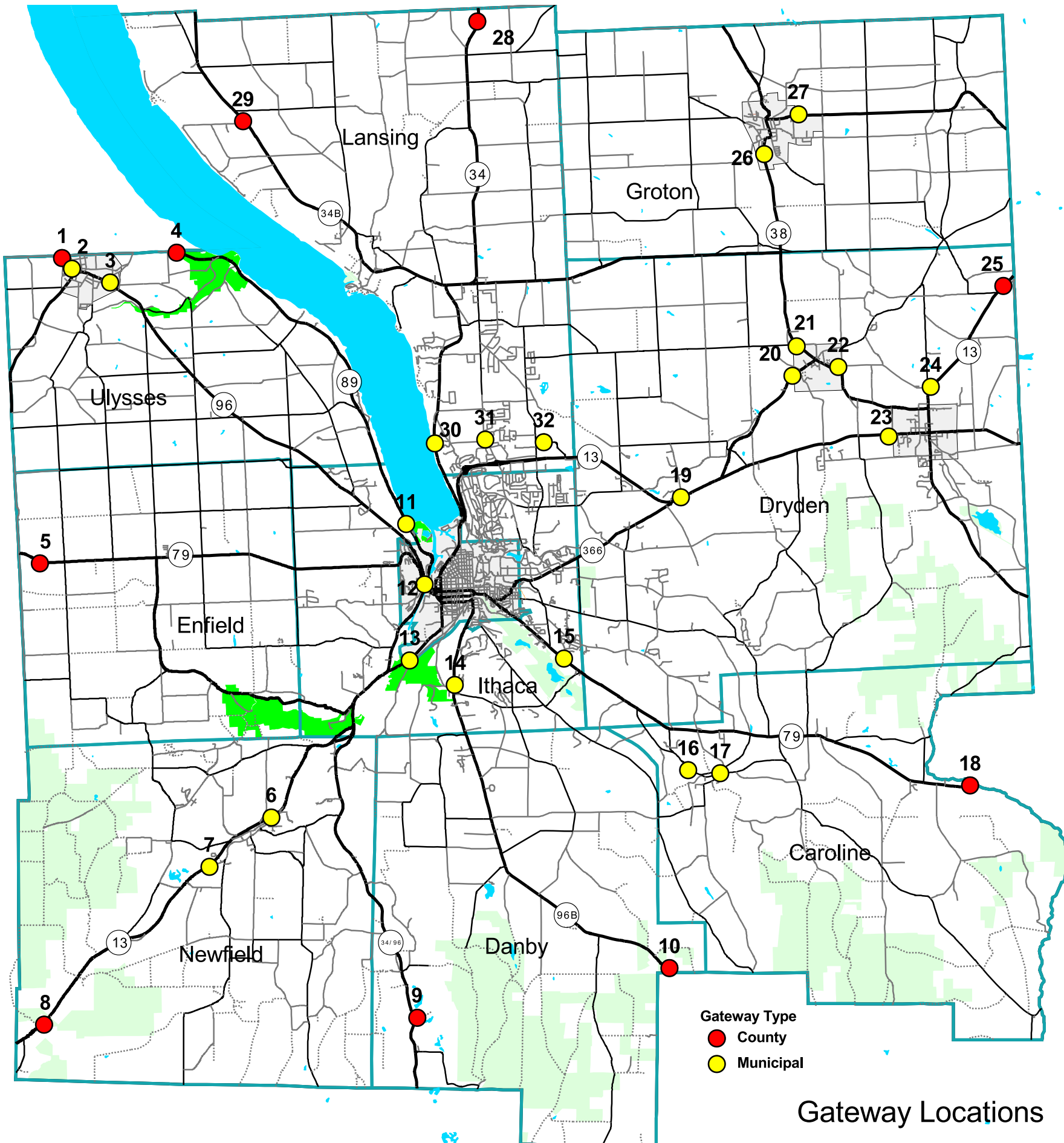
Federal, State and Local Funding Sources		
Program	Description	For more information
Business Improvement District	A Special Assessment, Business Improvement and Property-Based Improvement District (BID/PBID) can assess an annual tax on a property, which can be used for maintenance and promotion of the district identity by means of wayfinding, unified signage, events and business activities. These districts also have authority to improve streetscape infrastructure and issue bonds for capital costs on large projects.	
Community Development Block Grant Program (CDBG)	The CDBG is administered by the Department of Housing and Urban Development (HUD). CDBG is a stand-alone source of federal funding that provides communities with resources to address a wide range of unique community development needs. It is often used to support urban streetscape projects.	http://portal.hud.gov/hudportal/HUD?src=/program_offices/comm_planning/communitydevelopment/programs
Moving Ahead for Progress in the 21st Century Act (MAP-21)	MAP-21 is a federally funded program for transportation infrastructure improvements. The authorization ensures local communities are able to build multimodal, sustainable projects ranging from passenger rail and transit to bicycle and pedestrian paths.	www.dot.gov/map21 www.fhwa.dot.gov/map21
Transportation Alternatives Program (TAP)	TAP is a federal reimbursement program under MAP-21, administered by the NYSDOT. Funds can be used for a variety of alternative transportation projects, including bicycle and pedestrian facilities; conversion of railroad corridors for trail use; and infrastructure-related projects to provide access for/improve the safety of children, older adults, and individuals with disabilities (including Safe Routes to School-type projects).	www.dot.ny.gov/tap
National Scenic Byways Program	The National Scenic Byways Discretionary Grants program provides funding for byway-related projects each year, as part of the Federal Highway Administrations Discretionary Grants Program, including funding for bicycle and pedestrian facilities along scenic byways	www.fhwa.dot.gov/byways
NYS Regional Economic Development Council Grants	Regional Councils focus on the implementation of each region's strategic plan, and invest in significant economic development projects. The program includes funding through 12 state agencies, including Empire State Development; NYS Canal Corporation; NYS Energy Research and Development Authority; New York Power Authority; Environmental Facilities Corporation; Homes and Community Renewal; Department of Labor; NYS Parks; Department of State; Department of Environmental Conservation, Office of Storm Recovery and Council on the Arts. Specific programs that may be applicable to the wayfinding planning/implementation projects include: capital grant funding from the Regional Council Capital Fund; Market New York; Arts, Culture and Heritage Project Funds; Community Development Block Grant Program; Environmental Protection Fund Municipal Grant Program: Park Acquisition, Development and Planning; and Cleaner, Greener Communities Program, Phase II Implementation Grants.	http://regionalcouncils.ny.gov/assets/documents/resources-available-2014.pdf
Preserve America Grants	The Preserve America matching-grant program provides planning funding to designated Preserve America Communities to support preservation efforts through heritage tourism, education, and historic preservation planning.	www.nps.gov/history/hps/HPG/PreserveAmerica/index.htm
Tompkins County Tourism Program	Hotel room occupancy taxes are collected by the County and re-invested in a variety of tourism initiatives that promote economic development and enhance local quality of life. All investments are aligned with the Tompkins County 2020 Strategic Tourism Plan.	www.tompkinscountyny.gov/tourism
Transportation Investment Generating Economic Recovery (TIGER) Discretionary Grants	The US Department of Transportation's TIGER Discretionary Grants invest in transportation projects that better connect communities to centers of employment, education, and services (including for non-drivers) and that hold promise to stimulate long-term job growth, especially in economically distressed areas.	www.dot.gov/tiger
Private Funding Sources		
PeopleForBikes (formerly Bikes Belong) Community Grant Program	The PeopleForBikes Community Grant Program provides funding for important and influential projects that leverage federal funding and build momentum for bicycling in communities across the U.S. These projects include bike paths and rail trails, as well as mountain bike trails, bike parks, BMX facilities, and large-scale bicycle advocacy initiatives.	www.peopleforbikes.org/pages/community-grants
Surdna Foundation Grants	The Surdna Foundation seeks to foster sustainable communities in the United States -- communities guided by principles of social justice and distinguished by healthy environments, strong local economies, and thriving cultures.	www.surdna.org



Appendix A - Proposed Wayfinding Signs



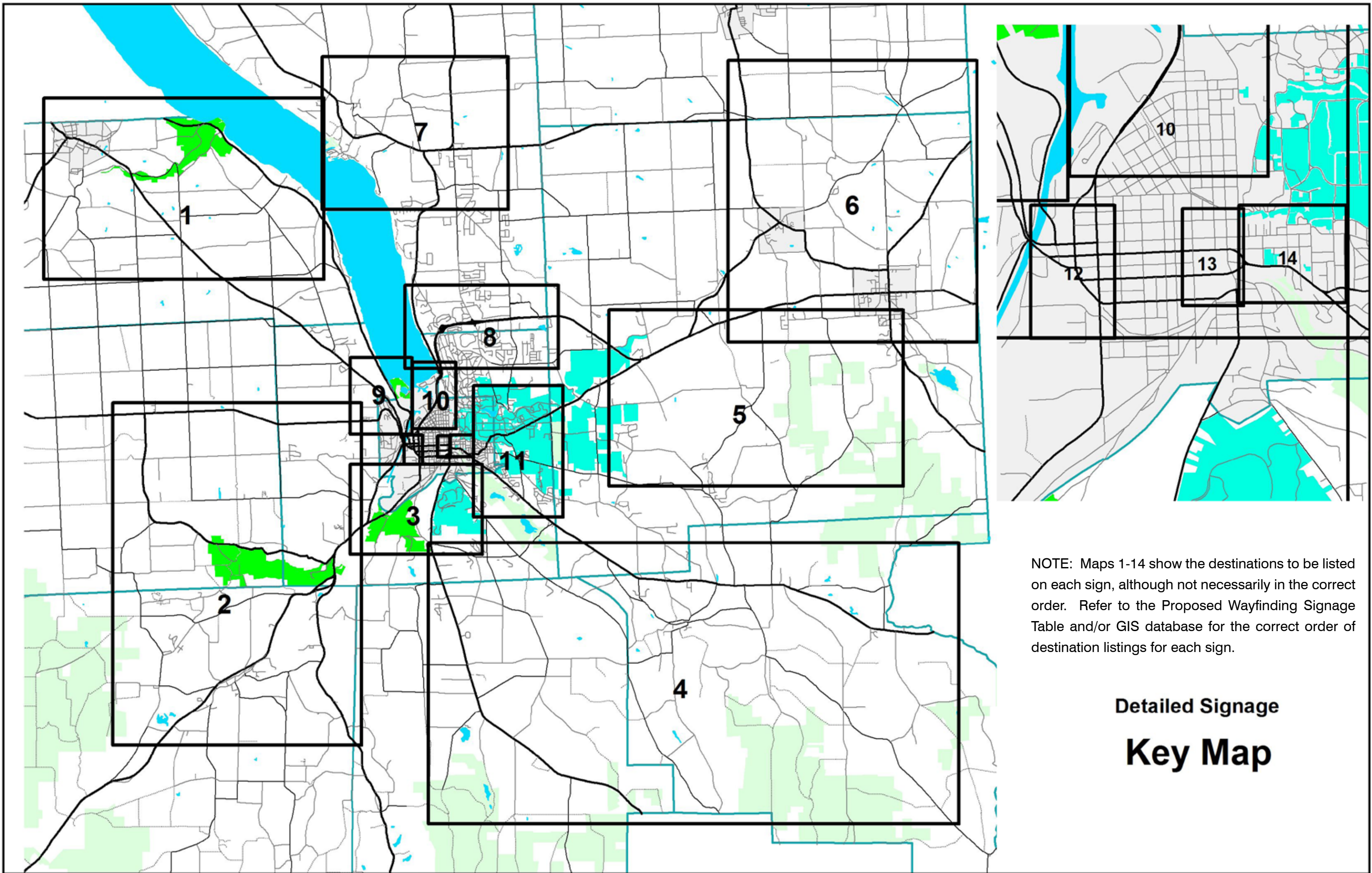




Gateway Locations

Proposed Gateway Signage Table

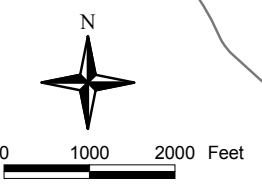
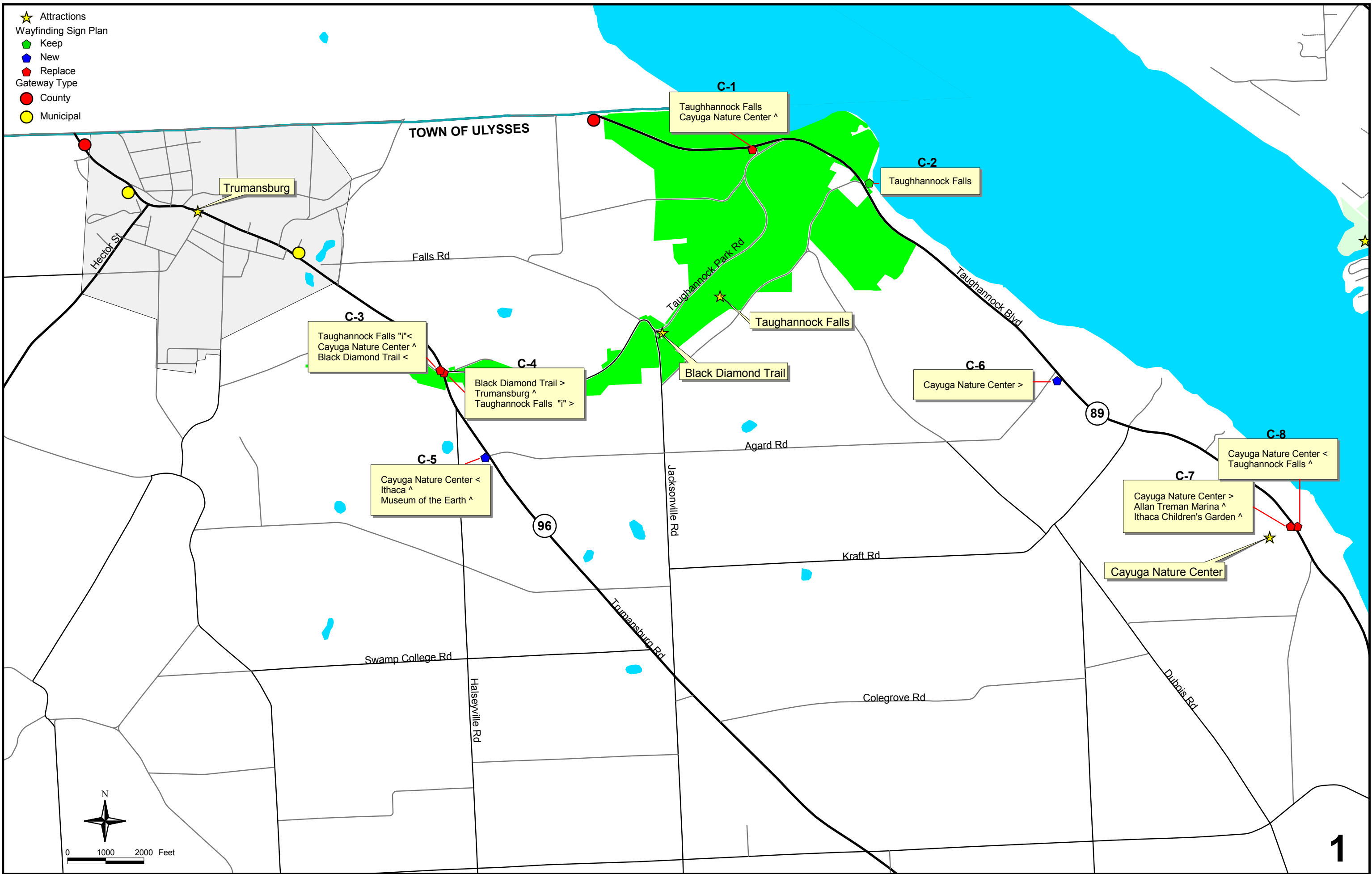
ID	TYPE	COMMUNITY	STATUS	ROUTE	DIRECTION	JURISDICTION
1	County		Replace	Rt. 96	S	DOT
2	Municipal	Trumansburg	New	Rt. 96	S	DOT
3	Municipal	Trumansburg	New	Rt. 96	S	DOT
4	County		Replace	Rt. 89	S	DOT
5	County		Replace	Rt 79	E	DOT
6	Municipal	Newfield	New	Bank St	SW	Town of Newfield
7	Municipal	Newfield	New	Main St	E	Town of Newfield
8	County		Replace	Rt. 13	NE	DOT
9	County		Replace	Rt. 34/96	N	DOT
10	County		Replace	Rt 96B	N	DOT
11	Municipal	Ithaca	Replace	Rt 89	S	DOT
12	Municipal	Ithaca	New	Rt 96	S	City of Ithaca
13	Municipal	Ithaca	Replace	Rt 13	N	City of Ithaca/DOT
14	Municipal	Ithaca	New	Rt 96B	N	DOT
15	Municipal	Ithaca	New	Rt 79	NW	DOT
16	Municipal	Brooktondale	Replace	Brooktondale Rd	E	Tompkins County
17	Municipal	Brooktondale	New	Valley Rd	W	Tompkins County
18	County		Replace	Rt 79	W	DOT
19	Municipal	Ithaca	New	Rt 13	W	DOT
20	Municipal	Freeville	Replace	Rt 366	N	DOT
21	Municipal	Freeville	New	Rt 38	S	DOT
22	Municipal	Freeville	Replace	Rt 38	N	DOT
23	Municipal	Dryden	Replace	Rt 13	E	DOT
24	Municipal	Dryden	Replace	Rt 13	SW	DOT
25	County		Replace	Rt 13	SW	DOT
26	Municipal	Groton	New	Rt 38	N	DOT
27	Municipal	Groton	New	Cortland Rd	W	DOT
28	County		Replace	Rt 34	S	DOT
29	County		Replace	Rt 34B	S	DOT
30	Municipal	Ithaca	New	Rt 34	S	DOT
31	Municipal	Ithaca	New	Triphammer Rd	S	Village of Lansing
32	Municipal	Ithaca	New	Brown Rd	W	Tompkins County

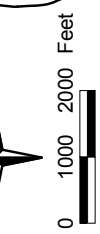
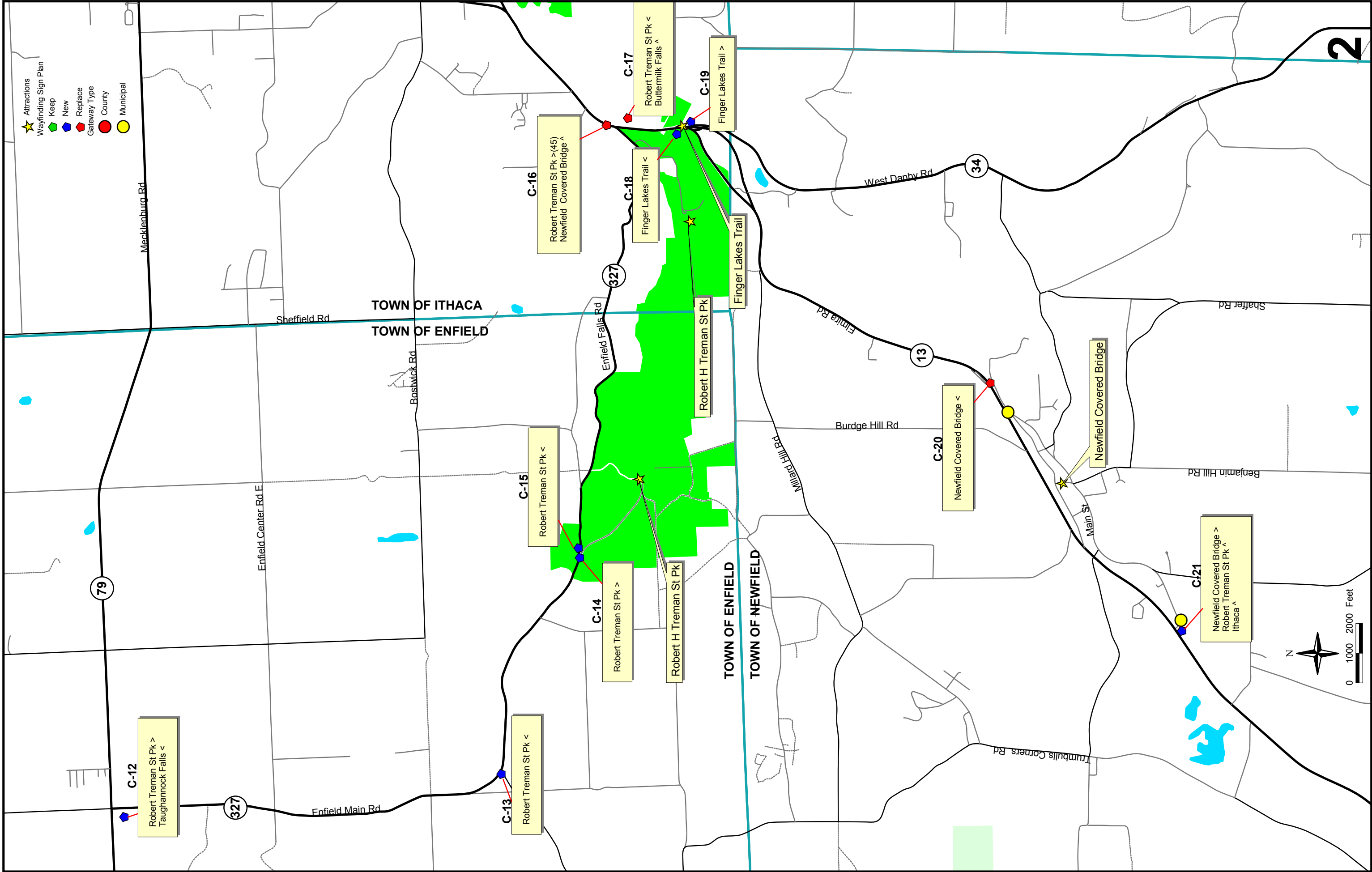


NOTE: Maps 1-14 show the destinations to be listed on each sign, although not necessarily in the correct order. Refer to the Proposed Wayfinding Signage Table and/or GIS database for the correct order of destination listings for each sign.

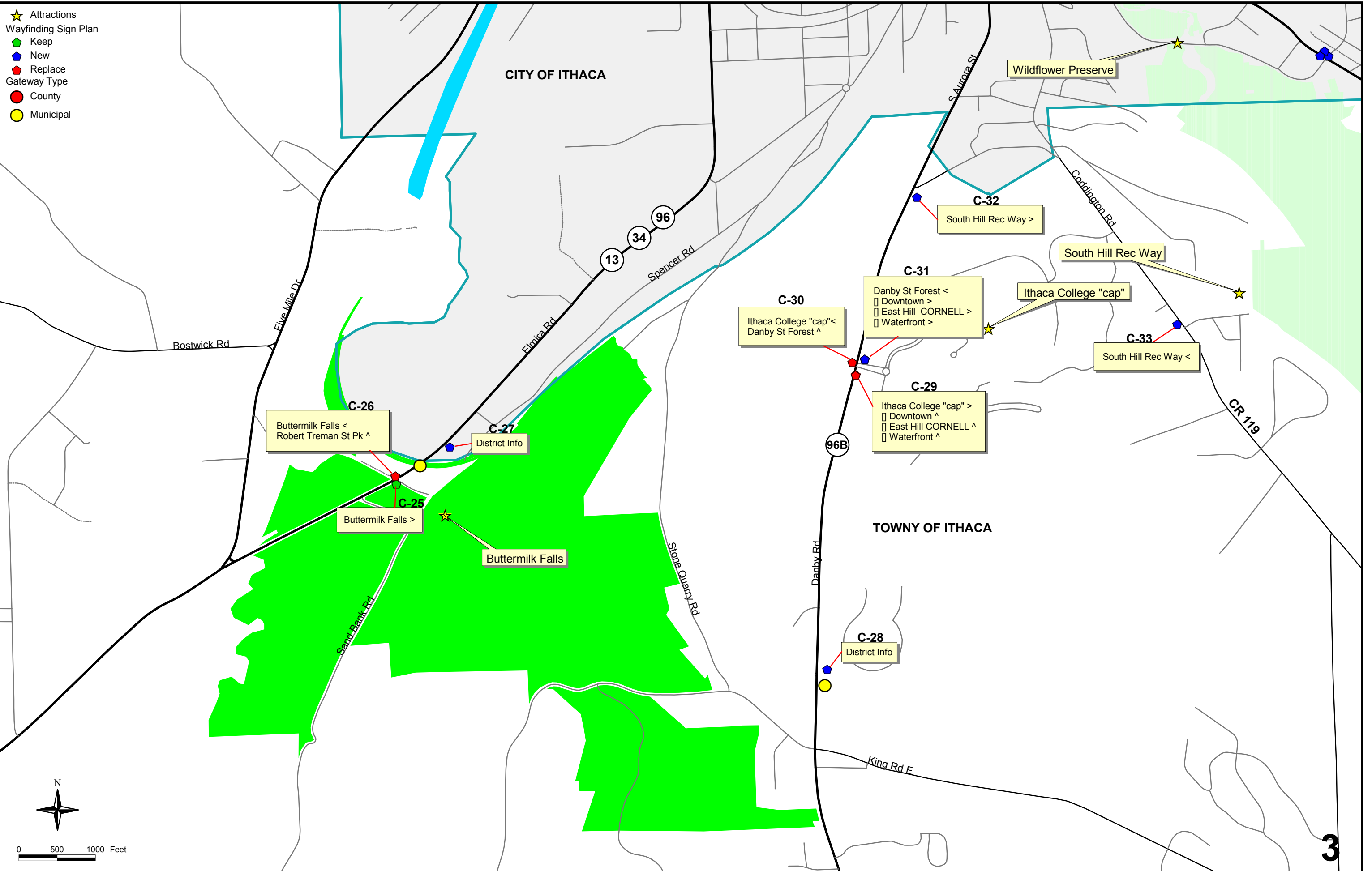
Detailed Signage Key Map

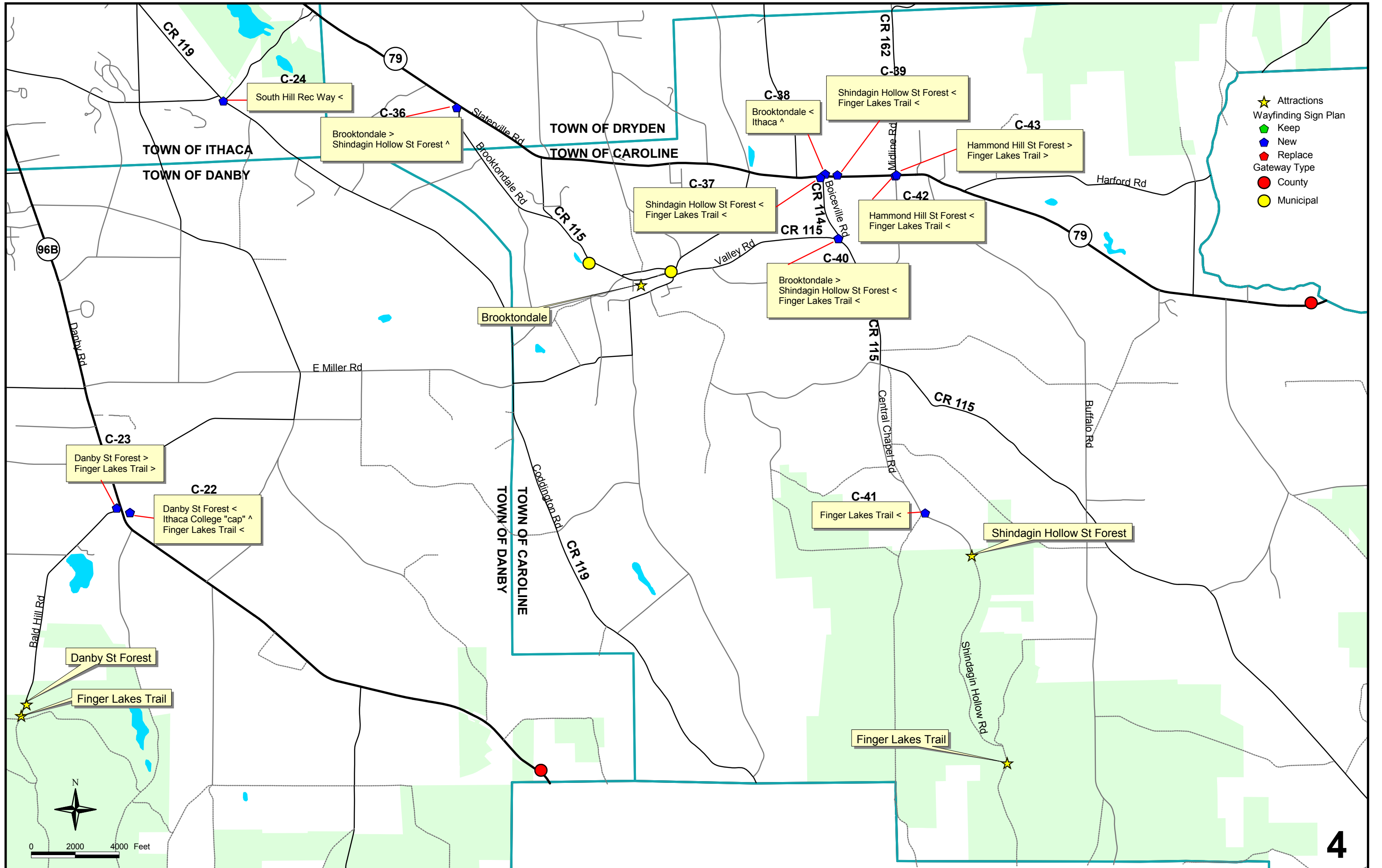
- ★ Attractions
- Wayfinding Sign Plan
- Keep
- New
- Replace
- Gateway Type
- County
- Municipal



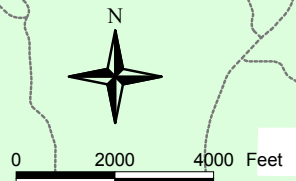


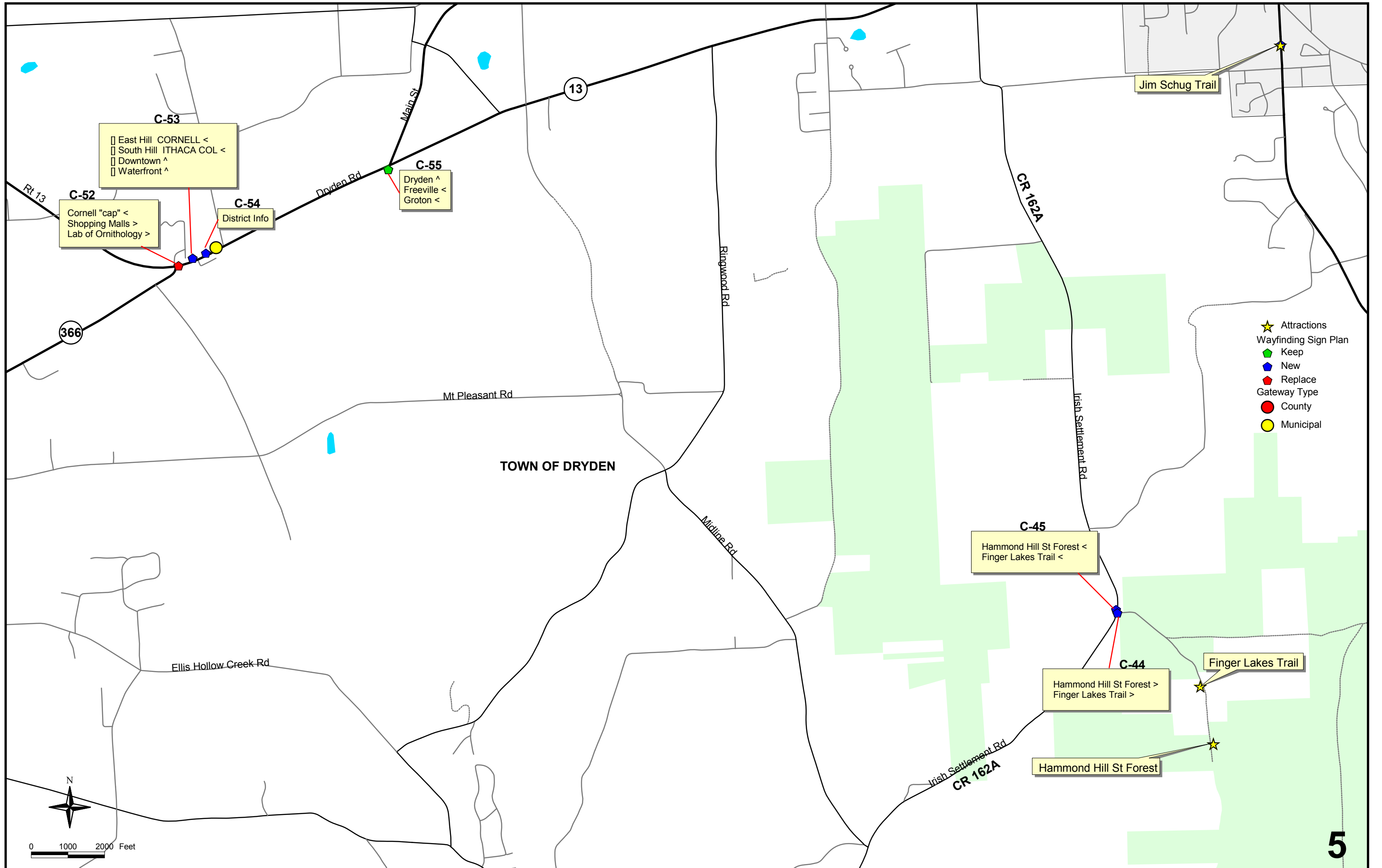
- ★ Attractions
- Wayfinding Sign Plan
- Keep
- New
- Replace
- Gateway Type
- County
- Municipal





- ★ Attractions
- ◆ Wayfinding Sign Plan
- ◆ Keep
- ◆ New
- ◆ Replace
- Gateway Type
- County
- Municipal





- ★ Attractions
- Wayfinding Sign Plan
- Keep
- New
- Replace
- Gateway Type
- County
- Municipal

TOWN OF GROTON
TOWN OF DRYDEN

C-65
Groton <
Freeville >
Dryden >

Freeville

C-64
Freeville <
Groton <

C-63
TC3 <

C-62
TC3 >

13

38

C-57
Hammond Hill St Forest <
Finger Lakes Trail <

C-60
Ithaca >
Jim Schug Trail ^

C-59
TC3 <
Jim Schug Trail >

C-58
Jim Schug Trail <>

C-56
Hammond Hill St Forest >
Finger Lakes Trail >

392

13

TC3 "cap"

C-61
Freeville >
Groton >

Dryden

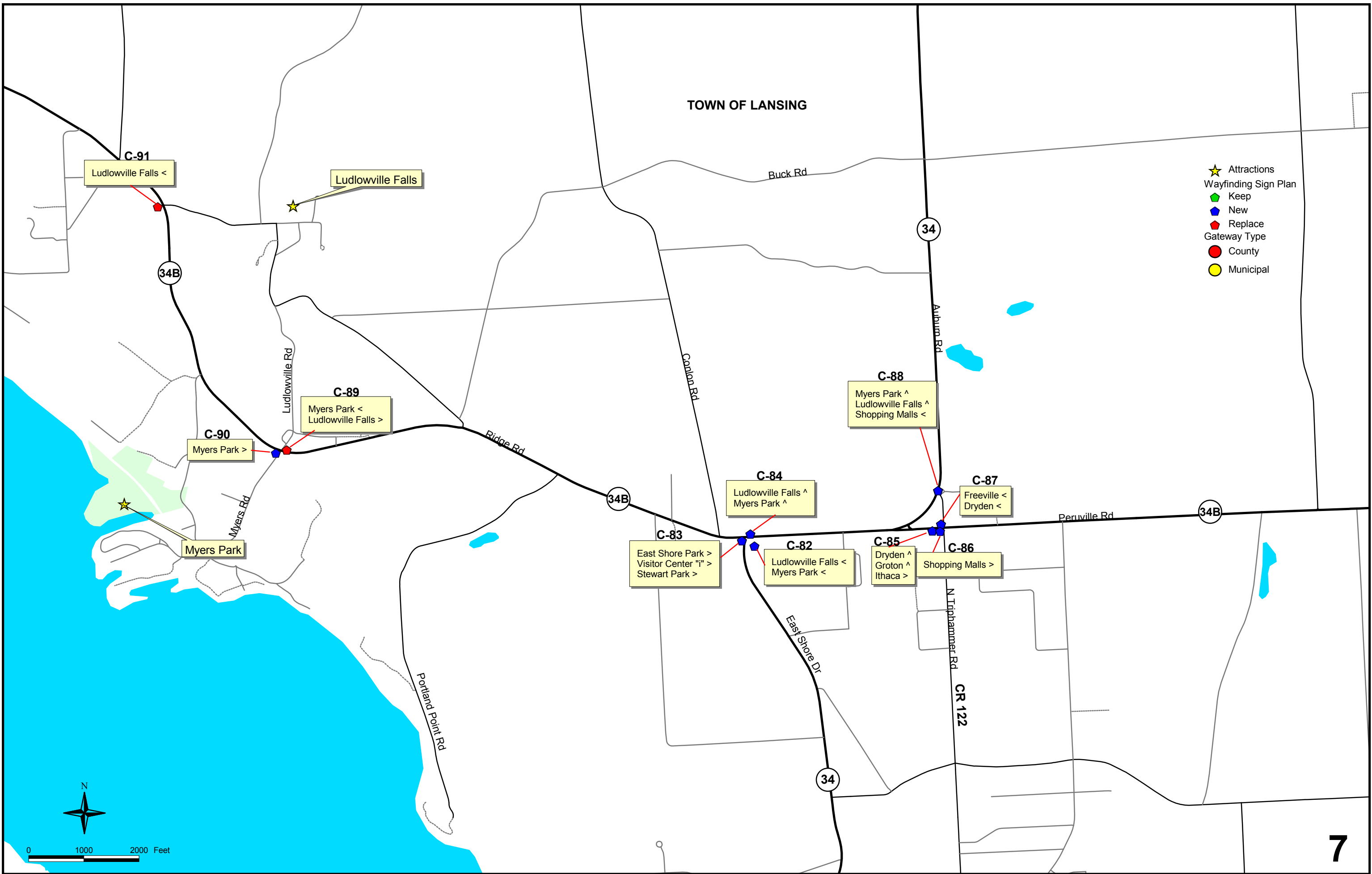
Jim Schug Trail



0 1000 2000 Feet

TOWN OF LANSING

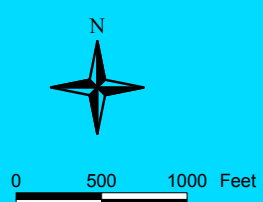
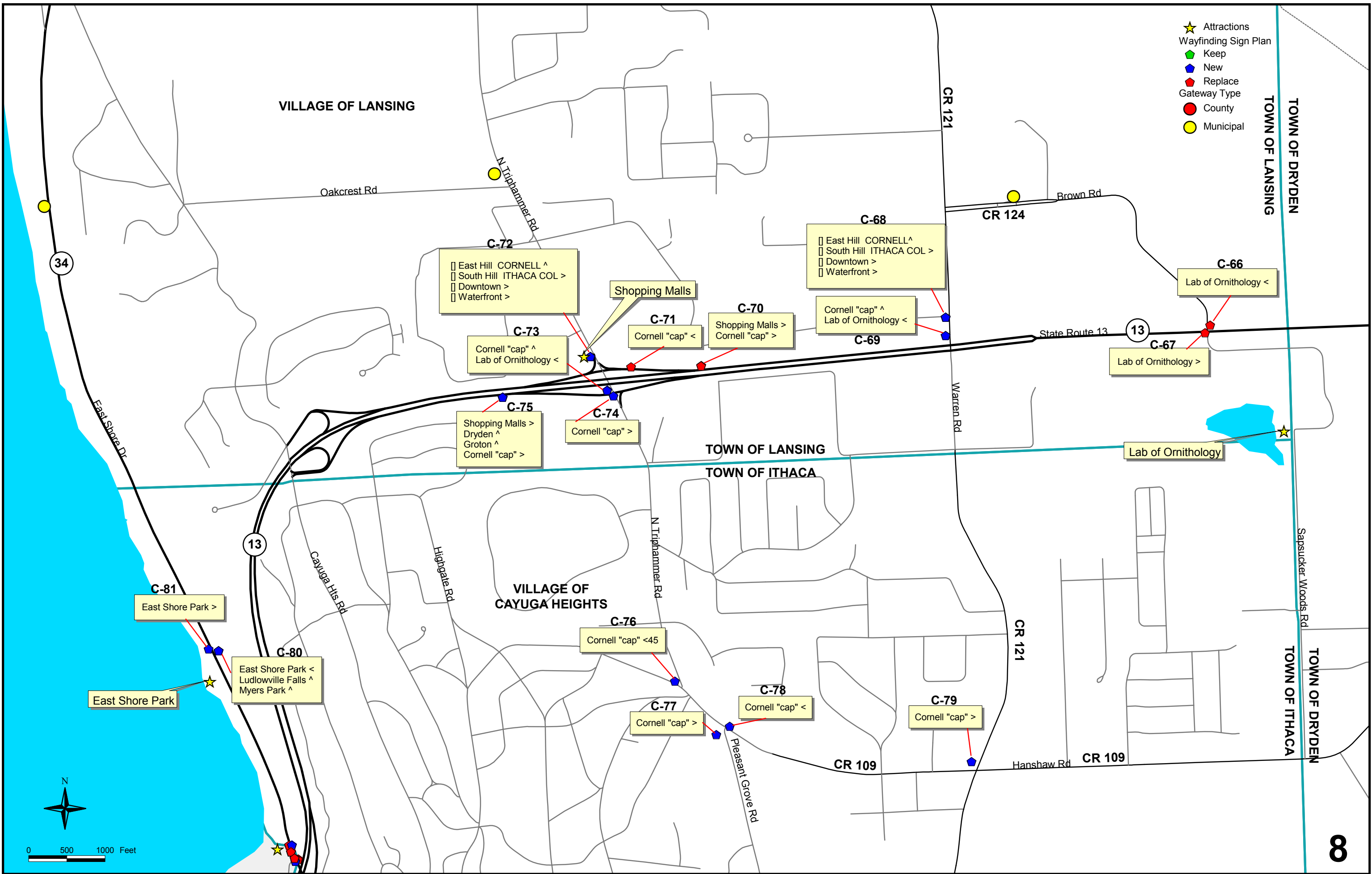
- ★ Attractions
- Wayfinding Sign Plan
- ◆ Keep
- ◆ New
- ◆ Replace
- Gateway Type
- County
- Municipal



- ★ Attractions
- Wayfinding Sign Plan
- ◆ Keep
- ◆ New
- ◆ Replace
- Gateway Type
- County
- Municipal

VILLAGE OF LANSING

TOWN OF DRYDEN
TOWN OF LANSING

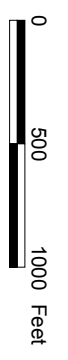


- ★ Attractions
- Wayfinding Sign Plan
- Keep
- New
- Replace
- Gateway Type
- County
- Municipal

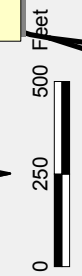
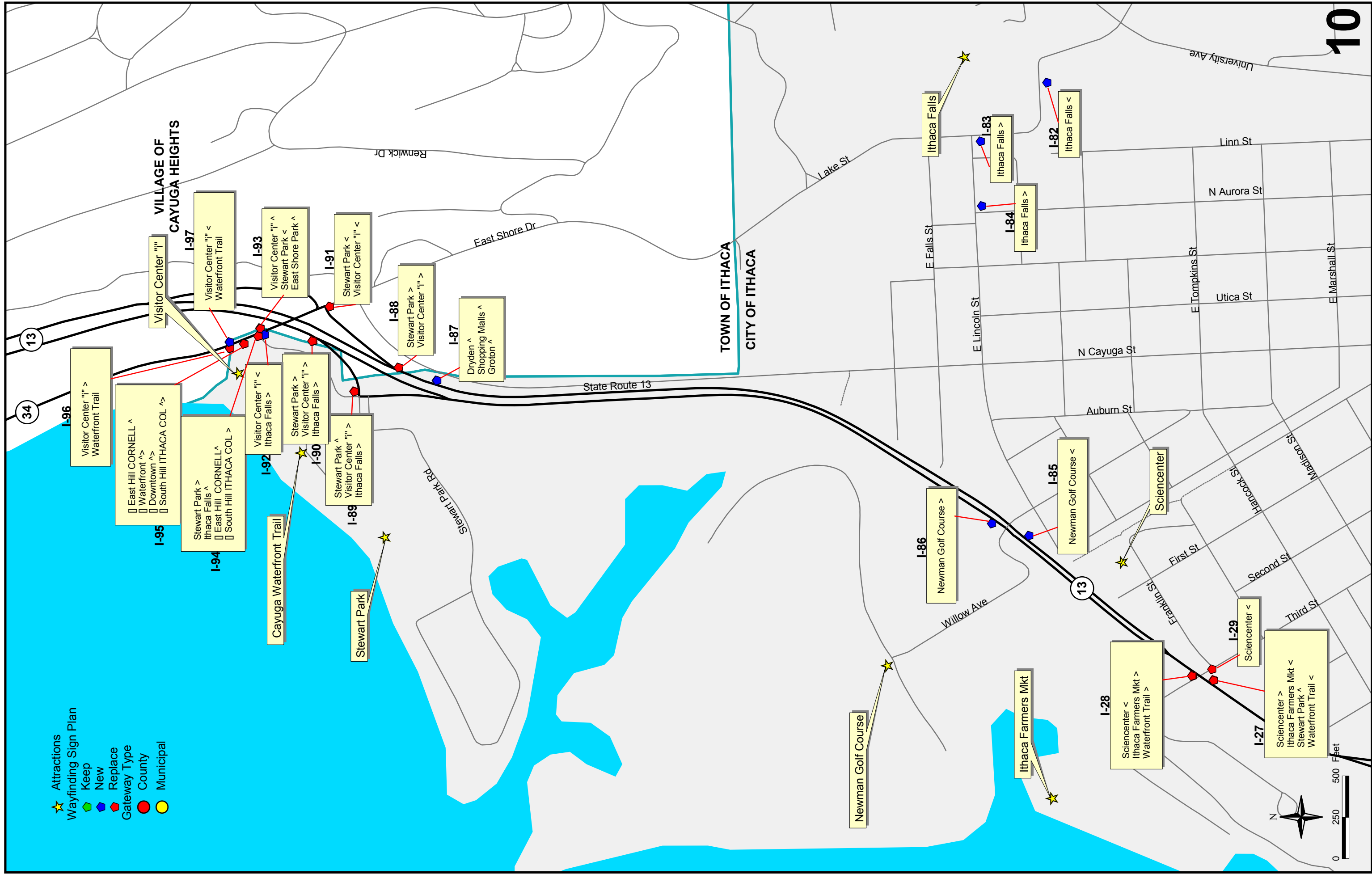


TOWN OF ITHACA

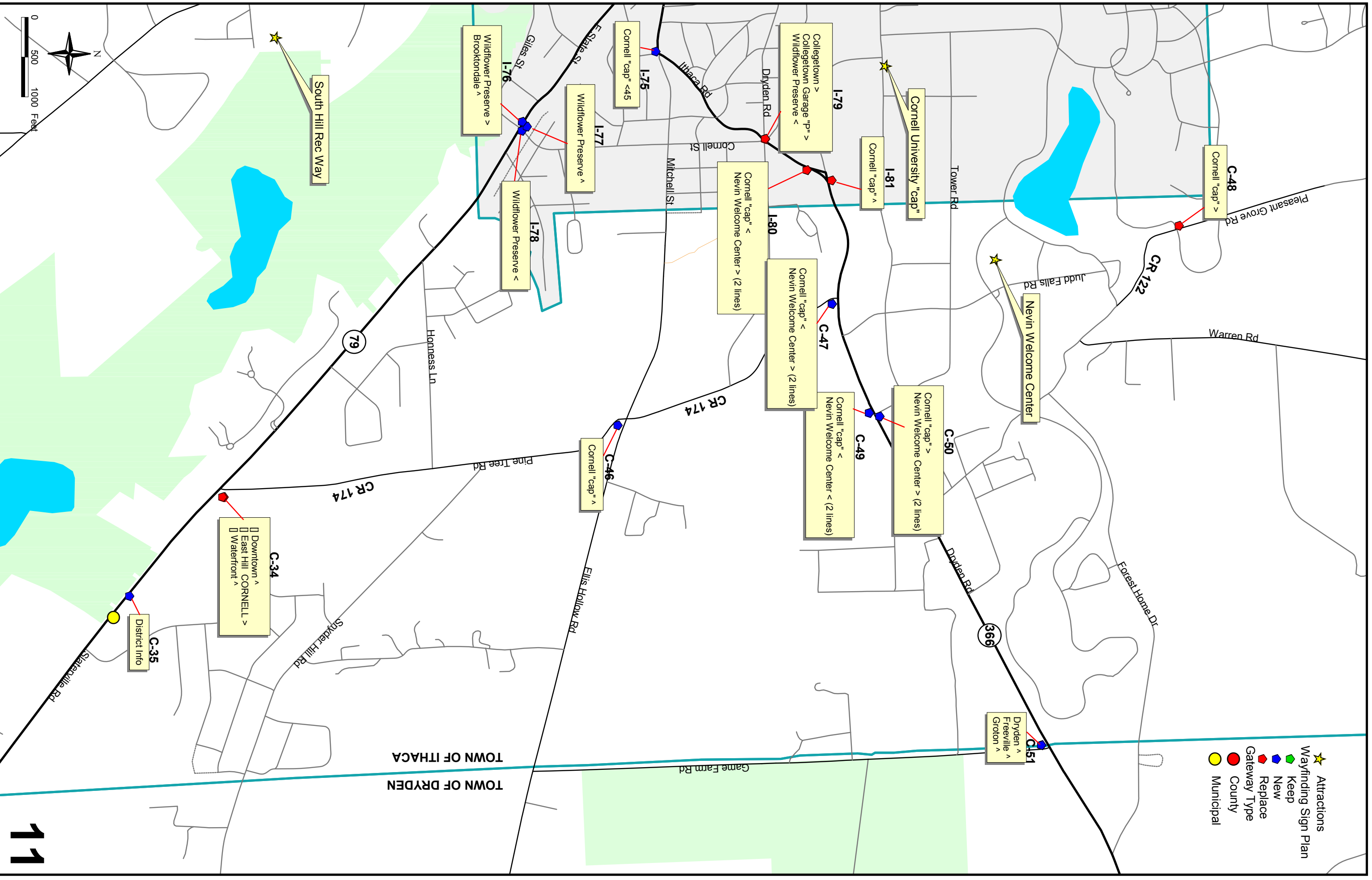
CITY OF ITHACA

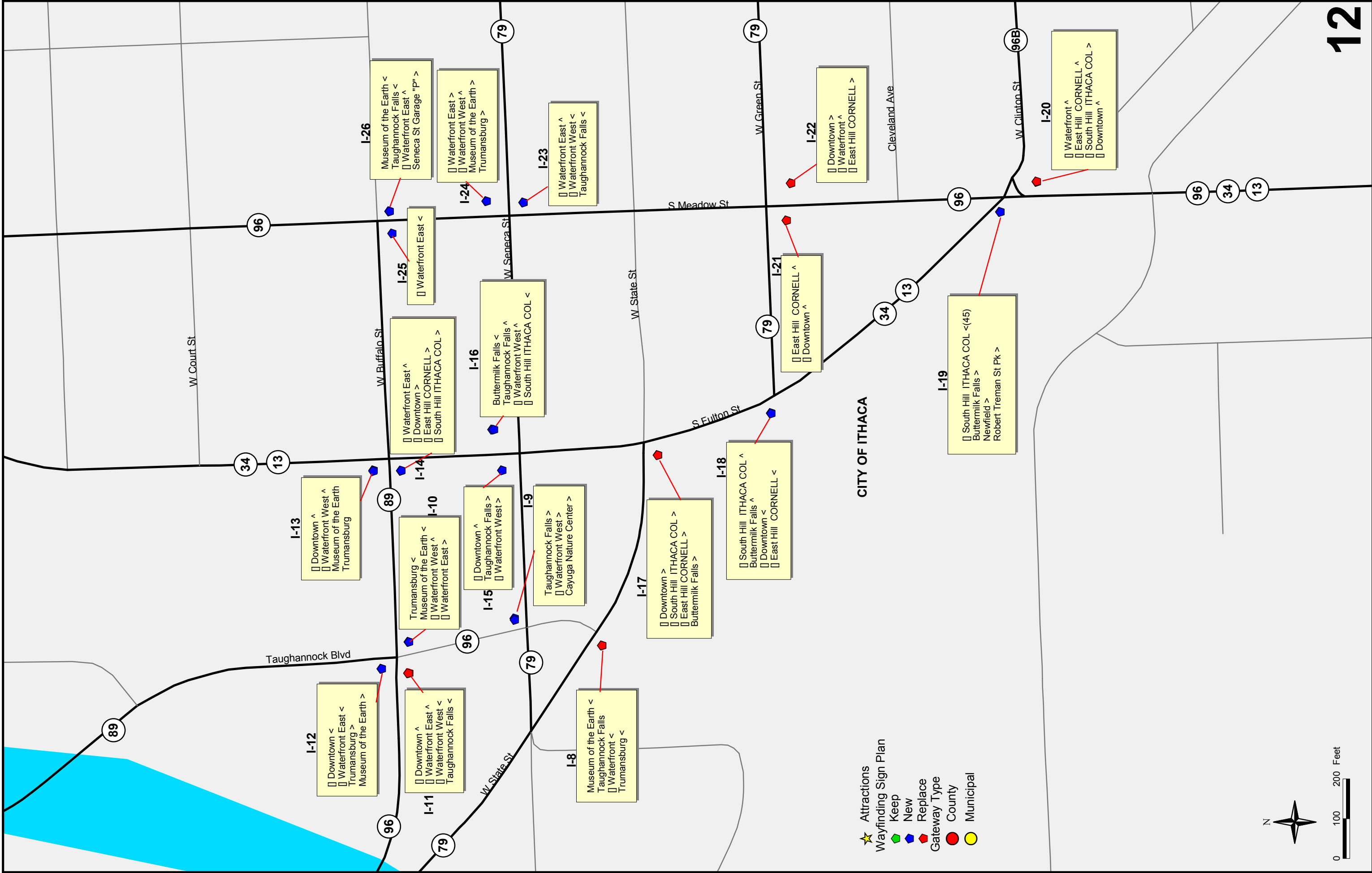


- ★ Attractions
- Wayfinding Sign Plan
- Keep
- New
- Replace
- Gateway Type
- County
- Municipal



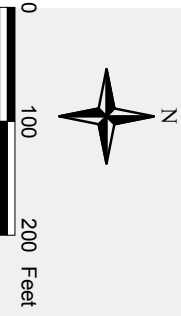
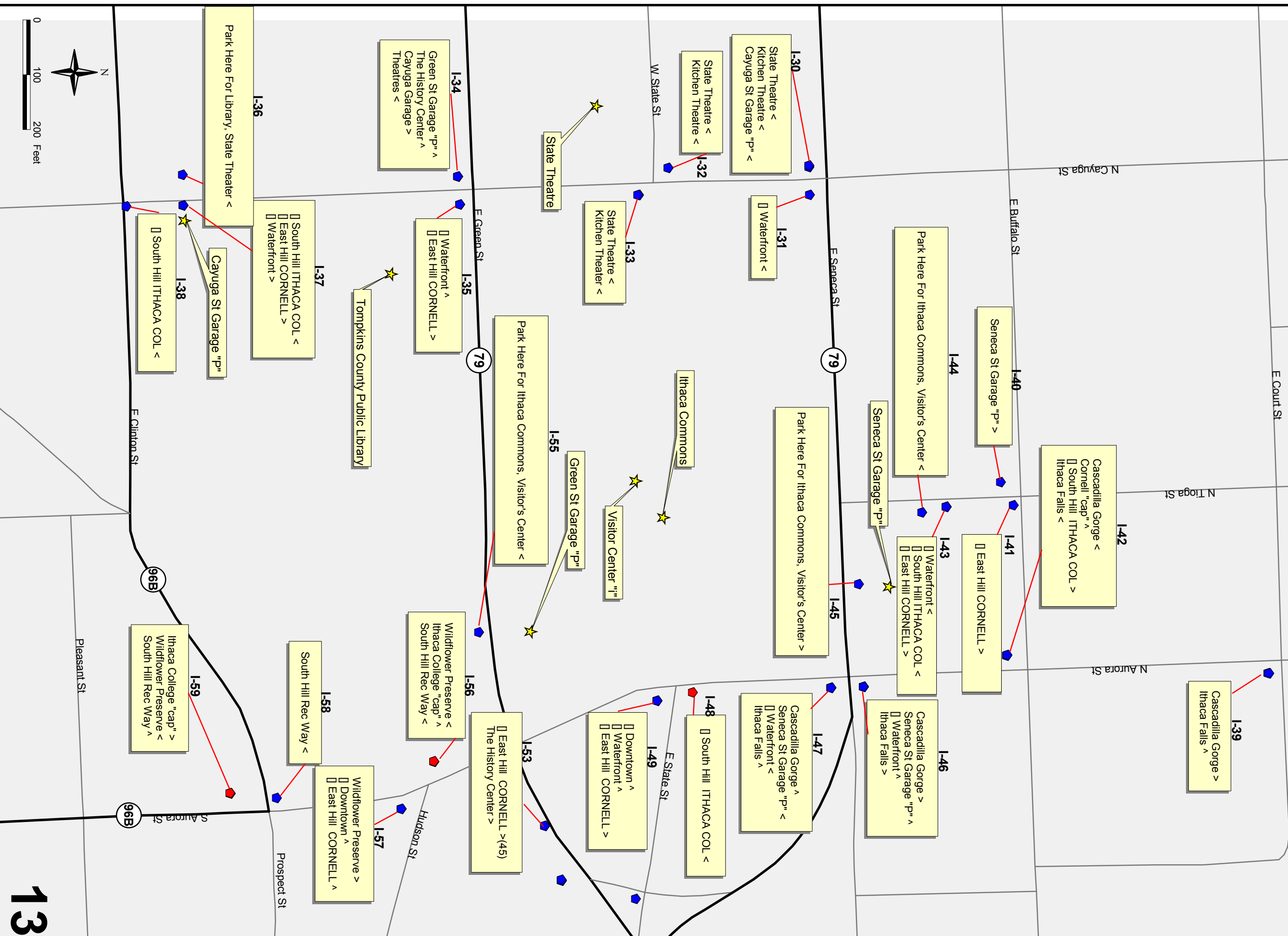
- ★ Attractions
- Wayfinding Sign Plan
- Keep
- New
- Replace
- Gateway Type
- County
- Municipal



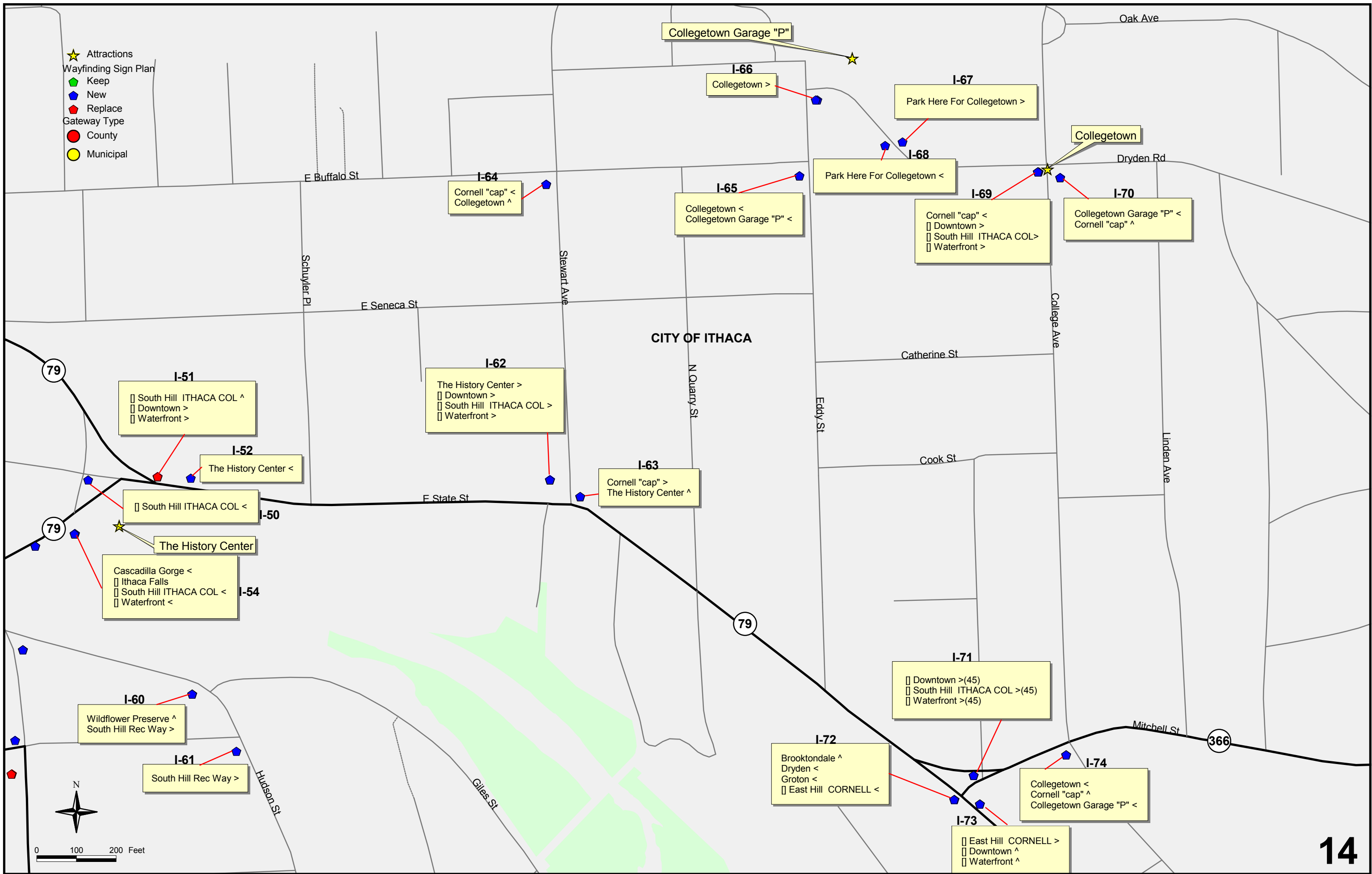


- ★ Attractions
- Wayfinding Sign Plan
- Keep
- New
- Replace
- Gateway Type
- County
- Municipal

CITY OF ITHACA



- ★ Attractions
- Wayfinding Sign Plan
- Keep
- New
- Replace
- Gateway Type
- County
- Municipal



Proposed Wayfinding Signage Table

LEGEND

- ^ Type D Arrow - straight
- < Type D Arrow - left
- > Type D Arrow - right
- <(45) or >(45)
Type D Arrow rotated 45°
- ^> Type C Advance Turn
Direction Arrow
- P Parking Symbol
- i Information Symbol
- Mortarboard Symbol

Sign ID	Route	Direction	Speed	Jurisdiction	Type	Status	Sign Name	Turning Onto	Milage	Post Type
C-1	89	south	40	DOT	DOT-B	Replace	Taughannock Falls Cayuga Nature Center ^	N/A 89	No No	DOT A
C-2	89	north	40	DOT	DOT-B	Replace	Taughannock Falls Cayuga Nature Center ^	N/A 96	No No	DOT A
C-3	96	south	55	DOT	DOT-B	Replace	Taughannock Falls i < Black Diamond Trail <	Taughannock Park Taughannock Park	No No	DOT A
C-4A	96	north	55	DOT	DOT-B	Replace	Black Diamond Trail > Taughannock Falls i >	Taughannock Park Taughannock Park	No No	DOT A
C-4B	96	north	55	DOT	DOT-G	New	Trumansburg ^	96	Yes	DOT A
C-5A	96	south	55	DOT	DOT-G	New	Ithaca ^	96	No	DOT A
C-5B	96	south	55	DOT	DOT-B	New	Museum of the Earth ^ Cayuga Nature Center <	96 Agard	Yes Yes	DOT A
C-6	Agard	east	25	Town of Ulyses	DOT-B	New	Cayuga Nature Center >	89	Yes	DOT A
C-7	89	south	45	DOT	DOT-B	Replace	Allan Treman Marina ^ Ithaca Children's Garden ^ Cayuga Nature Center >	89 89 Entrance	Yes Yes No	DOT A
C-8	89	north	45	DOT	DOT-B	Replace	Taughannock Falls ^ Cayuga Nature Center <	89 Entrance	Yes No	DOT A
C-9A	96	south	45	DOT	DOT-B	Keep	Museum of the Earth <	Entrance	No	DOT A
C-9B	96	south	45	DOT	DOT-G	New	Ithaca ^	96	Yes	DOT A
C-10A	96	north	45	DOT	DOT-B	Keep	Museum of the Earth >	Entrance	No	DOT A
C-10B	96	north	45	DOT	DOT-G	New	Trumansburg ^	96	Yes	DOT A
C-11	89	south	45	DOT	District Info	New	District Info	N/A	No	DOT B
C-12	Mecklenburg	east	50	DOT	DOT-B	New	Taughannock Falls < Robert Treman St Pk >	Halseyville Enfield Main	Yes Yes	DOT A
C-13	Enfield Main	south	55	DOT	DOT-B	New	Robert Treman St Pk <	Upper Enfield Falls	Yes	DOT A
C-14	Enfield Falls	east	55	DOT	DOT-B	New	Robert Treman St Pk >	Upper Park	No	DOT A
C-15	Enfield Falls	west	55	DOT	DOT-B	New	Robert Treman St Pk <	Upper Park	No	DOT A
C-16	13	south	50	DOT	DOT-B	Replace	Newfield Bridge ^ Robert Treman St Pk >(45)	13 Enfield Falls	No No	DOT A
C-17	13	north	50	DOT	DOT-B	Replace	Buttermilk Falls ^ Robert Treman St Pk <	13 Enfield Falls	No No	DOT A
C-18	13	south	50	DOT	DOT-B	New	Finger Lakes Trail <	Lot	No	DOT A
C-19	13	north	50	DOT	DOT-B	New	Finger Lakes Trail >	Lot	No	DOT A
C-20	13	south	50	DOT	DOT-B	Replace	Newfield Covered Bridge <	Main	No	DOT A
C-21A	13	north	55	DOT	DOT-G	New	Ithaca ^	13	Yes	DOT A
C-21B	13	north	55	DOT	DOT-B	Replace	Robert Treman St Pk ^ Newfield Covered Bridge >	13 Main	No No	DOT A
C-22	96B	north	45	DOT	DOT-B	New	Ithaca College ^ Danby St Forest < Finger Lakes Trail <	96B Bald Hill Bald Hill	Yes Yes No	DOT A
C-23	96B	south	45	DOT	DOT-B	New	Danby St Forest > Finger Lakes Trail >	Bald Hill Bald Hill	Yes No	DOT A
C-24	Coddington	south	45	County	South Hill	New	South Hill Rec Way <	Burns	No	DOT B
C-25	13	north	50	DOT	DOT-B	Keep	Buttermilk Falls >	Buttermilk Falls	No	DOT A
C-26	13	south	50	DOT	DOT-B	Replace	Robert Treman St Pk ^ Buttermilk Falls <	13 Buttermilk Falls	No No	DOT A
C-27	13	north	30	City of Ithaca/DOT	District Info	New	District Info	N/A	No	DOT B
C-28	Danby	north	50	DOT	District Info	New	District Info	N/A	No	DOT B
C-29	96B	north	40	DOT	South Hill	Replace	o Downtown ^ o East Hill CORNELL ^ o Waterfront ^ Ithaca College ^ >	96B 96B 96B Entrance	No No No No	DOT B
C-30	96B	south	40	DOT	South Hill	Replace	Danby St Forest ^ Ithaca College ^ <	96B Entrance	Yes No	DOT B
C-31	Farm	west	30	Town of Ithaca	South Hill	New	Danby St Forest < o Downtown > o East Hill CORNELL > o Waterfront >	Danby Danby Danby Danby	Yes No No No	DOT B
C-32	96B	north	40	DOT	South Hill	New	South Hill Rec Way >	Coddington	No	DOT B
C-33	Coddington	south	30	County	South Hill	New	South Hill Rec Way <	Juniper	No	DOT B
C-34	Slaterville	west	45	DOT	East Hill	Replace	o Downtown ^ o Waterfront ^ o East Hill CORNELL >	Slaterville Slaterville Pine Tree	No No No	DOT B
C-35	Slaterville	west	45	DOT	District Info	New	District Info	N/A	No	DOT B
C-36A	Slaterville	east	45	DOT	DOT-B	New	Shindagin Hollow St Forest ^	79	Yes	DOT A
C-36B	Slaterville	east	45	DOT	DOT-G	Keep	Brooktondale >	Brooktondale	Yes	DOT A
C-37	Slaterville	east	45	DOT	DOT-B	New	Shindagin Hollow St Forest < Finger Lakes Trail <	Boiceville Boiceville	Yes Yes	DOT A
C-38	Slaterville	west	45	DOT	DOT-G	New	Ithaca ^ Brooktondale <	79 Boiceville	Yes Yes	DOT A

Sign ID	Route	Direction	Speed	Jurisdiction	Type	Status	Sign Name	Turning Onto	Milage	Post Type
C-39	Slaterville	west	45	DOT	DOT-B	New	Shindagin Hollow St Forest < Finger Lakes Trail <	Boiceville Boiceville	Yes Yes	DOT A
C-40A	Boiceville	south	45	County	DOT-B	New	Shindagin Hollow St Forest < Finger Lakes Trail <	Central Chapel Central Chapel	Yes Yes	DOT A
C-40B	Boiceville	south	45	County	DOT-G	New	Brooktondale >	Valley	Yes	DOT A
C-41	Central Chapel	south	55	Town of Caroline	DOT-B	New	Finger Lakes Trail <	Shidagin Hollow	Yes	DOT A
C-42	Slaterville	east	45	DOT	DOT-B	New	Hammond Hill St Forest > Finger Lakes Trail >	Midline Midline	Yes Yes	DOT A
C-43	Slaterville	west	45	DOT	DOT-B	New	Hammond Hill St Forest > Finger Lakes Trail >	Midline Midline	Yes Yes	DOT A
C-44	Irish Settlement	north	55	Town of Dryden	DOT-B	New	Hammond Hill St Forest > Finger Lakes Trail >	Hammond Hill Hammond Hill	Yes Yes	DOT A
C-45	Irish Settlement	south	55	Town of Dryden	DOT-B	New	Hammond Hill St Forest < Hammond Hill St Forest <	Hammond Hill Hammond Hill	Yes Yes	DOT A
C-46	Pine Tree	north	35	County	East Hill	New	Cornell ^ Cornell <	Pine Tree Hoy	No No	DOT B
C-47	Pine Tree	north	35	County	East Hill	New	Nevin Welcome Center > (2 lines)	Dryden	No	DOT B
C-48	Pleasant Grove	south	30	County	Ithaca	Replace	Cornell ^ >	Credit Farm	No	DOT B
C-49	Dryden	east	45	DOT	East Hill	New	Cornell ^ < Nevin Welcome Center < (2 lines)	Tower Tower	No No	DOT B
C-50	Dryden	west	45	DOT	East Hill	New	Cornell ^ > Nevin Welcome Center > (2 lines)	Tower Tower	No No	DOT B
C-51	Dryden	east	45	DOT	East Hill	New	Dryden ^ Freeville ^ Groton ^	Dryden Dryden Dryden	Yes Yes Yes	DOT B
C-52	13	west	45	DOT	Ithaca	Replace	Cornell ^ < Lab of Ornithology >	Dryden 13	No Yes	DOT B
C-53	Dryden	west	45	DOT	Ithaca	New	o Downtown ^ o Waterfront ^ o East Hill CORNELL < o South Hill ITHACA COL <	13 13 Dryden Dryden	No No No No	DOT B
C-54	Dryden	west	45	DOT	District Info	New	District Info	N/A	No	DOT B
C-55	13	east	45	DOT	DOT-B	Keep	Dryden ^ Freeville < Groton <	13 Main Main	Yes Yes Yes	DOT A
C-56	Dryden	east	45	DOT	DOT-B	New	Hammond Hill St Forest > Finger Lakes Trail >	Irish Settlement Irish Settlement	Yes Yes	DOT A
C-57	Dryden	west	45	DOT	DOT-B	New	Hammond Hill St Forest < Finger Lakes Trail <	Irish Settlement Irish Settlement	Yes Yes	DOT A
C-58	South	south	30	DOT	Dryden	New	Jim Schug Trail <>	Lot	No	4" round
C-59	W Main	east	30	DOT	Dryden	Replace	TC3 ^ < Jim Schug Trail >	North South	No No	4" round
C-60	North	south	30	DOT	Dryden	New	Jim Schug Trail ^	South	No	4" round
C-61	13	south	45	DOT	Dryden	New	Ithaca > Freeville > Groton >	Main Freeville Freeville	No No No	DOT B
C-62	13	east	45	DOT	Dryden	New	TC3 ^ >	Bahar	No	DOT B
C-63	13	west	45	DOT	Dryden	New	TC3 ^ <	Bahar	No	DOT B
C-64	Freeville	north	35	DOT	DOT-G	New	Freeville < Groton <	Freeville Freeville	No Yes	DOT A
C-65	Peruville	east	35	DOT	DOT-G	New	Groton < Freeville > Dryden >	Peru Groton Groton	Yes Yes Yes	DOT A
C-66	13	east	55	DOT	Ithaca	Replace	Lab of Ornithology <	Sapsucker Woods	No	DOT B
C-67	13	west	55	DOT	Ithaca	Replace	Lab of Ornithology >	Sapsucker Woods	No	DOT B
C-68	Warren	south	30	County	Ithaca	New	o East Hill CORNELL ^ o South Hill ITHACA COL > o Downtown > o Waterfront >	Warren 13 13 13	No No No No	DOT B
C-69	Warren	south	30	County	Ithaca	New	Cornell ^ Lab of Ornithology <	Warren 13	No No	DOT B
C-70	13	west	55	DOT	Ithaca	Replace	Shopping Malls > Cornell ^ >	Triphammer exit Triphammer exit	No No	DOT B
C-71	Triphammer exit	west	30	DOT	Ithaca	New	Cornell ^ <	Triphammer	No	DOT B
C-72	Triphammer	south	30	Village of Langsing	Ithaca	New	o East Hill CORNELL ^ o South Hill ITHACA COL > o Downtown > o Waterfront >	Triphammer 13 13 13	No No No No	DOT B
C-73	Triphammer	south	30	Village of Langsing	Ithaca	New	Cornell ^ Lab of Ornithology <	Triphammer 13	No No	DOT B

Sign ID	Route	Direction	Speed	Jurisdiction	Type	Status	Sign Name	Turning Onto	Milage	Post Type
C-74	Triphammer exit	east	30	DOT	Ithaca	New	Cornell >	Triphammer	No	DOT B
C-75	13	east	55	DOT	Ithaca	New	Dryden ^	13	Yes	DOT B
							Groton ^	13	Yes	
							Shopping Malls >	Triphammer exit	No	
							Cornell >	Triphammer exit	No	
C-76	Triphammer	south	30	Cayuga Heights	Ithaca	New	Cornell <(45)	Hanshaw	No	DOT B
C-77	Hanshaw	east	30	Cayuga Heights	Ithaca	New	Cornell >	Pleasant Grove	No	DOT B
C-78	Hanshaw	west	30	Cayuga Heights	Ithaca	New	Cornell <	Pleasant Grove	No	DOT B
C-79	Warren	south	30	County	Ithaca	New	Cornell >	Hanshaw	No	DOT B
C-80	Shore	north	45	DOT	Waterfront	New	Ludlowville Falls ^	Shore	Yes	DOT B
							Myers Park ^	Shore	Yes	
							East Shore Park <	Entrance	No	
C-81	Shore	south	45	DOT	Waterfront	New	East Shore Park >	Entrance	No	DOT B
C-82	Shore	north	45	DOT	DOT-B	New	Myers Park <	Ridge	Yes	DOT A
							Ludlowville Falls <	Ridge	Yes	
C-83	Ridge	east	30	DOT	DOT-B	New	East Shore Park >	Shore	Yes	DOT A
							Visitor Center i >	Shore	Yes	
							Stewart Park >	Shore	Yes	
C-84	Peruville	west	45	DOT	DOT-B	New	Myers Park ^	34B	Yes	DOT A
							Ludlowville Falls ^	34B	Yes	
C-85	Peruville	west	10	DOT	DOT-G	New	Groton ^	Peruville	Yes	DOT A
							Dryden ^	Peruville	Yes	
							Ithaca >	Triphammer	Yes	
C-86	Peruville	west	10	DOT	DOT-B	New	Shopping Malls >	Triphammer	Yes	DOT A
C-87	Triphammer	south	20	DOT	DOT-G	New	Groton <	Peruville	Yes	DOT A
							Freeville <	Peruville	Yes	
							Dryden <	Peruville	Yes	
C-88	Auburn	south	55	DOT	DOT-B	New	Myers Park ^	Auburn	Yes	DOT A
							Ludlowville Falls ^	Auburn	Yes	
							Shopping Malls <	Triphammer	Yes	
C-89	34B	north	35	DOT	DOT-B	Replace	Myers Park <	Meyers	No	DOT A
C-90	34B	south	55	DOT	DOT-B	New	Ludlowville Falls >	Ludlowville	No	DOT A
C-91	34B	south	55	DOT	DOT-B	Replace	Myers Park >	Meyers	No	DOT A
I-1	89	south	30	City of Ithaca	Waterfront	Replace	Hangar Theatre <	Entrance	No	DOT B
							Allan Treman Marina <	Entrance	No	
I-2	89	north	30	City of Ithaca	Waterfront	Replace	Cayuga Nature Center ^	89	No	DOT B
							Hangar Theatre >	Entrance	No	
							Allan Treman Marina >	Entrance	No	
I-3	89	south	30	City of Ithaca	Waterfront	New	Cass Park <	Entrance	No	DOT B
							Waterfront Trail <	Entrance	No	
I-4	89	north	30	City of Ithaca	Waterfront	New	Cass Park >	Entrance	No	DOT B
							Waterfront Trail >	Entrance	No	
I-5	89	south	30	City of Ithaca	Waterfront	Replace	Ithaca Children's Garden > (2 lines)	Entrance	No	DOT B
							Black Diamond Trail >	Entrance	No	
I-6	89	north	30	City of Ithaca	Waterfront	New	Ithaca Children's Garden < (2 lines)	Entrance	No	DOT B
							Black Diamond Trail <	Entrance	No	
I-7	Buffalo	east	30	City of Ithaca	District Info	New	District Info	N/A	No	DOT B
I-8	State	east	30	City of Ithaca	Ithaca	Replace	o Waterfront <	Taughannock	No	DOT B
							Museum of the Earth <	Taughannock	Yes	
							Taughannock Falls <	Taughannock	Yes	
							Trumansburg <	Taughannock	Yes	
I-9	Seneca	west	30	City of Ithaca	Waterfront	New	o Waterfront West >	Taughannock	No	DOT B
							Cayuga Nature Center >	Taughannock	Yes	
							Taughannock Falls >	Taughannock	Yes	
I-10	Taughannock	north	30	City of Ithaca	Waterfront	New	o Waterfront West ^	Taughannock	No	DOT B
							Museum of the Earth <	W Buffalo	Yes	
							Trumansburg <	W Buffalo	Yes	
I-11	Buffalo	east	30	City of Ithaca	Ithaca	Replace	o Waterfront East >	W Buffalo	No	DOT B
							o Downtown ^	Buffalo	No	
							o Waterfront East ^	Buffalo	No	
							o Waterfront West <	Taughannock	No	
I-12	State	east	30	City of Ithaca	Ithaca	New	Taughannock Falls <	Taughannock	Yes	DOT B
							o Downtown ^	Buffalo	No	
							o Waterfront East ^	Buffalo	No	
							Museum of the Earth >	Buffalo	Yes	
							Trumansburg >	Buffalo	Yes	

Proposed Wayfinding Signage Table

Sign ID	Route	Direction	Speed	Jurisdiction	Type	Status	Sign Name	Turning Onto	Milage	Post Type
I-13	Fulton	south	30	City of Ithaca/DOT	Downtown	New	o Downtown ^	Fulton	No	DOT B
							o Waterfront West <	Fulton	No	
							Museum of the Earth >	Buffalo	Yes	
							Trumansburg >	Buffalo	Yes	
I-14	Buffalo	east	30	City of Ithaca	Ithaca	New	o Waterfront East ^	Buffalo	No	4" round
							o Downtown >	Fulton	No	
							o East Hill CORNELL >	Fulton	No	
							o South Hill ITHACA COL >	Fulton	No	
I-15	Fulton	south	30	City of Ithaca/DOT	Downtown	New	o Downtown ^	Fulton	No	4" round
							o Waterfront West >	Seneca	No	
							Taughannock Falls >	Seneca	Yes	
I-16	Seneca	west	30	City of Ithaca	Downtown	New	o Waterfront West ^	Seneca	No	4" round
							Taughannock Falls ^	Seneca	Yes	
							Buttermilk Falls St Pk <	Fulton	Yes	
							Robert Treman St Pk <	Fulton	Yes	
I-17	State	east	30	DOT	Downtown	Replace	o Downtown >	Fulton	No	4" round
							o East Hill CORNELL >	Fulton	No	
							o South Hill ITHACA COL >	Fulton	No	
							Buttermilk Falls >	Fulton	Yes	
I-18	Fulton	south	30	City of Ithaca/DOT	Downtown	New	o South Hill ITHACA COL ^	Fulton	No	4" round
							Buttermilk Falls ^	Fulton	Yes	
							o Downtown <	W Green	No	
							o East Hill CORNELL <	W Green	No	
I-19	Fulton	south	30	City of Ithaca/DOT	Ithaca	New	o South Hill ITHACA COL <(45)	Clinton	No	4" round
							Buttermilk Falls >	13	Yes	
							Robert Treman St Pk >	13	Yes	
							Newfield >(45)	13	Yes	
I-20	13	north	30	City of Ithaca/DOT	Ithaca	Replace	o Downtown ^	Meadow	No	DOT B
							o Waterfront ^	Meadow	No	
							o East Hill CORNELL ^	Meadow	No	
							o South Hill ITHACA COL >	Clinton	No	
I-21	Green	east	30	City of Ithaca	Downtown	Replace	o Downtown ^	Green	No	4" round
							o East Hill CORNELL ^	Green	No	
I-22	Meadow	north	30	City of Ithaca/DOT	Downtown	Replace	o Waterfront ^	Meadow	No	4" round
							o Downtown >	Green	No	
							o East Hill CORNELL >	Green	No	
I-23	Meadow	north	30	City of Ithaca/DOT	Downtown	New	o Waterfront East ^	Meadow	No	4" round
							o Waterfront West <	Seneca	No	
							Taughannock Falls <	Seneca	Yes	
I-24	Seneca	west	30	City of Ithaca	Downtown	New	o Waterfront West ^	Seneca	No	4" round
							o Waterfront East >	N Meadow	No	
							Museum of the Earth >	N Meadow	Yes	
							Trumansburg >	N Meadow	Yes	
I-25	Buffalo	east	30	City of Ithaca	Downtown	New	o Waterfront East <	Meadow	No	4" round
I-26	Meadow	north	30	City of Ithaca/DOT	Downtown	New	o Waterfront East ^	Meadow	No	4" round
							Museum of the Earth <	Buffalo	Yes	
							Trumansburg <	Buffalo	Yes	
							Seneca St Garage P >	Buffalo	No	
I-27	13	north	40	City of Ithaca/DOT	Waterfront	Replace	Stewart Park ^	13	Yes	DOT B
							Ithaca Farmers Mkt <W	3rd	No	
							Waterfront Trail <	3rd	No	
							Sciencenter >	3rd	No	
I-28	13	south	40	City of Ithaca/DOT	Waterfront	Replace	Sciencenter <	3rd	No	DOT B
							Ithaca Farmers Mkt >	3rd	No	
							Waterfront Trail >	3rd	No	
I-29	3rd	east	40	City of Ithaca	Waterfront	Replace	Sciencenter <	Franklin	No	DOT B
I-30	Seneca	west	30	City of Ithaca	Downtown	New	State Theatre <	Cayuga	No	4" round
							Kitchen Theatre <	Cayuga	No	
							Cayuga St Garage P <	Cayuga	No	
I-31	Cayuga	north	30	City of Ithaca	Downtown	New	o Waterfront <	Seneca	No	4" round
I-32	Cayuga	south	30	City of Ithaca	Downtown	New	State Theatre >	State	No	4" round
							Kitchen Theatre >	State	No	
I-33	Cayuga	north	30	City of Ithaca	Downtown	New	State Theatre <	State	No	4" round
							Kitchen Theatre <	State	No	
I-34	Green	east	30	City of Ithaca	Downtown	New	Green St Garage P ^	Green	No	4" round
							The History Center ^	Green	No	
							Theatres <		No	
							Cayuga St Garage P >	Cayuga	No	
I-35	Cayuga	north	30	City of Ithaca	Downtown	New	o East Hill CORNELL >	Green	No	4" round
							o Waterfront ^	Cayuga	No	

Proposed Wayfinding Signage Table

Sign ID	Route	Direction	Speed	Jurisdiction	Type	Status	Sign Name	Turning Onto	Milage	Post Type
I-36	Cayuga	south	30	City of Ithaca	Parking	New	Park Here For Library, State Theater <	Lot	No	4" round
I-37	Lot	west	5	City of Ithaca	Downtown	New	o South Hill ITHACA COL <	Cayuga	No	4" round
							o East Hill CORNELL >	Cayuga	No	
							o Waterfront >	Cayuga	No	
I-38	Cayuga	south	30	City of Ithaca	Downtown	New	o South Hill ITHACA COL <	Clinton	No	4" round
I-39	N Aurora	north	30	City of Ithaca	Downtown	New	Ithaca Falls ^ Cascadilla Gorge >	N Aurora Court	No No	DOT B
I-40	Buffalo	east	30	City of Ithaca	Downtown	New	Seneca St Garage P >	Tioga	No	4" round
I-41	Tioga	north	30	City of Ithaca	Downtown	New	o East Hill CORNELL >	Buffalo	No	4" round
I-42	Buffalo	east	30	City of Ithaca	East Hill	New	Cornell ^	Buffalo	No	4" round
							Cascadilla Gorge <	Aurora	No	
							Ithaca Falls <	Aurora	No	
							o South Hill ITHACA COL >	Aurora	No	
I-43	Lot	west	5	City of Ithaca	Downtown	New	o Waterfront <	Tioga	No	4" round
							o South Hill ITHACA COL <	Tioga	No	
							o East Hill CORNELL >	Tioga	No	
I-44	Tioga	north	30	City of Ithaca	Parking	New	Park Here For Ithaca Commons, Visitor Center i <	Lot	No	4" round
I-45	Seneca	west	30	City of Ithaca	Parking	New	Park Here For Ithaca Commons, Visitor Center i >	Lot	No	4" round
I-46	Seneca	west	30	City of Ithaca	Downtown	New	Seneca St Garage P ^	Seneca	No	4" round
							o Waterfront ^	Seneca	No	
							Cascadilla Gorge >	N Aurora	No	
I-47	Aurora	north	30	City of Ithaca	Downtown	New	Cascadilla Gorge ^	Aurora	No	4" round
							Ithaca Falls ^	Aurora	No	
							Seneca St Garage P <	Seneca	No	
							o Waterfront <	Seneca	No	
I-48	State	west	30	City of Ithaca	Downtown	Replace	o South Hill ITHACA COL <	Aurora	No	4" round
I-49	Aurora	north	30	City of Ithaca	Downtown	New	o Downtown ^	Aurora	No	4" round
							o Waterfront ^	Aurora	No	
							o East Hill CORNELL >	State	No	
I-50	Seneca Way	north	30	City of Ithaca	Downtown	New	o South Hill ITHACA COL <	State	No	DOT B
							o South Hill ITHACA COL ^	State	No	
							o Downtown >	Seneca	No	
I-51	E State	west	30	City of Ithaca	Downtown	Replace	o Waterfront >	Seneca	No	4" round
							o Downtown >	Seneca	No	
							o Waterfront >	Seneca	No	
I-52	E State	west	30	City of Ithaca	East Hill	New	The History Center <	Entrance	No	4" round
I-53	Green	east	30	City of Ithaca	Downtown	New	The History Center >	Entrance	No	DOT B
							o East Hill CORNELL >(45)	State	No	
							o South Hill ITHACA COL <	Seneca Way	No	
I-54	Green	east	30	City of Ithaca	Downtown	New	o Waterfront <	Seneca Way	No	DOT B
							Cascadilla Gorge <	Seneca Way	No	
							Ithaca Falls <	Seneca Way	No	
							o Waterfront <	Seneca Way	No	
I-55	Green	east	30	City of Ithaca	Parking	New	Park Here For Ithaca Commons, Visitor Center i <	Lot	No	4" round
I-56	Aurora	south	30	City of Ithaca	South Hill	Replace	Ithaca College ^	Aurora	No	DOT B
							Wildflower Preserve <	Hudson	No	
							South Hill Rec Way <	Hudson	No	
I-57	Aurora	east	30	City of Ithaca	South Hill	New	o Downtown ^	Aurora	No	DOT B
							o East Hill CORNELL ^	Aurora	No	
							Wildflower Preserve >	Hudson	No	
I-58	Aurora	south	30	City of Ithaca	South Hill	New	South Hill Rec Way <	Prospect	No	DOT B
I-59	Prospect	east	30	City of Ithaca	South Hill	Replace	South Hill Rec Way ^	Prospect	No	DOT B
							Wildflower Preserve <	Aurora	No	
							Ithaca College ^	Aurora	No	
I-60	Hudson	east	30	City of Ithaca	South Hill	New	Wildflower Preserve ^ South Hill Rec Way >	Giles Hudson	No Yes	DOT B
I-61	Prospect	east	30	City of Ithaca	South Hill	New	South Hill Rec Way >	Hudson	Yes	DOT B
I-62	Stewart	south	30	City of Ithaca	East Hill	New	The History Center >	E State	No	DOT B
							o Downtown >	E State	No	
							o South Hill ITHACA COL >	E State	No	
							o Waterfront >	E State	No	
I-63	E State	west	30	City of Ithaca	East Hill	New	The History Center ^ Cornell ^	E State Stewart	No No	DOT B
							o Downtown >	E State	No	
I-64	Buffalo	east	30	City of Ithaca	East Hill	New	Collegetown ^ Cornell ^	Buffalo Stewart	No No	DOT B
I-65	Buffalo	east	30	City of Ithaca	East Hill	New	Collegetown Garage P <	Eddy	No	DOT B
							Collegetown <	Eddy	No	
I-66	Eddy	north	30	City of Ithaca	East Hill	New	Collegetown Garage P >	Dryden	No	4" round
							Collegetown >	Dryden	No	

Sign ID	Route	Direction	Speed	Jurisdiction	Type	Status	Sign Name	Turning Onto	Milage	Post Type
I-67	Dryden	west	30	City of Ithaca	Parking	New	Park Here For Collegetown >	Lot	No	4" round
I-68	Dryden	east	30	City of Ithaca	Parking	New	Park Here For Collegetown <	Lot	No	4" round
I-69	Dryden	east	30	City of Ithaca	East Hill	New	Cornell ^	College	No	4" round
							o Downtown >	College	No	
							o South Hill ITHACA COL >	College	No	
							o Waterfront >	College	No	
I-70	College	north	30	City of Ithaca	East Hill	New	Cornell ^	College	No	4" round
							Collegetown Garage P <	Dryden	No	
							o Downtown >(45)	E State	No	
I-71	Mitchell	west	30	City of Ithaca	East Hill	New	o South Hill ITHACA COL >(45)	E State	No	DOT B
							o Waterfront >(45)	E State	No	
							o Waterfront >(45)	E State	No	
I-72	State	east	30	City of Ithaca	East Hill	New	Brooktondale ^	State	Yes	DOT B
							o East Hill CORNELL <	Mitchell	No	
							Dryden <	Mitchell	Yes	
							Groton <	Mitchell	Yes	
I-73	E State	west	30	City of Ithaca	East Hill	New	o Downtown ^	E State	No	DOT B
							o Waterfront ^	E State	No	
							o East Hill CORNELL >	Mitchell	No	
I-74	Mitchell	east	30	City of Ithaca	East Hill	New	Cornell ^	College	No	DOT B
							Collegetown <	College	No	
							Collegetown Garage P <	College	No	
I-75	Mitchell	east	30	City of Ithaca	East Hill	New	Cornell ^ <45	Ithaca	No	DOT B
I-76	E State	east	30	City of Ithaca	East Hill	New	Brooktondale ^	E State	No	DOT B
							Wildflower Preserve >	Giles	No	
I-77	Cornell	south	30	City of Ithaca	East Hill	New	Wildflower Preserve ^	Giles	No	DOT B
I-78	E State	west	30	City of Ithaca	East Hill	New	Wildflower Preserve <	Giles	No	DOT B
I-79	Dryden	west	30	City of Ithaca	East Hill	Replace	Wildflower Preserve <	Cornell	No	DOT B
							Collegetown >	Dryden	No	
							Collegetown Garage P >	Dryden	No	
I-80	Dryden	north	30	City of Ithaca	East Hill	Replace	Cornell ^	Hoy	No	DOT B
							Nevin Welcome Center > (2 lines)	Dryden	No	
							o Waterfront >	Dryden	No	
I-81	Dryden	west	30	City of Ithaca	East Hill	Replace	Cornell ^	Hoy	No	DOT B
I-82	Lake	east	30	City of Ithaca	East Hill	New	Ithaca Falls <	Entrance	No	DOT B
I-83	Lincoln	east	30	City of Ithaca	East Hill	New	Ithaca Falls >	Lake	No	DOT B
I-84	N Aurora	north	30	City of Ithaca	East Hill	New	Ithaca Falls >	Lincoln	No	DOT B
I-85	13	north	40	City of Ithaca/DOT	Waterfront	New	Newman Golf Course <	Willow	No	DOT B
I-86	13	south	40	City of Ithaca/DOT	Waterfront	New	Newman Golf Course >	Willow	No	DOT B
I-87	13	north	55	City of Ithaca/DOT	Waterfront	New	Shopping Malls ^	13	Yes	DOT B
							Dryden ^	13	Yes	
							Groton ^	13	Yes	
							o Waterfront >	13	Yes	
I-88	13	north	55	City of Ithaca/DOT	Waterfront	Replace	Stewart Park >	Shore exit	No	DOT B
							Visitor Center i >	Shore exit	No	
I-89	Gibbs exit	south	30	City of Ithaca/DOT	Waterfront	Replace	Stewart Park ^	Entrance	No	DOT B
							Visitor Center i >	Shore	No	
							Ithaca Falls >	Shore	No	
I-90	13	south	55	City of Ithaca/DOT	Waterfront	Replace	Stewart Park >	Gibbs exit	No	DOT B
							Visitor Center i >	Gibbs exit	No	
							Ithaca Falls >	Gibbs exit	No	
I-91	Shore exit	north	30	DOT	Waterfront	Replace	Stewart Park <	Shore	No	DOT B
							Visitor Center i <	Shore	No	
I-92	Gibbs	north	30	City of Ithaca	Waterfront	New	Visitor Center i <	Shore	No	DOT B
							Ithaca Falls >	Shore	No	
I-93	Shore	north	40	City of Ithaca	Waterfront	Replace	Visitor Center i ^	Shore	No	DOT B
							East Shore Park ^	Shore	No	
							Stewart Park <	Gibbs	No	
I-94	Shore	south	40	City of Ithaca	Waterfront	Replace	Ithaca Falls ^	Shore	No	DOT B
							o East Hill CORNELL ^	Shore	No	
							o South Hill ITHACA COL >	Gibbs	No	
							Stewart Park >	Gibbs	No	
I-95	Shore	south	40	City of Ithaca	Ithaca	Replace	o East Hill CORNELL ^	Shore	No	DOT B
							o Waterfront ^ >	Gibbs	No	
							o Downtown ^ >	Gibbs	No	
							o South Hill ITHACA COL ^ >	Gibbs	No	
I-96	Shore	south	40	City of Ithaca	Waterfront	Replace	Visitor Center i >	Entrance	No	DOT B
							Waterfront Trail >	Entrance	No	
I-97	Shore	north	40	City of Ithaca	Waterfront	New	Visitor Center i <	Entrance	No	DOT B
							Waterfront Trail <	Entrance	No	

NOTE: Maps 1-14 show the destinations to be listed on each sign, although not necessarily in the correct order. Refer to the Proposed Wayfinding Signage Table and/or GIS database for the correct order of destination listings for each sign.

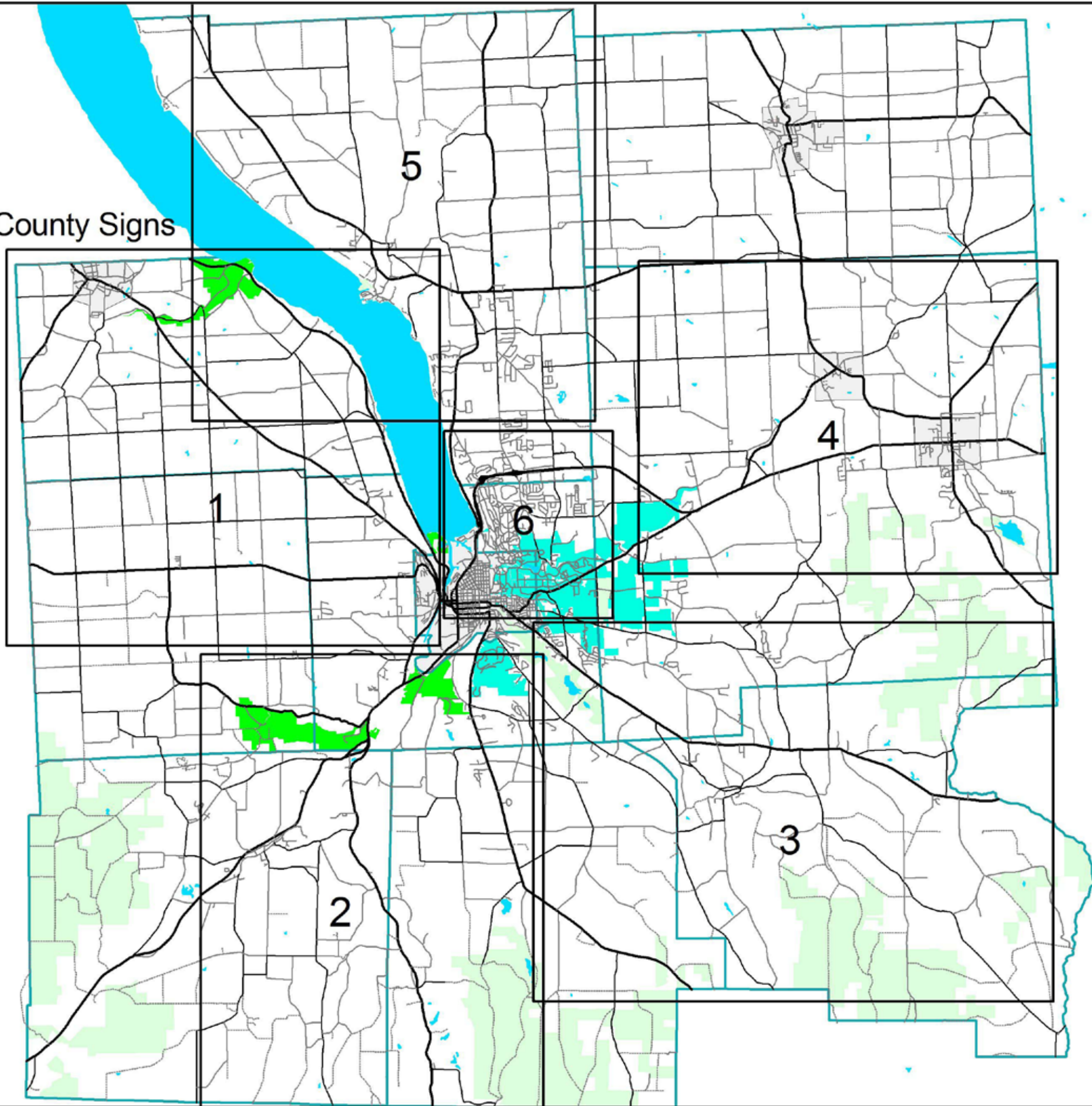
Appendix B - Existing Guide Signs



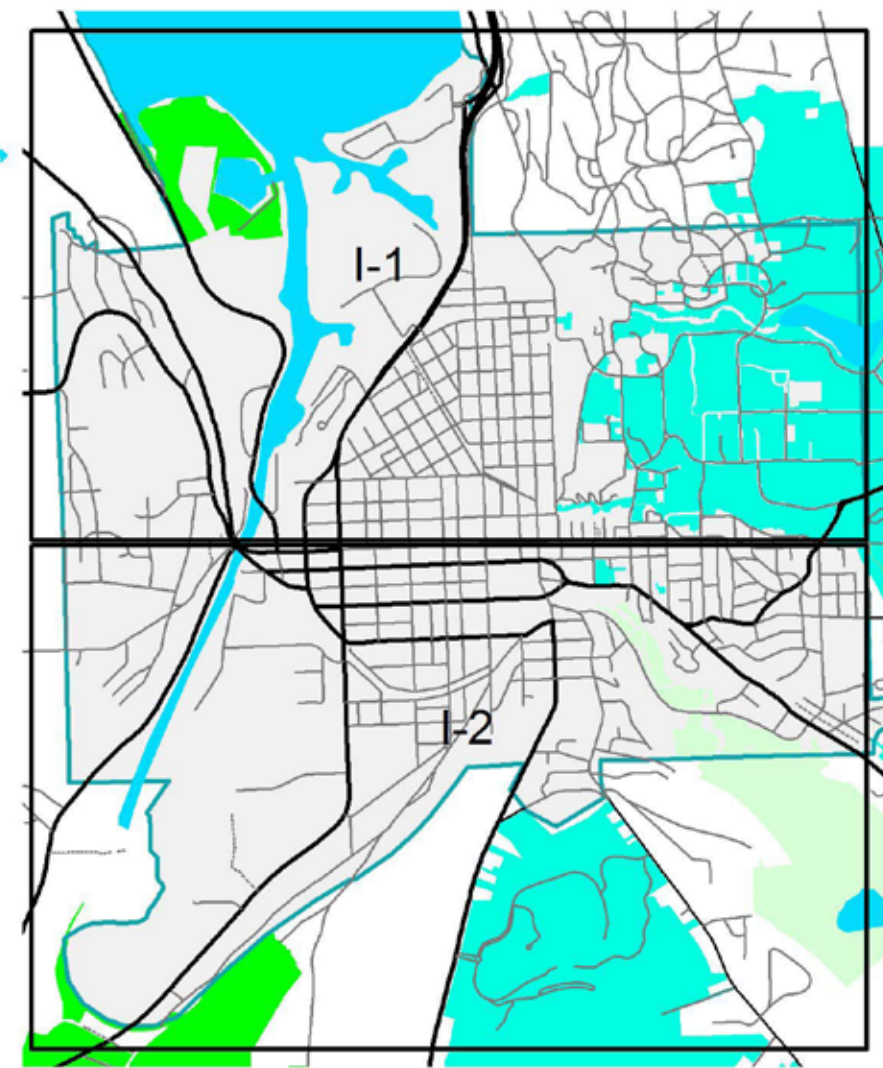




County Signs



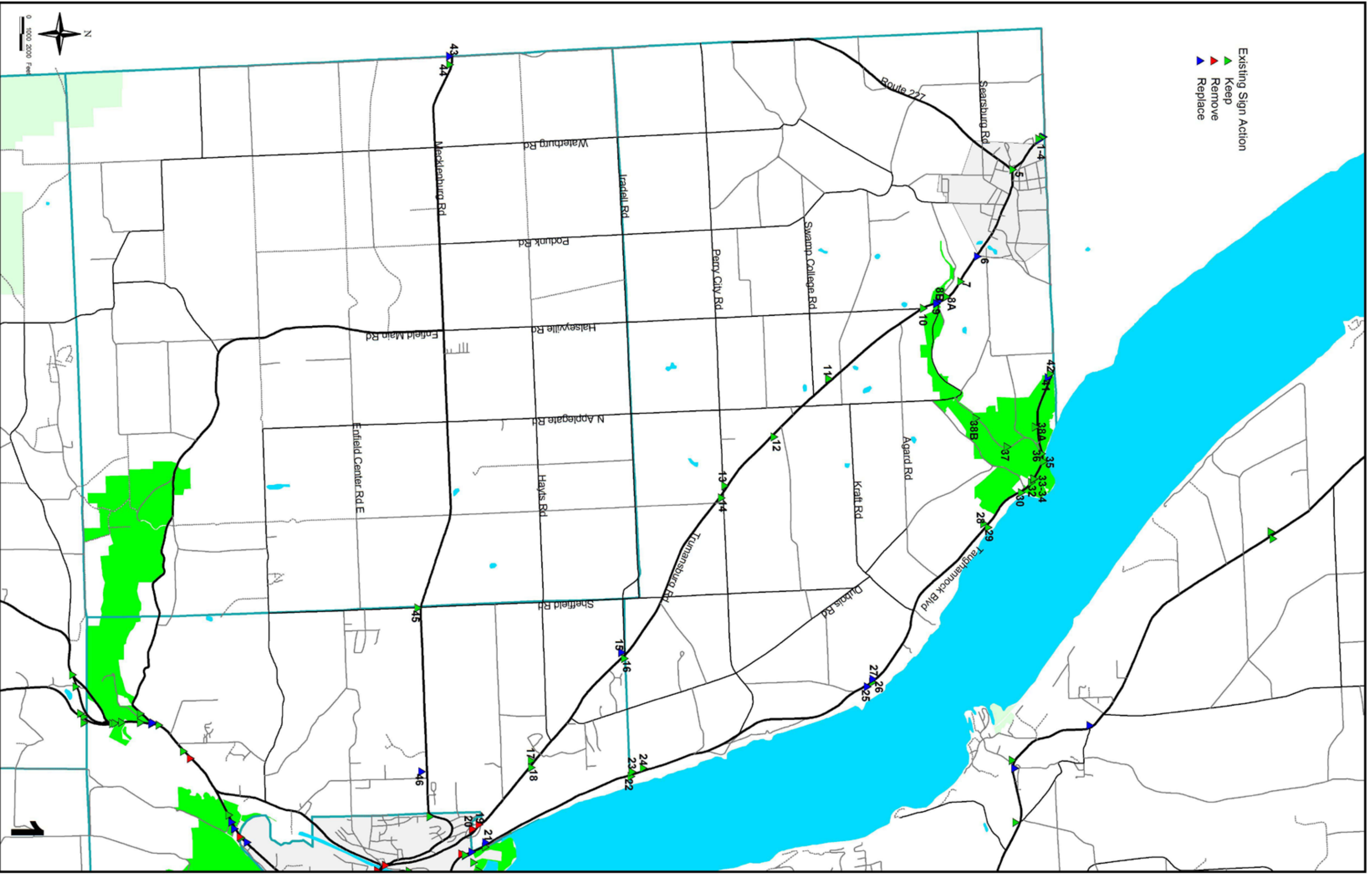
Ithaca Signs

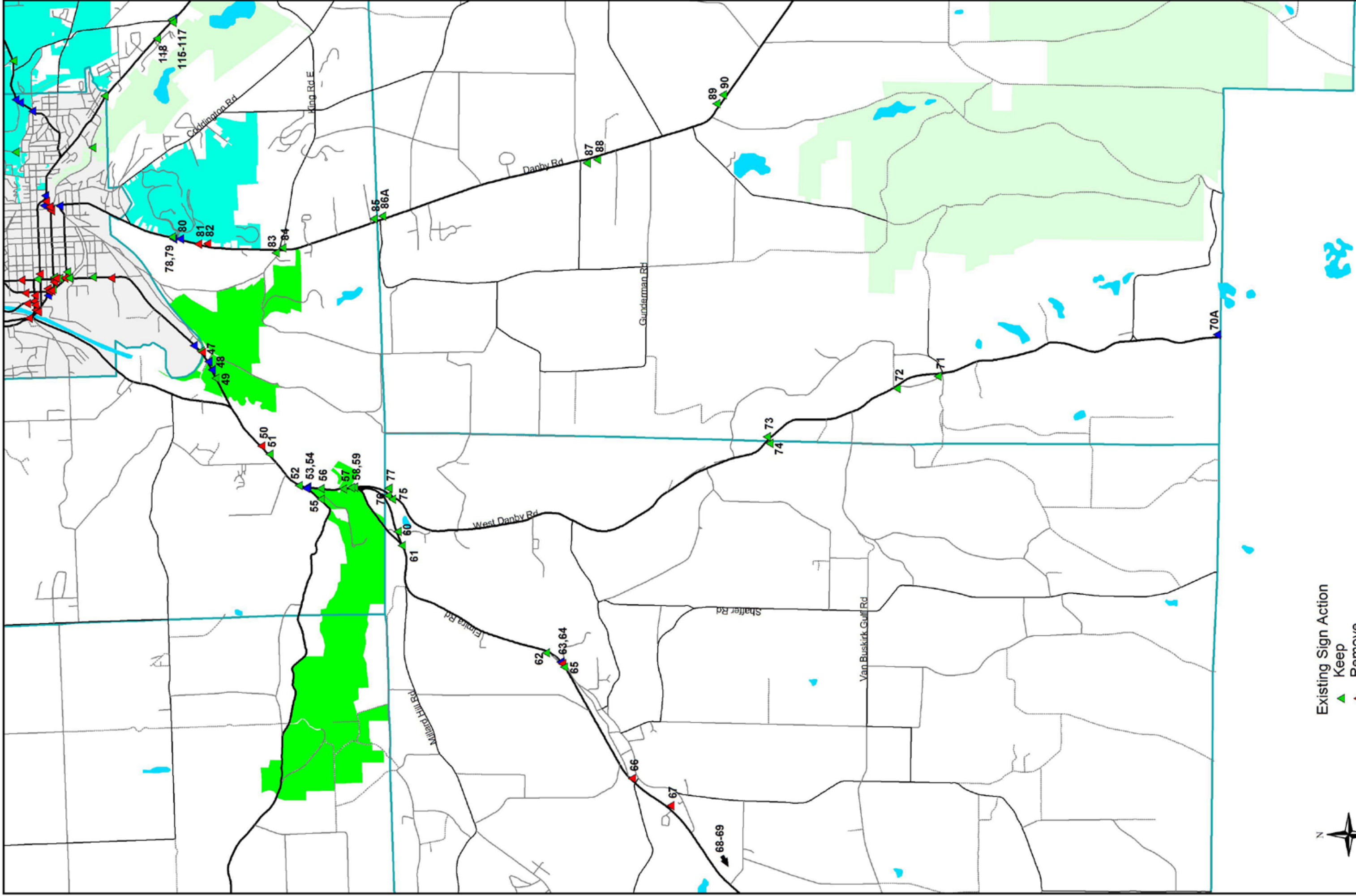


Existing Signage

Key Map

- Existing Sign Action
- ▲ Keep
 - ▲ Remove
 - ▲ Replace

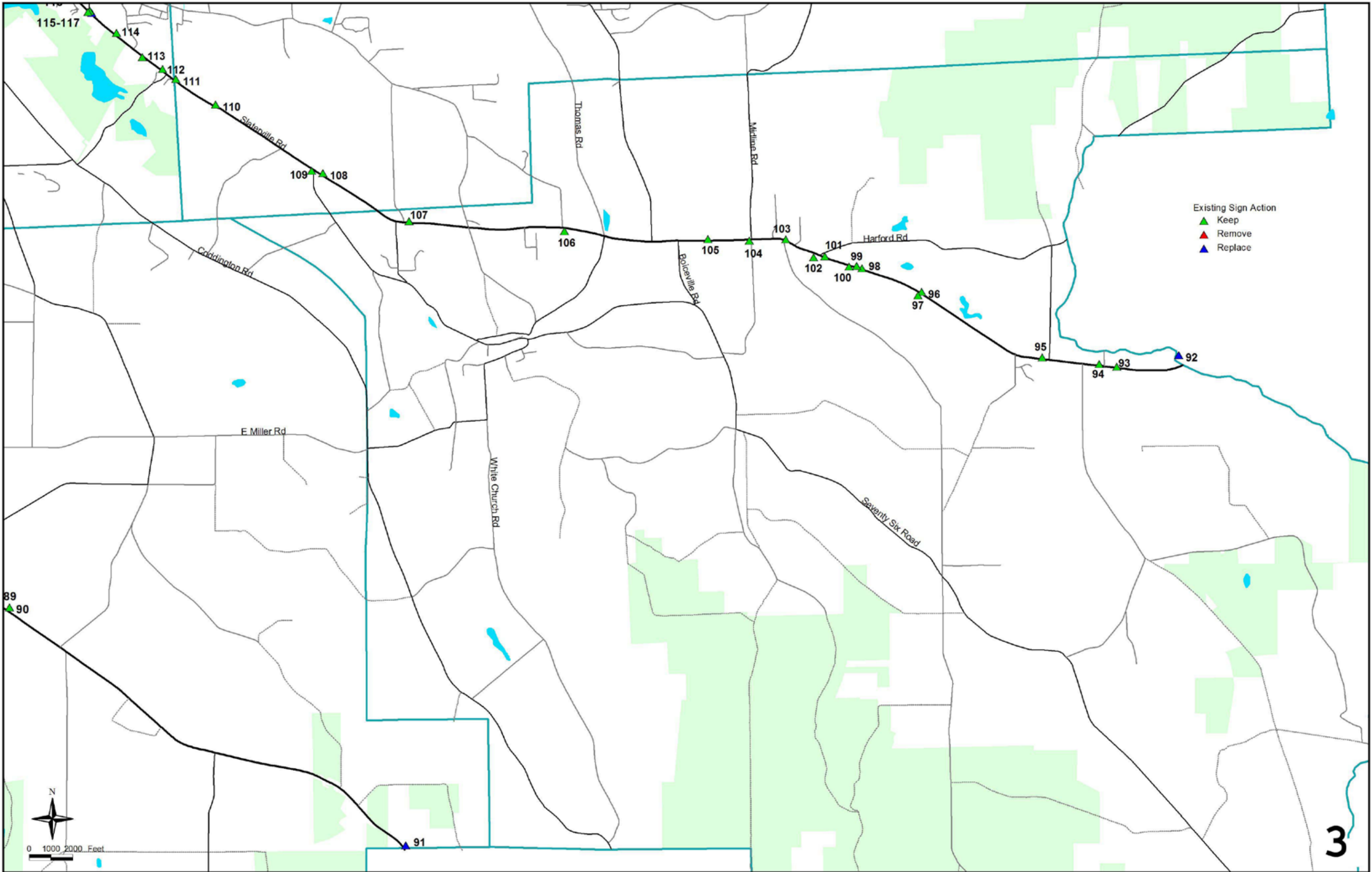




Existing Sign Action
 Keep
 Remove
 Replace



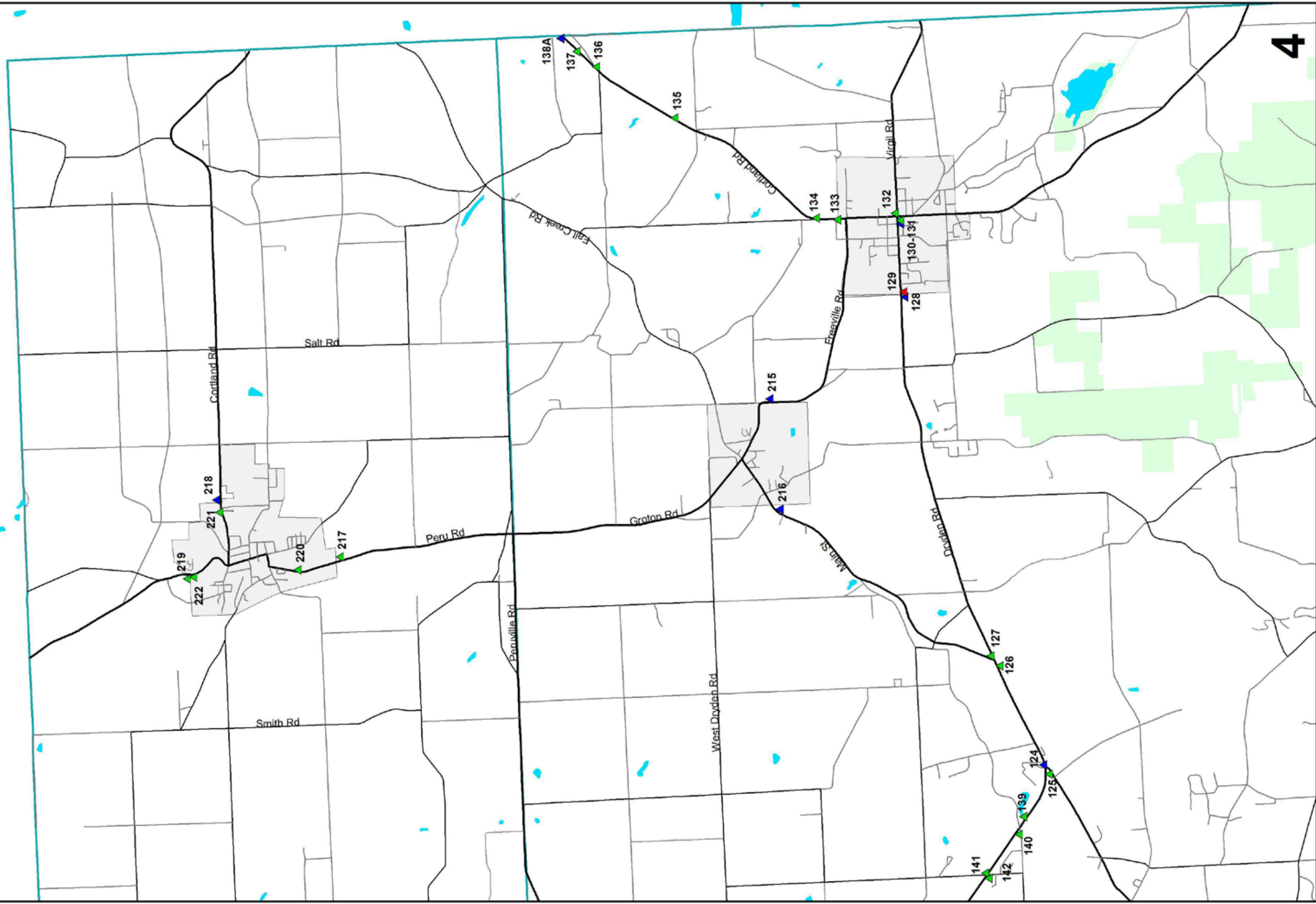
0 2000 4000 Feet





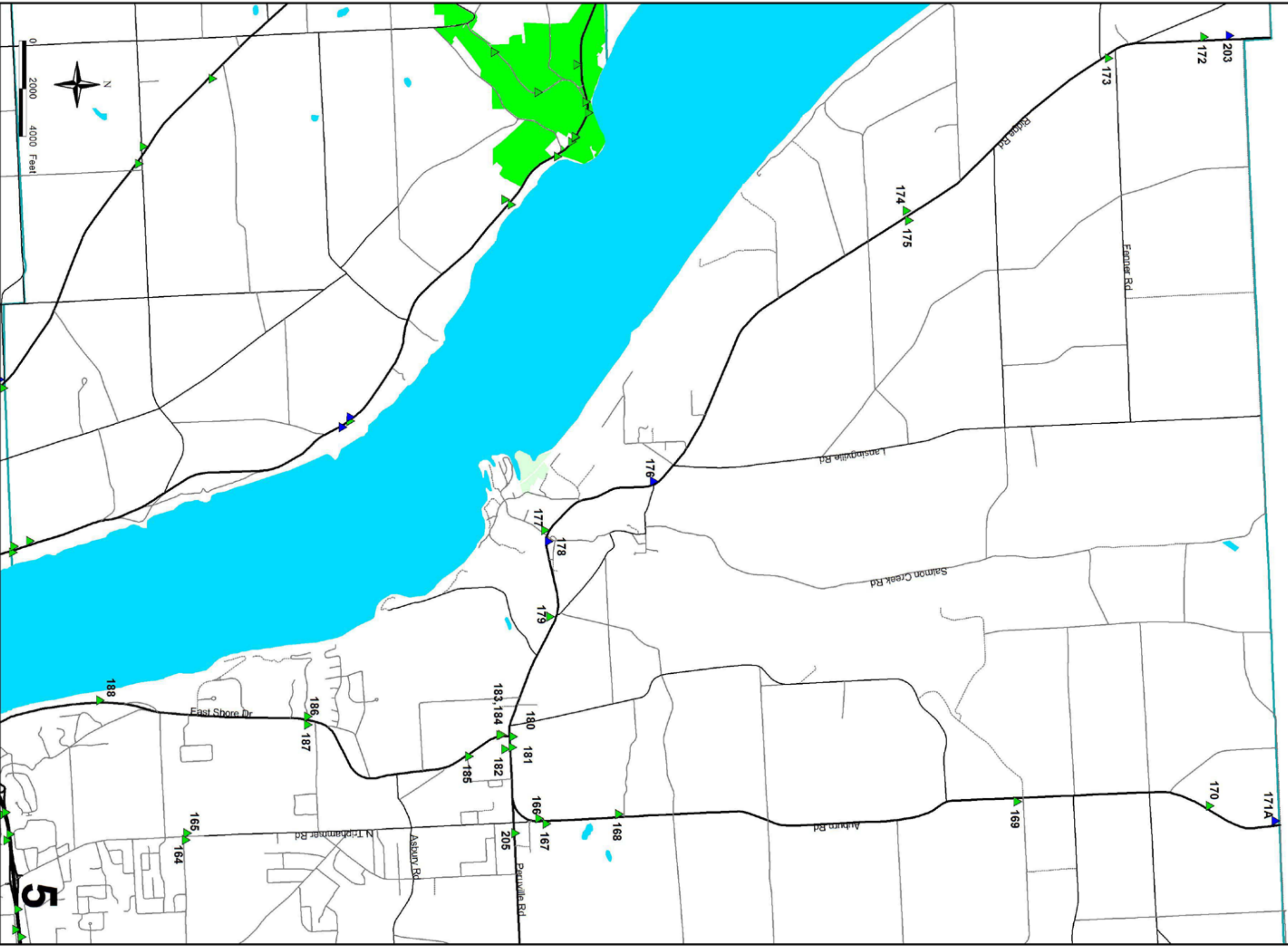
0 2000 4000 Feet

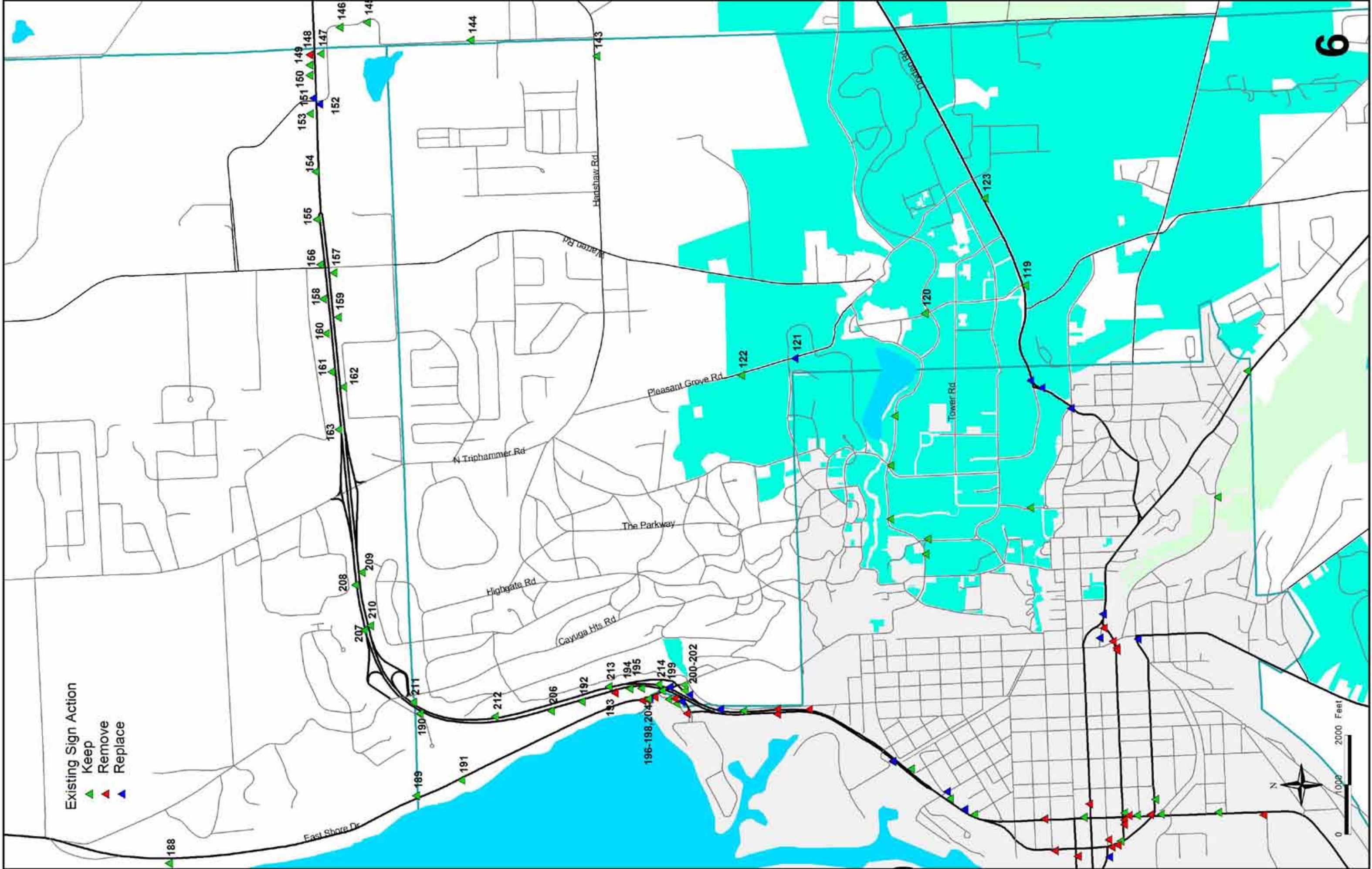
Existing Sign Action
▲ Keep
▲ Remove
▲ Replace

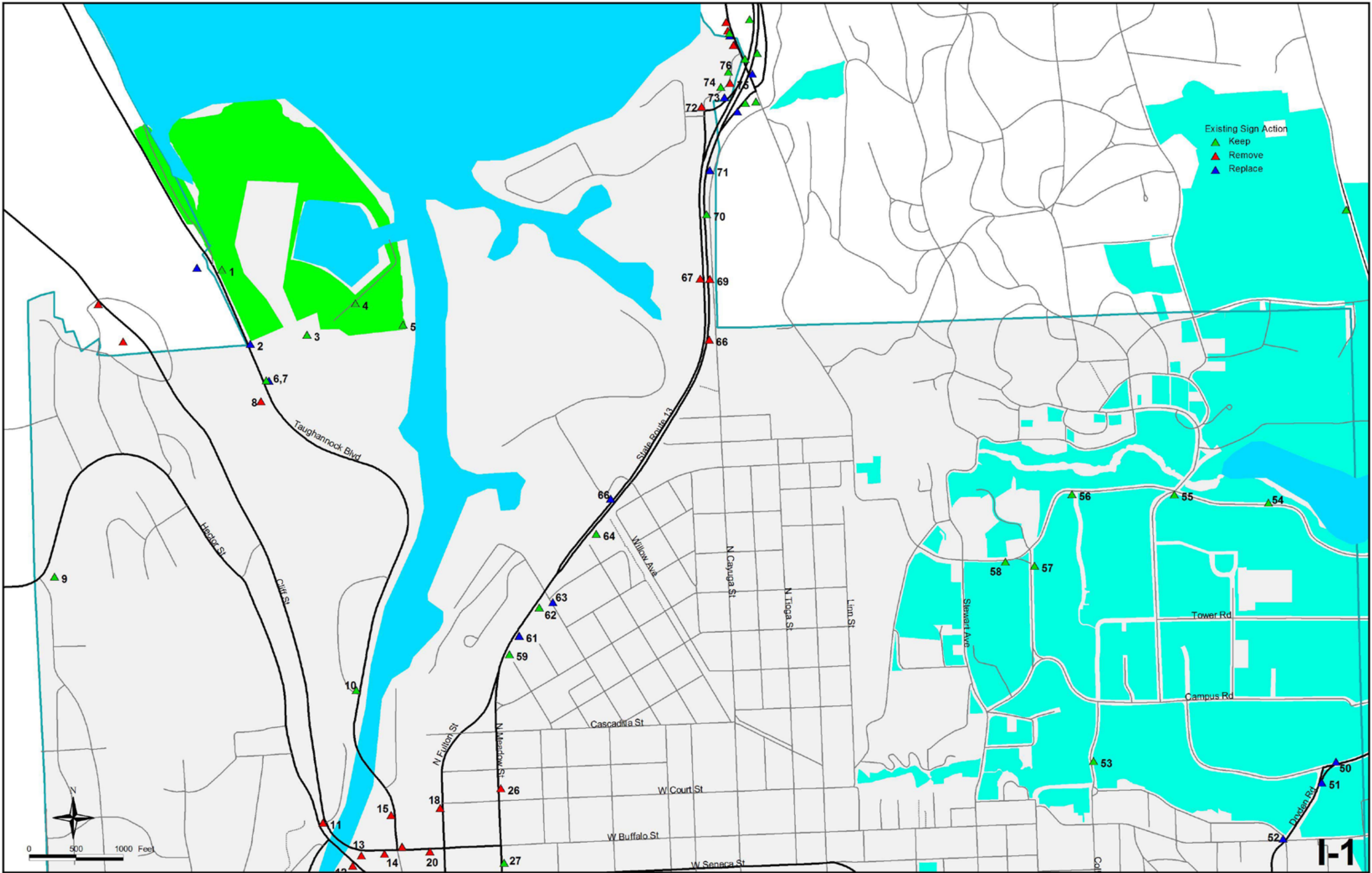


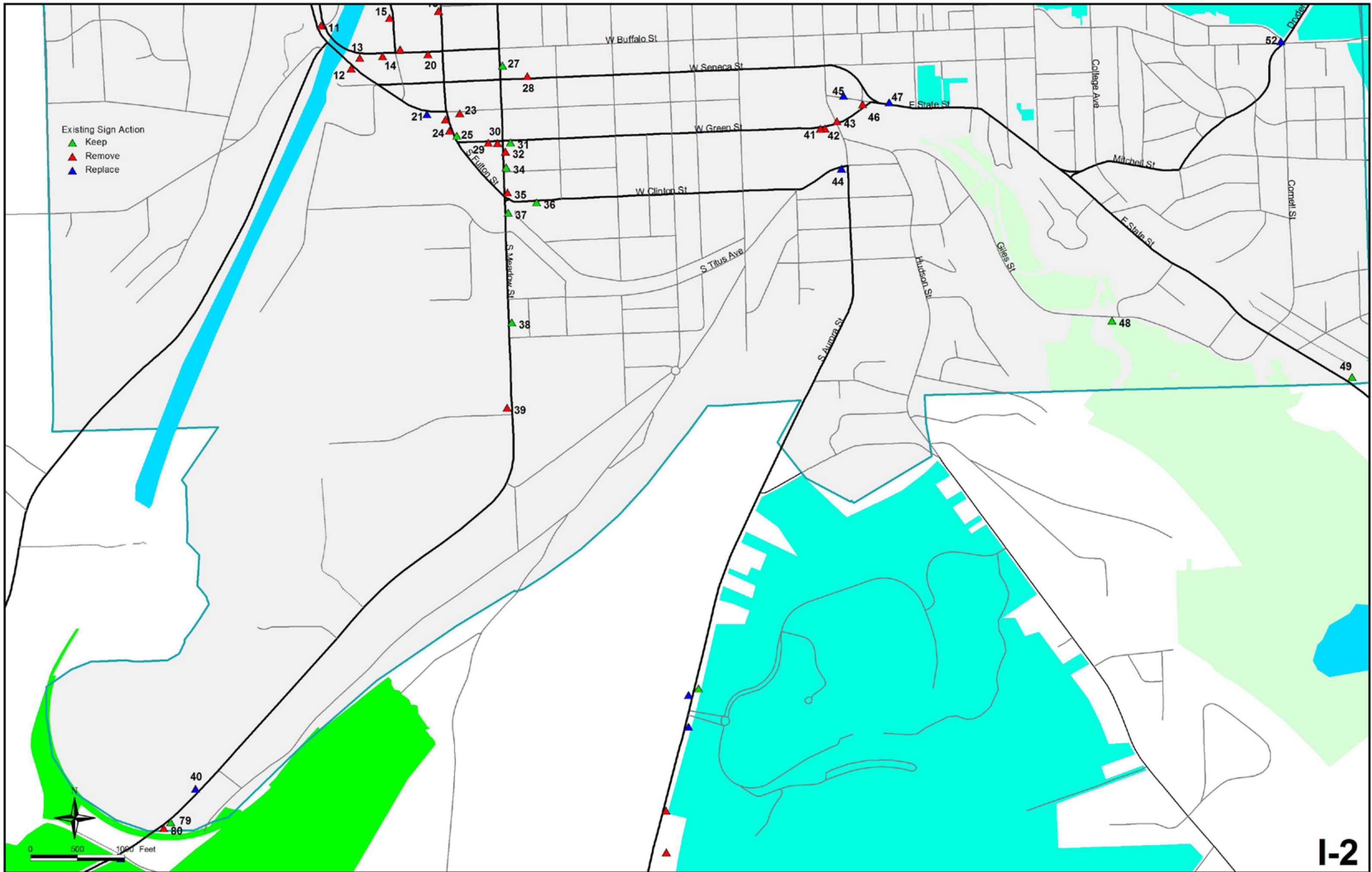
Existing Sign Action

- Keep
- Remove
- Replace











Appendix C - Master Design Manual



C-1 Design Intent

C-1.1 Typeface

Fonts on signs shall be Clearview 5W, Clearview 5WR, Series D, or Arial Narrow as specified in Wayfinding Signage Design Standards. Font Substitutions are not acceptable. Letter height shall be as specified in Wayfinding Signage Design Standards. Letter height is based on height of initial upper-case letter.

Clearview 5W

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

Clearview 5WR

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

Series D

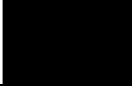








ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

Arial Narrow

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

Copy layout, interline spacing, edge spacing, etc. shall conform to requirements in (1) Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD), US Department of Transportation Federal Highway Administration, Chapter 2D Guide Signs – Conventional Roads and (2) Standard Highway Signs, 2004 edition with 2012 Supplement, US Department of Transportation Federal Highway Administration, Guide Signs: Destination, unless otherwise specified in Section C-2 Wayfinding Signage Design Standards.

C-1.2 Color Palette

COLOR	Sample	C	M	Y	K
Black‡		0	0	0	100
White‡		0	0	0	0
Apricot‡		0	17	80	0
Apple Green‡		56	19	100	2
East Hill Red		0	100	79	20
South Hill Blue *		95	67	3	0
Waterfront Blue‡		76	16	12	0
Downtown Purple‡		50	100	0	0
Citron Green (logo only) ‡		15	0	75	10

‡ these colors are also used in logo.

* use this same blue for the background of the parking symbol on Parking Information Sign

The green used for the DOT Destination Guide Signs and the District Information Signs, as well as the brown used for the DOT Recreational and Cultural Interest Area Signs, shall be per NYSDOT standards.

Per MUTCD Section 2D.50 Community Wayfinding Signs, the minimum luminance ratio of legend to background for community wayfinding guide signs shall be 3:1.

C-1.3 Arrows

Arrows style and placement shall be as specified in (1) Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD), US Department of Transportation Federal Highway Administration, Chapter 2D.08 Arrows and Chapter 2D.37 Destination Signs and (2) Standard Highway Signs, 2004 edition with 2012 Supplement, US Department of Transportation Federal Highway Administration. Since the height of the destination text on all signs is less than 8", the Type D arrow shall be used. On some signs, an arrow rotated 45° is required, as indicated in the Proposed Wayfinding Signage Table (Appendix A) with the notation >(45) or <(45). On some signs, the Type C Advance Turn Direction Arrow is required, as indicated in the Proposed Wayfinding Signage Table (Appendix A) with the notation ^ >. The width across the arrowhead should be equal to the height of the destination's upper-case letter. Arrows shall be placed to the appropriate side of the destination, not underneath the destination(s): an arrow pointing to the right shall be at the extreme right of the sign, and an arrow pointing left or up shall be at the extreme left. Distance numerals, if used, shall be placed to the right of the destination names.

When a group of destinations on a single sign are all in the same direction an arrow shall be placed next to each individual destination, rather than using one arrow for the group.

C-1.4 Order of Destination Listings

The closest destination lying straight ahead should be at the top of the sign or assembly, and below it the closest destinations to the left and to the right, in that order. Per New York State Supplement to the MUTCD 2009 Edition, do not separate destinations by direction by the use of a horizontal separator line.

C-1.5 Pictographs

Several pictographs, or enhancement markers, are specified for use on the County and Community Gateway Signage and on the Community Wayfinding Signage. These include the community wayfinding logo, parking symbol, information symbol and a mortarboard (graduation cap) symbol.

The pictographs shall be supplied to the Contractor by the Project Manager for sign fabrication. The file format is Adobe Illustrator.

- Community wayfinding logo
- Information symbol
- Parking symbol
- Mortarboard symbol

Community Wayfinding Logo

County Gateway Signs: 18" diameter

Municipal Gateway Signs: 12" diameter

Vehicular Directional Signs: 12" diameter for signs in 35 mph or less zones, 18" diameter for signs in zones with speed limit greater than 35 mph

Kiosks: 5" diameter

Pedestrian Directional Signs: 4" diameter



Information Symbol - Vehicular Directional Signs

Diameter: 5" diameter for signs in 35 mph or less zones, 7-1/2" diameter for signs in zones with speed limit greater than 35 mph

Font: 3" letter height for 5" diameter symbol, 4-1/2" letter height for 7-1/2" diameter symbol, Book Antigua (with the space between the body and dot of the i shortened as shown), white

Background color: Black

Outline: 1/3" width for 5" diameter symbol, 1/2" width for 7-1/2" diameter symbol, white



Parking Symbol - Parking Information Signs

Diameter: 12" for Parking Information Sign

Font: 6" letter height, Clearview 5W, white

Background color: South Hill Blue

Outline: 1/2" width, white



Parking - Vehicular Directional Signs

Diameter: 5" diameter for signs in 35 mph or less zones, 7-1/2" diameter for signs in zones with speed limit greater than 35 mph

Font: 3-1/3" letter height for 5" diameter symbol, 5" letter height for 7-1/2" diameter symbol, Clearview 5W, white

Background color: South Hill Blue

Outline: 1/3" width for 5" diameter symbol, 1/2" width for 7-1/2" diameter symbol, white



Mortarboard Symbol - Vehicular Directional Signs

The mortarboard symbol is adapted from the NYSDOT NYM8-5 higher education pictograph (New York State Supplement to the MUTCD); the majority of the pictograph is removed and only the mortarboard is retained.



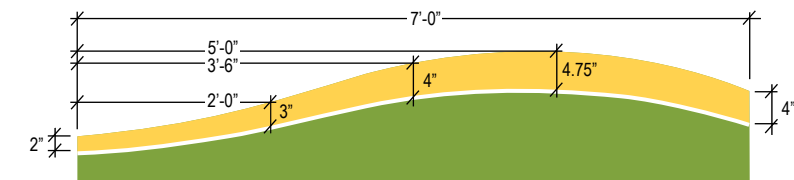
Height: 4" for signs in 35 mph or less zones, 6" for signs in zones with speed limit greater than 35 mph

Width: 7-1/8" for 4" high symbol, 10-2/3" for 6" high symbol

Color: White on black sign background

C-1.6 Shape of Sign Top

The curve at the top of all Gateway and Community Wayfinding signage is proportional to the width of the sign. The dimensions of the top for the County Gateway sign are shown below. The dimensions of the curved apricot-colored strip at the top of all other signs shall be scaled proportionally based on sign width.

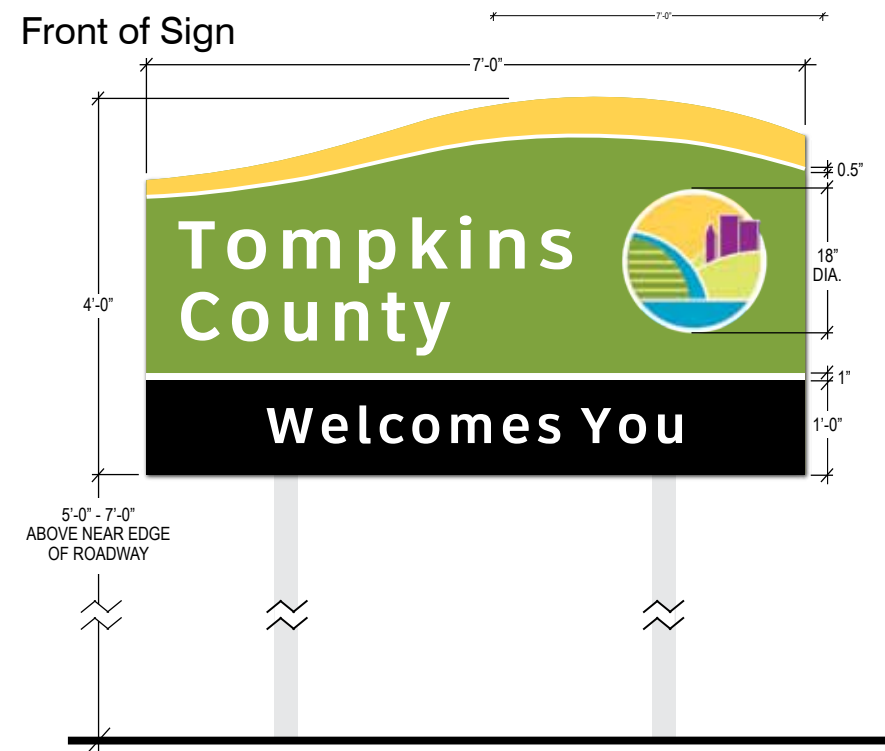


C-2 Wayfinding Signage Design Standards

Back of Sign
(not to scale)



Front of Sign



County Gateway Sign

Reference Standard: NYSDOT Highway Design Manual Appendix 11B, *Decorative Community Gateway Signing and/or Landscaping on State Highway Right of Way*

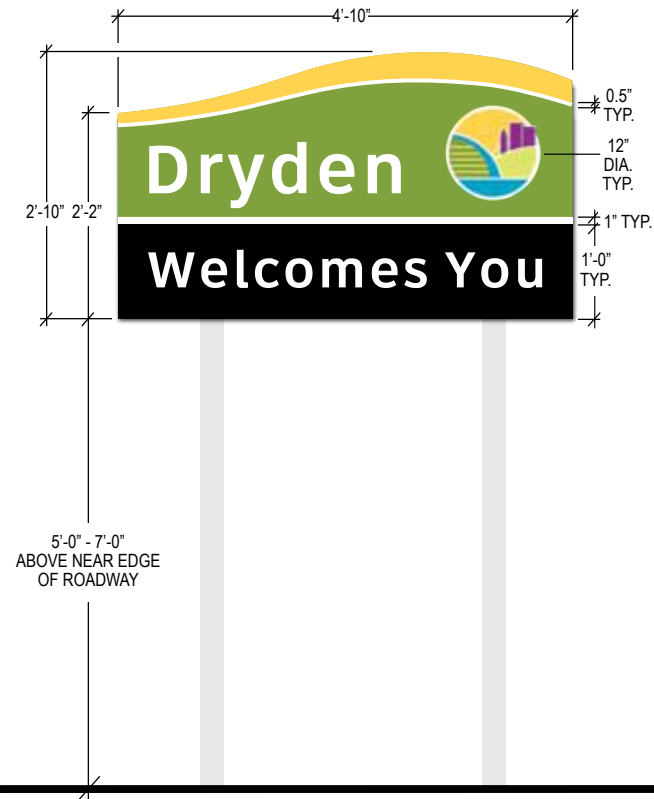
Dimensions: 4'-0" H x 7'-0" W (maximum allowable size is 32 sq ft)

Vertical Placement: Mount sign 5' above near edge of roadway, or 7' above edge in areas where parking or pedestrians are likely.

Lateral Offset: Mount sign between 2-12' from edge of roadway, depending on road design factors.

Fonts: Tompkins County: 6" letter height, Clearview 5W
 Welcomes You: 4.5" letter height, Clearview 5W
 Thank You: 6" letter height, Clearview 5W
 for visiting!: 4.5" letter height, Clearview 5W
 Please Come Again: 4.5" letter height, Clearview 5W

Signs shall be retroreflective.



Municipal Gateway Sign A

Reference Standard: NYSDOT Highway Design Manual Appendix 11B, *Decorative Community Gateway Signing and/or Landscaping on State Highway Right of Way*

Dimensions: 2'-10" H x 4'-10" W (the "Welcomes You" text is the controlling line that establishes sign size)

Vertical Placement: Mount sign 5' above near edge of roadway, or 7' above edge in areas where parking or pedestrians are likely.

Lateral Offset: Mount sign between 2-12' from edge of roadway, depending on road design factors.

Fonts: Community Name: 6" letter height, Clearview 5WR
 Welcome line: 4.5" letter height, Clearview 5W

Signs shall be retroreflective.



Municipal Gateway Sign B

Reference Standard: NYSDOT Highway Design Manual Appendix 11B, *Decorative Community Gateway Signing and/or Landscaping on State Highway Right of Way*

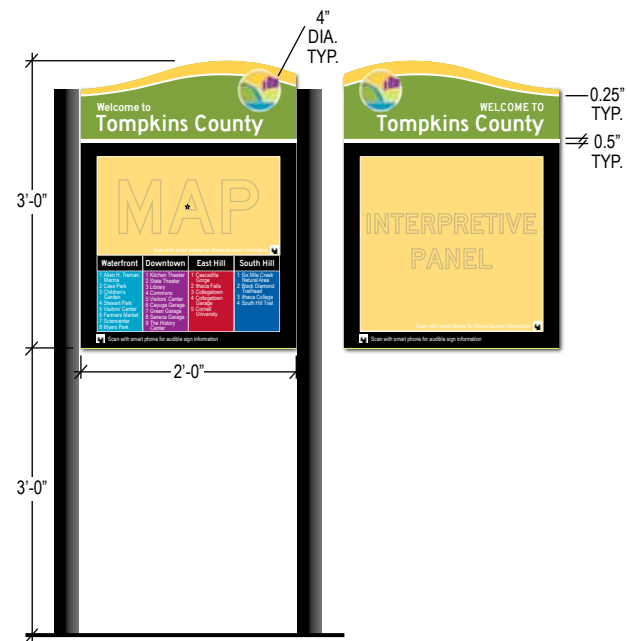
Dimensions: 3'-0" H x 5'-11" W (designed to accommodate communities with longer names; Brooktondale is the longest name and thereby establishes sign size)

Vertical Placement: Mount sign 5' above near edge of roadway, or 7' above edge in areas where parking or pedestrians are likely.

Lateral Offset: Mount sign between 2-12' from edge of roadway, depending on road design factors.

Fonts: Community Name: 6" letter height, Series D
 Welcome line: 4.5" letter height, Clearview 5W

Signs shall be retroreflective.



Interpretive Kiosk

Reference Standard: N/A

Dimensions: 3'-0" H x 2'-0" W (sign panel)

The district identification block at the top shall be color coded by district. For kiosks located outside a district, the block shall be colored to match the county color

Vertical Placement: Mount bottom of sign 3' above top of sidewalk

Lateral Offset: to be located in pedestrian spaces

Fonts: Welcome to: 1" letter height, Series D

Tompkins County or District Name: 2" letter height, Series D

District name (lower): 0.75" letter height, Series D

Destination listings: 0.5" letter height, Arial Narrow

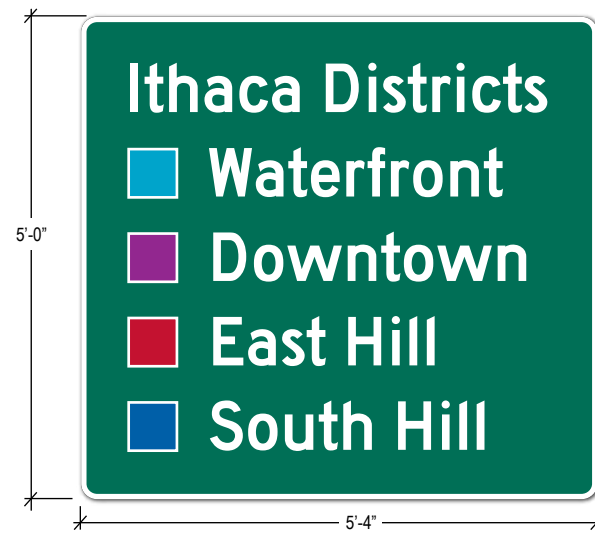
Kiosks are located at major pedestrian nodes in parks, along trails and open space corridors and at existing pull-offs along state highways entering the county.

A QR (quick response) code should be located in the lower left corner of each sign to direct mobile device users to a website with additional interpretive information.

Maps should indicate viewers' location ("You Are Here") and should include north arrow, districts, street names, indication of one-way streets, parks, landmarks, waterways, and trails. Design of the maps and interpretive panels will take place in a subsequent phase of this project.

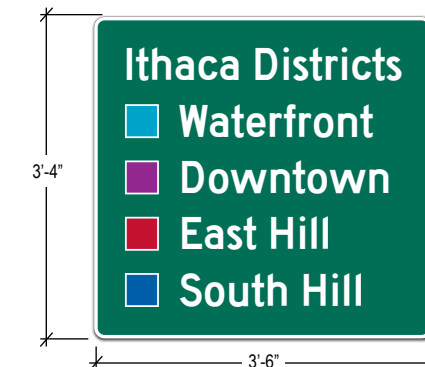
Tompkins County Wayfinding & Interpretive Signage Plan

6" Letter Height

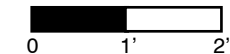


BORDER WIDTH AND CORNER RADII PER REFERENCE STANDARDS

4" Letter Height



All drawings SCALE:



District Information Sign

Reference Standard: Manual on Uniform Traffic Control Devices, Section 2D.50, *Community Wayfinding Systems*

Dimensions: See above (the "Ithaca Districts" text is the controlling line that establishes sign width)

These informational guide signs shall have a white legend and border on a green background. Districts are listed with a colored square that introduces the color coding for each district. District listings are limited to four per sign. The size of the colored square is equal to the letter height on the sign (4" or 6").*

Vertical Placement: Mount sign 5' above near edge of roadway, or 7' above edge in areas where parking or pedestrians are likely.

Lateral Offset: Mount sign between 2-12' from edge of roadway, depending on road design factors and available space.

Fonts: Ithaca Districts: 4" or 6" letter height*, Series D

District Names: 4" or 6" letter height*, Series D

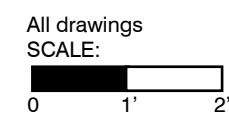
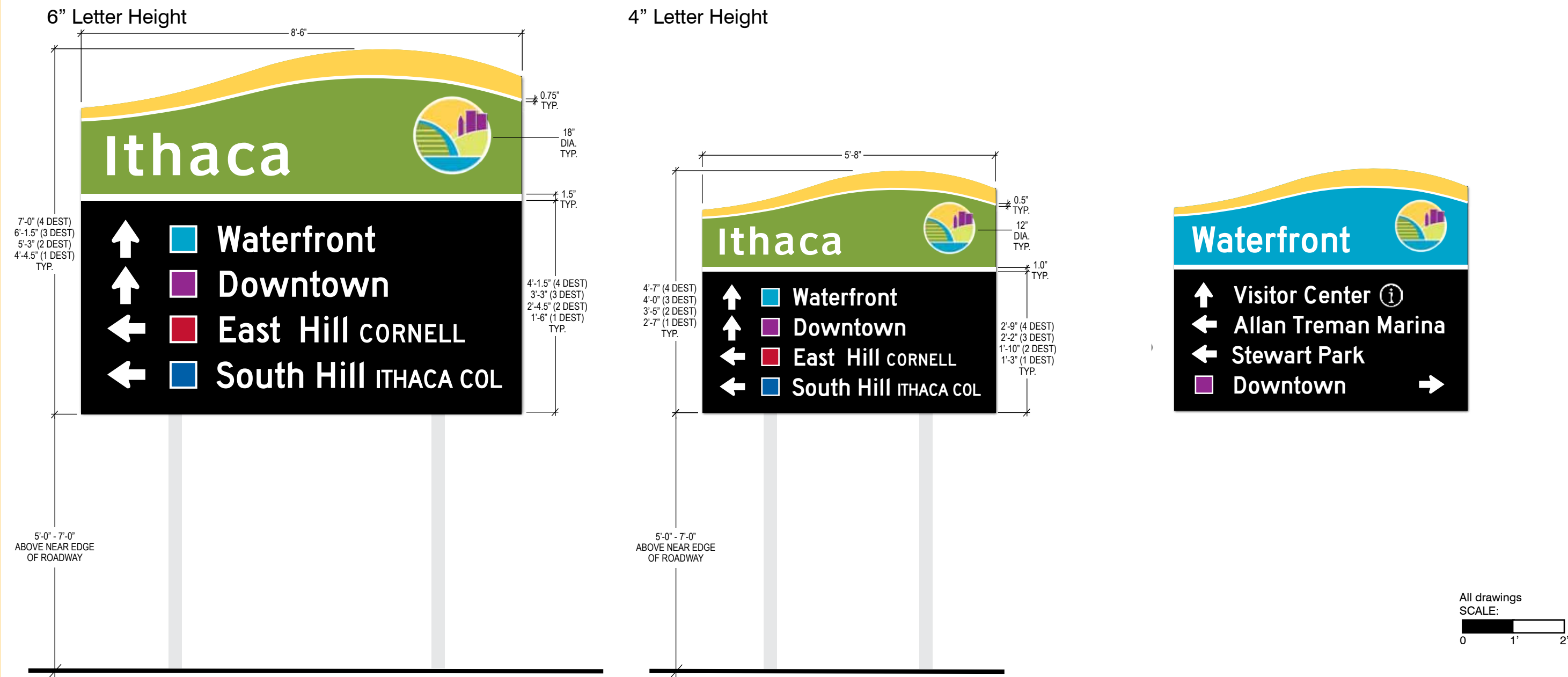
* 4" letter height for signs in 35 mph or less zones, 6" letter height for signs in zones with speed limit greater than 35 mph. See Proposed Wayfinding Signage Table in Appendix A for speed limit information.

Interline spacing: 3" for signs with 4" letter height
4.5" for signs with 6" letter height

Edge spacing: 3" for signs with 4" letter height
4.5" for signs with 6" letter height

Signs shall be retroreflective.

Wayfinding Signage Design Standards (cont.)



Vehicular Directional

Reference Standard: Manual on Uniform Traffic Control Devices, Section 2D.50, *Community Wayfinding Systems*

Dimensions: See above

Destinations are listed in the order of direction: straight first, then left, then right. Within the same direction, the closest destination is listed first

Vertical Placement: Mount sign 5' above near edge of roadway, or 7' above edge in areas where parking or pedestrians are likely.

Lateral Offset: Mount sign between 1-12' from edge of roadway, depending on road design factors and available space.

Fonts: Community Name: 6" letter height, Clearview 5WR
Destination lines: 4" or 6" letter height*, Series D
Cornell/Ithaca Col: 4" or 6" letter height*, Series D, small caps
* 4" letter height for signs in 35 mph or less zones, 6" letter height for signs in zones with speed limit greater than 35 mph. See Proposed Wayfinding Signage Table in Appendix A for speed limit information.

Interline spacing: 3" for signs with 4" letter height
4.5" for signs with 6" letter height

Edge spacing: 3" for signs with 4" letter height
4.5" for signs with 6" letter height

Signs shall be retroreflective.

Vehicular Directional - District

The Vehicular Directional - District sign is identical to the Vehicular Directional sign except that the district identification block at the top shall be color coded by district. See information listed under Vehicular Directional sign at left.

Fonts: District Name: 6" letter height, Series D
Destination lines: 4" or 6" letter height*, Series D
Cornell/Ithaca Col: 4" or 6" letter height*, Series D, small caps

* 4" letter height for signs in 35 mph or less zones, 6" letter height for signs in zones with speed limit greater than 35 mph. See Proposed Wayfinding Signage Table in Appendix A for speed limit information.

Signs shall be retroreflective.



As shown in the illustration of the Vehicular Directional signs at left, the height of the Vehicular Directional and Vehicular Directional - District signs varies depending upon the number of destinations listed on each sign (from one to four). The illustrations above show the relative height of the sign with one, two, three or four destinations listed.

All drawings
SCALE:
0 1' 2'

Wayfinding Signage Design Standards (cont.)



Parking Information Sign

Reference Standard: N/A

Dimensions: 3'-6" H x 3'-9" W (Height accommodates listing of 3 destinations)

The "Park Here For" block at the top shall be color coded by district

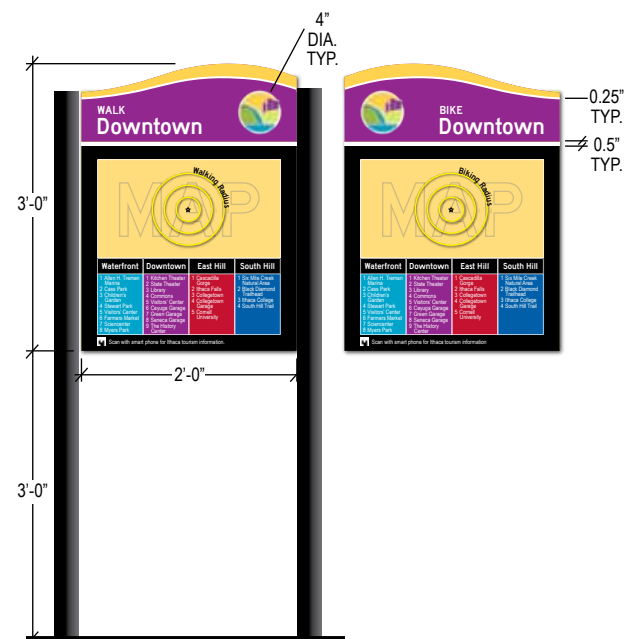
Signs shall be placed approximately 40-60' before entrance to parking garages.

Vertical Placement: Mount bottom of sign 8' above top of sidewalk

Lateral Offset: Mount sign between 1-5' from edge of roadway, depending on available space.

Fonts: Park Here For: 4.5" letter height, Series D, centered
Destination lines: 4" letter height, Series D, centered

Signs shall be retroreflective.



Pedestrian/Bicycle Kiosk

Reference Standard: N/A

Dimensions: 3'-0" H x 2'-0" W (sign panel)

The district identification block at the top shall be color coded by district. For kiosks located outside a district, the block shall be colored to match the county color

Vertical Placement: Mount bottom of sign 3' above top of sidewalk

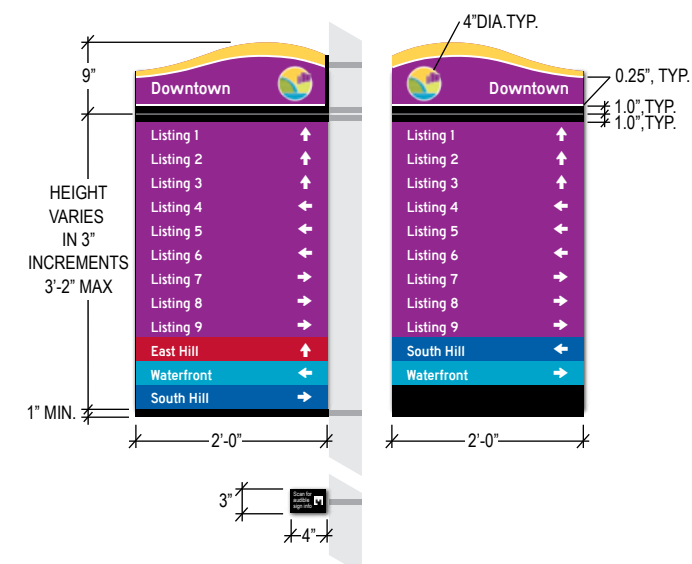
Lateral Offset: to be located in pedestrian spaces

Fonts: WALK/BIKE and EXPLORE: 1" letter height, Series D
District name (upper): 2" letter height, Series D
District name (lower): 0.75" letter height, Series D
Destination listings: 0.5" letter height, Arial Narrow

Kiosks are located at major pedestrian nodes, transportation hubs, exits from public parking lots/garages and at egress points into the city from college/university and open space corridors.

A QR (quick response) code should be located in the lower left corner of each sign to direct mobile device users to a website with additional interpretive information.

Maps should indicate viewers' location ("You Are Here") and should include north arrow, districts, street names, indication of one-way streets, parks, landmarks, waterways, and trails. The pedestrian wayfinding map should also include walk time radii. The bicycle wayfinding map (on facing side) should also include bike routes and bike time radii. Design of the maps will take place in a subsequent phase of this project.



Pedestrian Directional Sign

Reference Standard: N/A

Dimensions: 3'-10" maximum H x 2'-0" W (Height varies in 3" increments depending on the number of destinations listed; the number of destinations is limited to a maximum of 12. "Allan H Treman St Pk" is the longest destination name and thereby establishes sign width.)

The district identification block at the top and the listing of destinations shall be color coded by district. For signage located outside a district, the sign shall be colored to match the county color scheme.

Vertical Placement: Mount bottom of sign 8' above top of sidewalk

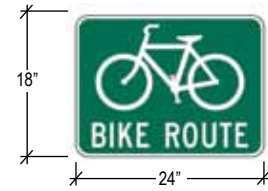
Lateral Offset: Mount sign between 1-5' from edge of roadway, depending on available space.

Fonts: District name: 1.5" letter height, Series D
Destination listings: 1.25" letter height, Series D

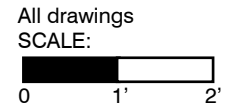
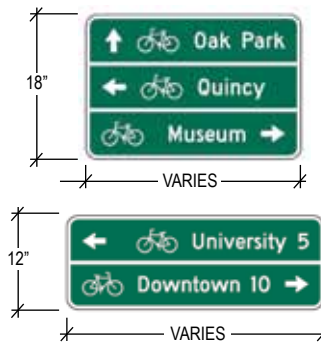
A subsequent study is recommended to identify pedestrian destinations (in addition to major destinations identified by this project), main pedestrian routes, decision points, and locations of pedestrian directional signage. Locations for this signage type are not included in this project.

A braille-like QR (quick response) code should be located on a separate sign (3" H x 4" W) mounted 30" above the sidewalk, directly below the Pedestrian Directional Listing sign. When the code is scanned by mobile device users, the sign information would be reproduced audibly for the visually impaired.

Bike Route Guide Sign



Bicycle Destination Signs



Bicycle Directional Signs

Reference Standard: Manual on Uniform Traffic Control Devices, Section 9B.20 *Bicycle Guide Signs* and 9B.21 *Bicycle Route Signs*

Dimensions: The Bike Route sign is 18" H x 24" W. Bicycle Destination signs vary in height depending on the number of destinations listed (approximately 6" height per destination). Bicycle Destination signs vary in width depending on the length of the destination name.

Destinations are listed in the order of direction: straight first, then left, then right. Within the same direction, the closest destination is listed first

Vertical Placement: Mount sign 5' above near edge of roadway, or 7' above edge in areas where parking or pedestrians are likely.

Lateral Offset: Mount sign between 1-12' from edge of roadway, depending on road design factors.

Fonts: Destination listings: 2" letter height, Series D

A subsequent study is recommended to identify bicycle destinations (in addition to major destinations identified by this project), bicycle routes, decision points, and locations of bicycle directional signage. Locations for this signage type are not included in this project.

Bike Route Guide signs may be provided along a designated bicycle route or an unnumbered bicycle route that is part of a small local system or that connects two places between which bicycle travel is common. They are not intended for use along residential streets where bicycle travel patterns are random or where guidance for bicyclists is unnecessary.

Signs shall be retroreflective.

Destination Guide Sign

Reference Standard: Manual on Uniform Traffic Control Devices, Section 2D.37, *Destination Signs*

Dimensions: Height varies depending on the number of destinations listed (approximately 13" height per destination); a maximum of 3 - 4 destinations may be listed. Signs vary in width depending on the length of the destination name.

Destinations are listed in the order of direction: straight first, then left, then right. Within the same direction, the closest destination is listed first

Vertical Placement: Mount sign 5' above near edge of roadway, or 7' above edge in areas where parking or pedestrians are likely.

Lateral Offset: Mount sign between 2-12' from edge of roadway, depending on road design factors.

Fonts: Destination listings: 6" letter height, Series D

The standard Destination Guide Signs are to be used to direct motorists to communities from the identified primary and secondary routes when outside the Community Wayfinding system (i.e. when between the county line and a Community Gateway sign). Within the Community Wayfinding system, the Vehicular Directional signs, pictured on the previous pages) are to be used instead.

Signs shall be retroreflective.

Recreational and Cultural Interest Area Sign

Reference Standard: Manual on Uniform Traffic Control Devices, Chapter 2M, *Recreational and Cultural Interest Area Signs*

Dimensions: Height varies depending on the number of destinations listed (approximately 13" height per destination); a minimum of 3 - 4 destinations may be listed. Signs vary in width depending on the length of the destination name.

Destinations are listed in the order of direction: straight first, then left, then right. Within the same direction, the closest destination is listed first

Vertical Placement: Mount sign 5' above near edge of roadway, or 7' above edge in areas where parking or pedestrians are likely.

Lateral Offset: Mount sign between 2-12' from edge of roadway, depending on road design factors.

Fonts: Destination listings: 6" letter height, Series D

The standard Recreational and Cultural Interest Area Signs are to be used to direct motorists to cultural and recreational attractions from the identified primary and secondary routes when outside the Community Wayfinding system (i.e. when between the county line and a Community Gateway sign). Within the Community Wayfinding system, the Vehicular Directional signs, pictured on the previous pages) are to be used instead.

Signs shall be retroreflective.

C-3 Specifications

C-3.1 Referenced Standards:

Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD) 2009 including Revisions 1 and 2, US Department of Transportation Federal Highway Administration

Including, but not limited to, the following sections:

CHAPTER 2A. GENERAL

- Section 2A.06 Design of Signs
- Section 2A.16 Standardization of Location
- Section 2A.18 Mounting Height
- Section 2A.19 Lateral Offset
- Section 2A.20 Orientation
- Section 2A.21 Posts and Mountings

CHAPTER 2D. GUIDE SIGNS—CONVENTIONAL ROADS

- Section 2D.05 Lettering Style
- Section 2D.06 Size of Lettering
- Section 2D.07 Amount of Legend
- Section 2D.08 Arrows
- Section 2D.37 Destination Signs (D1 Series)
- Section 2D.40 Location of Destination Signs
- Section 2D.50 Community Wayfinding Signs

CHAPTER 2M. RECREATIONAL AND CULTURAL INTEREST AREA SIGNS

New York State Supplement to the MUTCD 2009 Edition, New York State Department of Transportation

Standard Highway Signs, 2004 edition with 2012 Supplement, US Department of Transportation Federal Highway Administration

Including, but not limited to, the following sections:

Guide Signs: Destination (for edge spacing, interline spacing, arrow placement, etc.)

New York State Highway Design Manual, Chapter 11, Appendix 11B Decorative Community Gateway and/or Landscaping on State Highway Right of Way

Standard Specifications (US Customary Units), January 9, 2014, New York State Department of Transportation

Including, but not limited to, the following sections:

Section 645 Signs

C-3.2 Signage

C-3.2.1 Instructions

1. The locations of the proposed Wayfinding Signs shown in Appendix A are approximate. Contractor shall be responsible for identifying exact sign locations based on site conditions. Contractor shall obtain approval from Project Manager for final sign locations. County and Municipal Gateway signs shall be located per New York State Highway Design Manual, Chapter 11, Appendix 11B Decorative Community Gateway and/or Landscaping on State Highway Right of Way. Standard DOT Signage and Vehicular Community Wayfinding Signage shall be located per MUTCD Section 2D.40 Location of Destination Signs.

2. Contractor is encouraged to use existing posts (sign posts, light poles, etc.) for new signage, where feasible. Contractor shall evaluate use of existing posts, identify where the use of existing sign posts is feasible and obtain approval from the Project Manager.

3. The Contractor shall be familiar with all site conditions and shall be responsible for checking locations of all underground utilities and basements/vaults.

4. Refer to NYSDOT Standard Specifications (USC) and standard sheets for material and construction information for the fabrication and installation of sign panels, sign support systems, sign posts and concrete foundations not otherwise specified in these contract documents.

5. All messages, borders, legends, and backgrounds of community wayfinding guide signs and any pictographs or identification enhancement markers shall be retroreflective.

C-3.2.2 Submittals

1. Contractor shall produce a prototype of each sign type prior to production.

2. The minimum luminance ratio of legend to background for community wayfinding guide signs shall be 3:1. Contractor shall confirm minimum luminance ratio with prototype sign before production. Contractor shall notify Project Manager of any non conformance.

3. The Contractor shall submit shop drawings showing the dimensioned sign face layout including lettering and artwork, color keys and other details as indicated in the contract documents for each sign to the Project Manager for approval prior to beginning work.

4. The Contractor shall submit construction details for each sign type identifying sign support system and installation details, including concrete foundation (except for Type A posts, which typically do not require a concrete foundation).

C-3.2.3 General

C-3.2.3.1 Description

Under Section C-3.2, the Contractor shall furnish and install wayfinding signage, as shown in the contract documents or as directed by the Project Manager. Refer to NYSDOT Standard Specifications (USC) for the fabrication of sign panels. The sign types pertaining to this section include:

- County Gateway Signs
- Municipal Gateway Signs
- District Information Signs
- Vehicular Directional Signs
- Parking Information Signs
- Pedestrian Directional Signs
- Bicycle Directional Signs
- Destination Guide Signs
- Recreational & Cultural Interest Areas Signs

C-3.2.3.2 Materials

As indicated in the contract documents.

C-3.2.3.3 Method of Measurement

The quantity of signs to be paid for under this item will be the number of signs furnished and installed as indicated in the contract documents or as directed by the Project Manager.

C-3.2.3.4 Basis of Payment

The unit price bid per sign furnished and installed will include the cost of all labor, freight, materials, hardware, paint, and equipment necessary to satisfactorily complete the work.

C-3.2.4 Materials & Fabrication

C-3.2.4.1 Sign Panels

Sign panels shall be 0.125" aluminum plate. Pedestrian Directional Sign shall be 11 gauge aluminum sheet. All edges shall be free of nicks, cuts, burrs or other machine markings.

Aluminum panels shall be treated to remove grease and oils prior to application of vinyl.

Z-bar stiffeners shall be attached to the back of the following sign types: County and Municipal Gateway Signs, District Information Signs, Vehicular Directional Signs, Destination Guide Signs, and Recreational & Cultural Interest Areas Signs. Quantity, length and position shall be determined by Contractor.

Channel extrusion braces shall be attached to the back of the following sign types when attached to round posts: Vehicular Directional Signs, Parking Information Sign. Quantity, length and position shall be determined by Contractor.

The County Gateway sign is two-sided and shall be comprised of two separate aluminum panels attached to shared posts.

All signs shall be orientated perpendicular to oncoming traffic.

The Pedestrian Directional sign is a single panel with text and graphics on both sides and shall be attached to the sidewalk side of the post, perpendicular to pedestrian traffic.

Signs shall preferably be one piece. Where signs will be multiple pieces, Contractor shall specify the number and sizes of the pieces.

Vinyl retroreflective sheeting shall be 3M High Intensity grade.

A UV protective coating shall be provided for all signs.

A graffiti overlay shall be provided for all Vehicular Directional Signs, Parking Information Signs and Pedestrian Directional Signs.

All signage graphics and text shall be silk screen printed onto white high intensity vinyl retroreflective sheeting.

The Community Wayfinding Logo may be a separate decal. The logo shall be silk screen printed onto white high intensity vinyl retroreflective sheeting.

BID ALTERNATE: In lieu of silk screen printing, the Contractor may propose to use digital printing, application of standard-colored vinyl sheeting/transparent overlay film, or a hybrid of methods. Contractor shall clearly specify what method(s) are being proposed for each sign type.

C-3.2.4.2 Sign Support

Refer to NYSDOT Standard Specifications (USC) for design and installation of sign support systems for signs utilizing Type A and Type B posts. The following attachment specifications for signs utilizing round posts are recommendations to convey design intent. Contractor is responsible for fabrication and overall level of quality. Contractor shall submit construction details for Contractor's proposed method of attachment. Refer to Proposed Wayfinding Signage Table (Appendix A) for identification of post type for each sign.

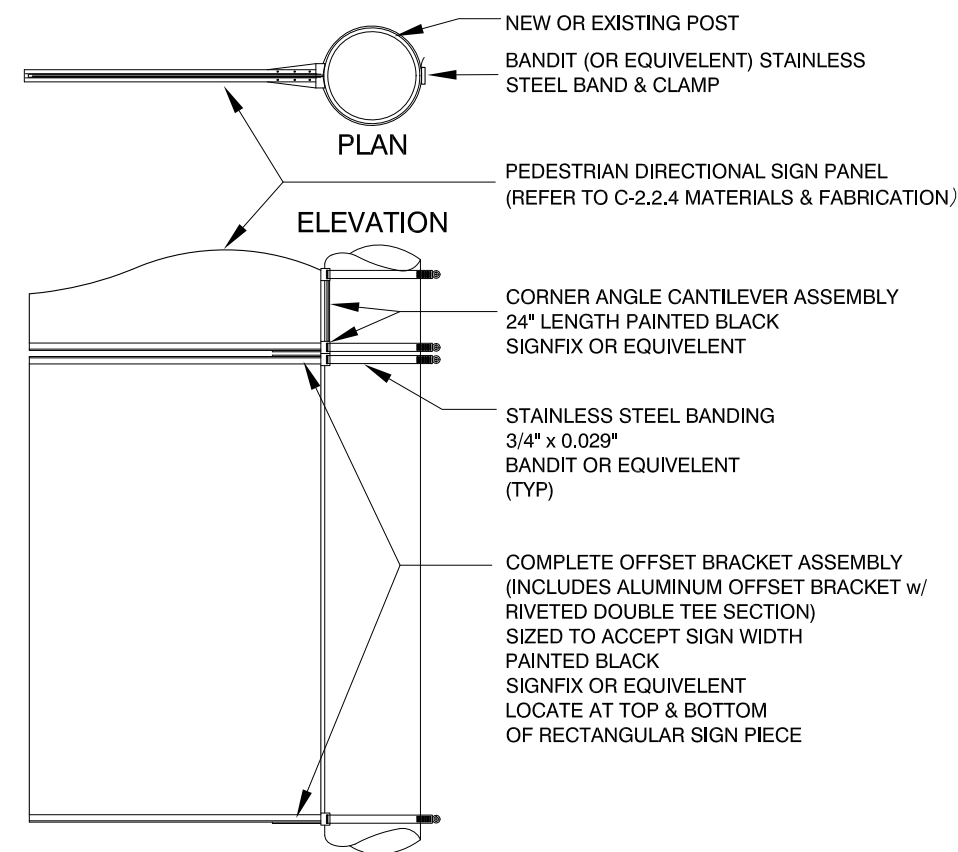
C-3.2.4.2a Parking Information Signs and Vehicular Directional Signs Attached to Round Aluminum Post

Signfix (or equivalent) aluminum channel extrusion (length and position of extrusions shall be determined by Contractor), universal channel clamp (standard stainless steel mounting bracket compatible with support extrusion), BAND-IT (or equivalent) stainless steel band to attach universal channel clamp to round poles. Per NYSDOT Standard Specifications Section 645, bands shall be a minimum of 0.75 inch x 0.02 inch; Contractor shall determine appropriate band size. For Signfix and BAND-IT product information, visit http://www.band-it-idex.de/de/Literature/Brochures/Signfix_catalog.pdf.

C-3.2.4.2b Pedestrian Directional Sign Attached to Round Aluminum Post

Signfix (or equivalent) 24" aluminum corner angle cantilever assembly with BAND-IT (or equivalent) stainless steel band shall attach bottom of top sign piece to round post. Signfix (or equivalent) aluminum complete offset bracket assembly shall be used to attach the top and bottom of the bottom sign piece to round post. See attachment detail below. For Signfix and BAND-IT product information, visit http://www.band-it-idex.de/de/Literature/Brochures/Signfix_catalog.pdf.

PEDESTRIAN DIRECTIONAL SIGN ATTACHMENT DETAILS



Specifications (cont.)

C-3.2.5 Installation

C-3.2.5.1 Type A Sign Posts

Type A sign posts shall be used for Destination Guide Signs, Recreational and Cultural Interest Area Signs and Bicycle Directional Signs. Refer to NYSDOT Standard Specifications (USC) and standard sheets for materials and installation methods for signs utilizing Type A sign posts. Per Section 645 – Signs, the Contractor shall install Type A sign posts individually or in groups to provide the required moment resistance. The number and strength of Type A sign posts installed shall be determined by the Contractor based on conditions at the final sign location approved by the Project Manager. The Contractor shall determine the required moment resistance for the Type A sign post(s) due to the wind loads indicated in Standard Specifications (USC) 645-3.01A Wind Loads and install the required number of type A posts subject to the criteria outlined in 645-3.03 Type A Sign Posts.

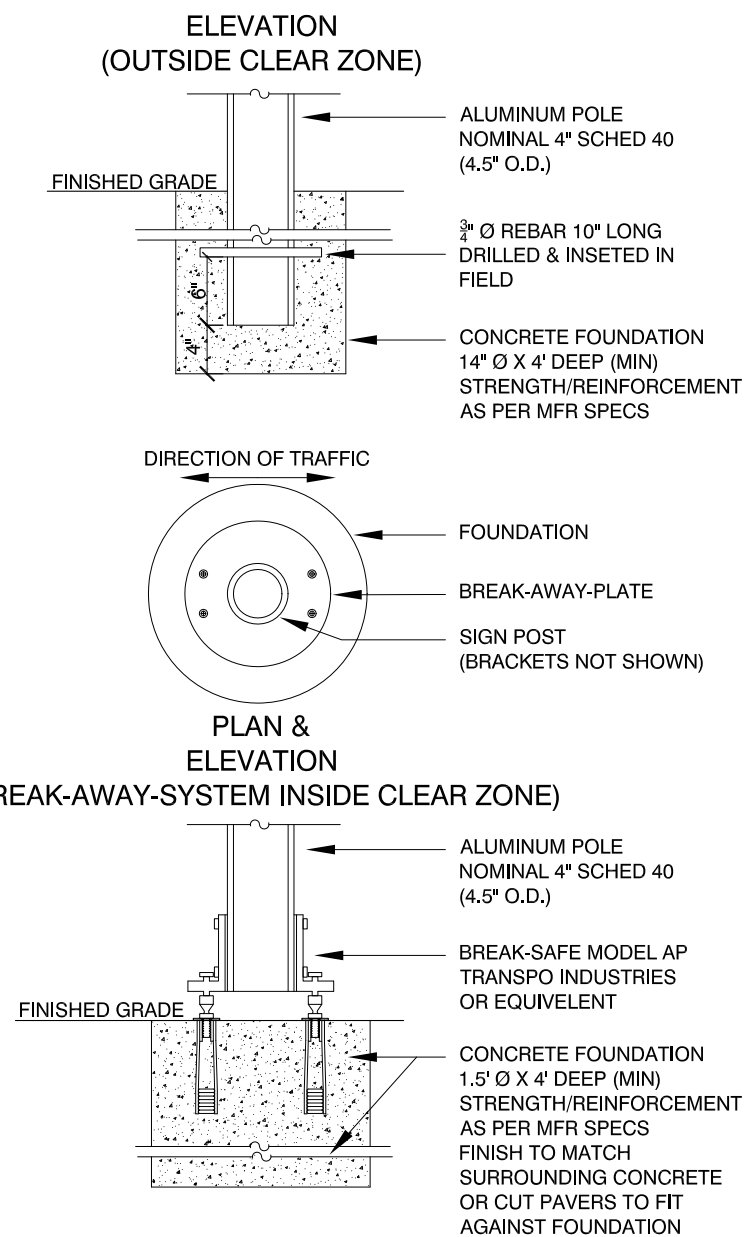
C-3.2.5.2 Type B Sign Posts

Type B galvanized sign posts shall be used for County Gateway Signs, Municipal Gateway Signs, District Information Signs and some Vehicular Directional Signs. Refer to Proposed Wayfinding Signage Table (Appendix A) to determine whether a Vehicular Directional Sign will utilize Type B sign posts or a round aluminum post. Refer to NYSDOT Standard Specifications (USC) and standard sheets for materials and installation methods for signs utilizing Type B sign posts, including concrete foundations. Per Sections 645 – Signs, the Contractor shall install Type B sign posts, breakaway bases, hinge assemblies and foundations in accordance with the details shown on the standard sheets or the manufacturer's approved materials details. The sign post type, size and number to be installed shall be determined by the Contractor based on conditions at the final location approved by the Project Manager. The Contractor shall determine the required moment resistance for the Type B sign post(s) based on the wind loads indicated in '645-3.01A. Wind Loads and verify the sign post type, size, number, hinge capacity and 7 feet wheel path criteria. The Type B W150x14 sign post shall be used unless Contractor's calculations determine that a larger Type B post is required.

C-3.2.5.3 Round Aluminum Sign Posts

Where existing posts are not utilized, round Aluminum sign posts (4" nominal diameter, schedule 40) shall be used for Parking Information Signs, Vehicular Directional Signs and Pedestrian Directional Signs. Posts must include a break-away system if located within the clear zone (typically within 2' from the face of the curb). See Foundation detail for round aluminum post below.

ROUND POST FOUNDATION DETAILS



C-3.3 Kiosks

C-3.3.1 Instructions

1. The locations of the proposed Interpretive and Pedestrian/Bicycle Kiosks shown in the contract documents are approximate. The Contractor shall work with Project Manager to identify more specific kiosk locations. Contractor shall be responsible for identifying exact kiosk locations based on site conditions and obtaining approval from Project Manager for final locations.
2. The Contractor shall be familiar with all site conditions and shall be responsible for checking locations of all underground utilities and basements/vaults.
3. Kiosk sign panels shall be 0.5" thick Fossil Industries solid composite Custom High Pressure Laminate (CHPL), or equivalent. If Contractor proposes an equivalent material, Contractor must provide specifications to Project Manager for approval.
4. Kiosk assembly shall be as specified below.

C-3.3.2 Definitions

Double sided panel – two 0.5" thick CHPL (or equivalent) panels placed back-to-back with a clip bracket between

C-3.3.3 Submittals

1. Contractor shall supply a sample of the CHPL (or equivalent) panel for verification of color and resolution.
2. Contractor shall submit mounting details for (1) surface mounted kiosk and (2) in-ground mounted kiosk.

C-3.3.4 General

C-3.3.4.1 Description

Under Section C-3.3, the Contractor shall furnish and install Interpretive Kiosks and Pedestrian/Bicycle Kiosks, as shown in the contract documents or as directed by the Project Manager.

C-3.3.4.2 Materials

As indicated in the contract documents.

C-3.3.4.3 Method of Measurement

The quantity of kiosks to be paid for under this item will be the number of kiosks furnished and installed as indicated in the contract documents or as directed by the Project Manager.

C-3.3.4.4 Basis of Payment

The unit price bid per kiosk furnished and installed will include the cost of all labor, freight, materials, hardware, paint, and equipment necessary to satisfactorily complete the work.

C-3.3.5 Materials & Fabrication

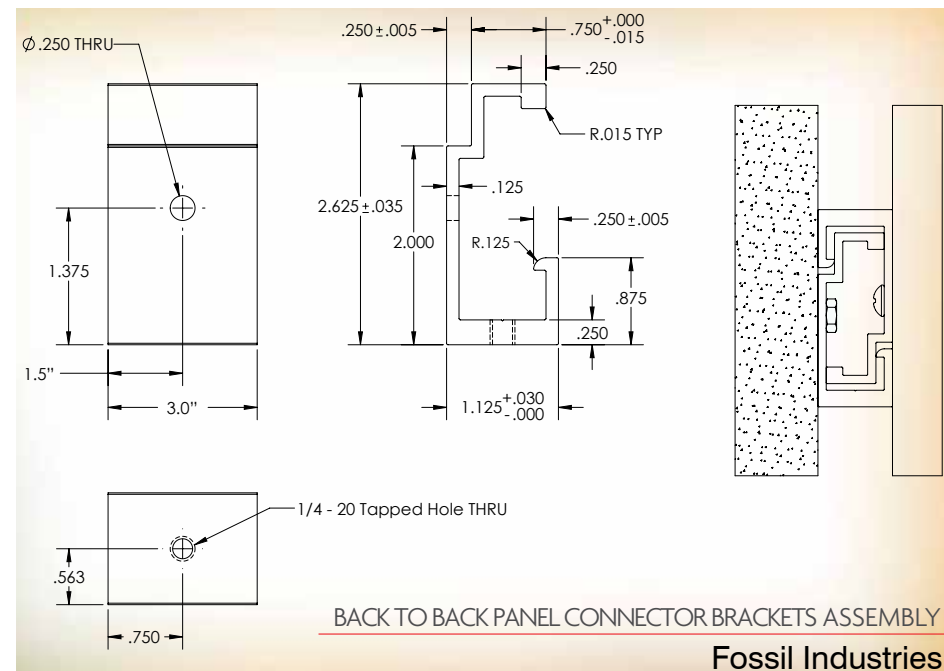
C-3.3.5.1 Sign Panels

Kiosk sign panels shall be 0.5" thick Fossil Industries solid composite Custom High Pressure Laminate (CHPL), or equivalent, printed with a 12 color HD process. Project Manager will provide files for each sign panel per the Fossil Industries File Prep Guidelines. If Contractor proposes an equivalent panel material, Contractor must provide specifications to Project Manager for approval.

C-3.3.5.2 Kiosk Assembly

The kiosk assembly shall be the Fossil Industries Upright Double Pedestal sign assembly, or equivalent. If Contractor proposes an equivalent kiosk assembly, Contractor must provide specifications to Project Manager for approval. Kiosk assembly shall be double sided. Kiosk assembly shall utilize back to back panel connectors,

BACK TO BACK PANEL CONNECTOR BRACKETS DETAIL (2)



or equivalent. Each panel will be recessed from the outside face of the posts approximately 0.75". Posts shall be aluminum with black powder coating.

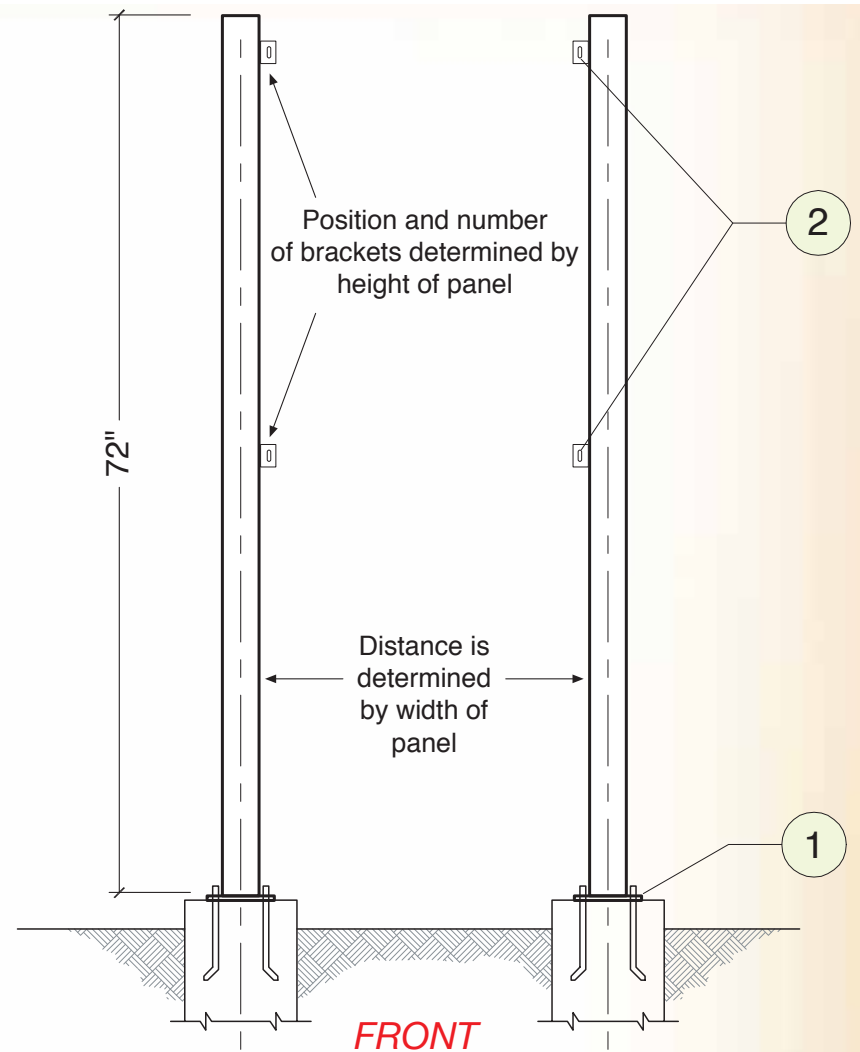
C-3.3.6 Installation

C-3.3.6.1 Kiosks

Kiosks may be surface mounted or in-ground mounted, depending on the final kiosk location approved by the Project Manager. Contractor shall determine whether surface mounting or in-ground mounting is most appropriate on a case by case basis and submit to Project Manager for approval. The following details provide general mounting information. Contractor shall submit mounting details for approval by project manager. The size of the concrete footer for each mounting type shall be engineered by the contractor and submitted to the project manager for approval.

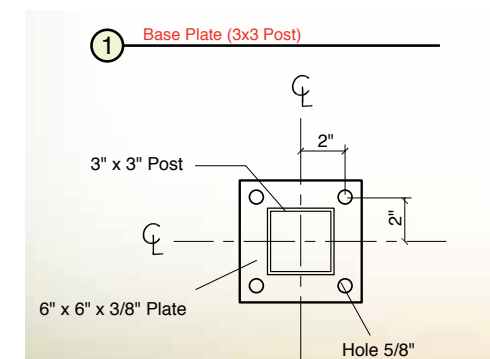
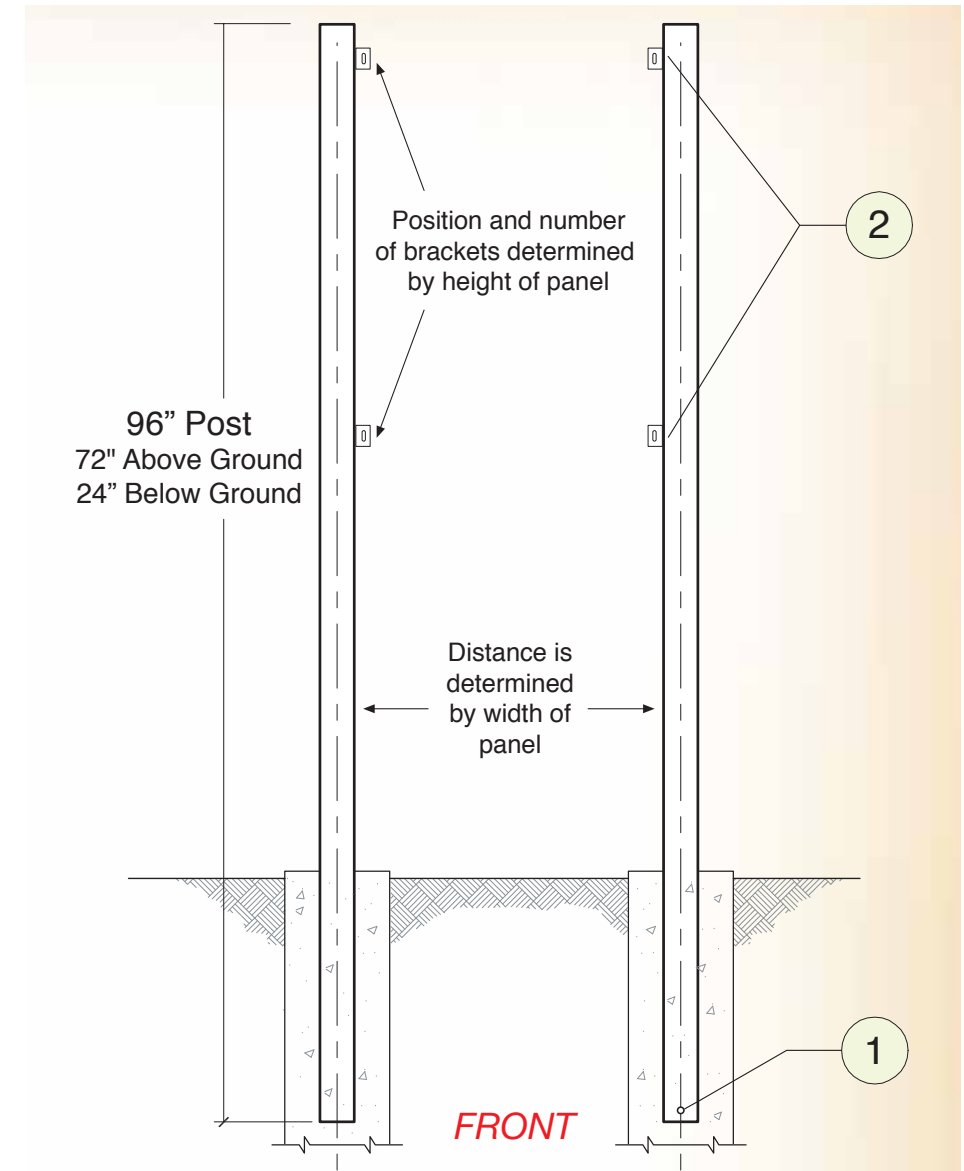
C-3.3.6.1a Surface Mount

UPRIGHT DOUBLE POST PEDESTAL - SURFACE MOUNT DETAIL (Fossil Industries)



C-3.3.6.1b In-Ground Mount

UPRIGHT DOUBLE POST PEDESTAL - IN-GROUND MOUNT DETAIL (Fossil Industries)



C-4 Permitting Requirements

Permitting Process for Sign Installation/Removal

The following is a summary of the state, county and local requirements for the installation and removal of signage. The contractor shall be responsible for ensuring the requirements of the state, county and local municipalities are met. A map identifying state and county roads is included at the end of this section for reference. The jurisdiction for each sign is included in the Proposed Wayfinding Signage Table in Appendix A.

NYSDOT

For the installation or removal of signs within the The NYSDOT also requires proof of insurance from the contractor via PERM17. If the County is listed on the permit application with the contractor, there is no fee for the work. When the time comes to do the actual work, the county and contractor should submit the plans and permit application. The NYSDOT will review them and then issue a permit. A permit could typically be issued within a week or two.

Tompkins County

Tompkins County does not require any additional permits/ approvals for vehicular signs to be installed or removed along state routes in the county. For signs to be installed or removed along county roads, the contractor will need to submit a permit application and proof of insurance.

City of Ithaca

Within the City of Ithaca, many state routes run along city streets with city jurisdiction. The exception is parts of State Route 13, which has state jurisdiction. The City will work with the project manager and contractor to identify which streets have city or state jurisdiction. The City requires that sign design and signage plans are submitted to Superintendent's Office for review by Board of Public Works. A permit and insurance are required for the contractor to do work within a city right-of-way.

Town of Caroline

Within the Town of Caroline, most of the proposed signs are along state routes and county roads; one sign is proposed along a local road (Central Chapel Rd south of Old 76 Rd). The Town does not have any requirements in addition to those of the state or county. The Town asks that, for local roads, the sign location is marked on site for review by the highway department. The interpretive kiosk at the existing pull-off on the State Route 79 near the county line is within the NYSDOT right-of-way, so NYSDOT requirements apply.

Town of Danby

In the Town of Danby, the proposed signage is only along state routes (96/34 and 96B). The Town does not have any requirements in addition to those of the state. The interpretive kiosk at the existing pull-off on the State Route 96B near the county line is within the NYSDOT right-of-way, so NYSDOT requirements will apply.

Town of Dryden

In the Town of Dryden, the proposed signage is only along state routes and county roads. The Town does not have any requirements in addition to those of the state and county. The interpretive kiosk at the existing pull-off on the State Route 13 near the county line is within the NYSDOT right-of-way, so NYSDOT requirements will apply.

Town of Enfield

In the Town of Enfield, the proposed signage is only along state routes (79 and 327). The Town does not have any requirements in addition to those of the state and county.

Town of Ithaca

In the Town of Ithaca, all of the proposed signage is on state routes and county roads. The Town does not have any requirements in addition to those of the state and county. If vehicular signs were to be installed on local roads, a permit must be submitted to Public Works Dept. The contractor must also be fully insured to work within a town right-of-way. There are a number of Town roads where the right-of-way is not owned but it is a "use by right", so depending on the size of the new signs, easements may be required. With respect to the interpretive kiosk at the existing pull-off on the west side of State Route 96B, placement at the parking area would require NYSDOT approval; however, part of the parking area is outside the state right-of-way and, therefore, final placement of the kiosk may require easements.

Town of Lansing

In the Town of Lansing, proposed signage is only along state routes (34 and 34B). The Town does not have any requirements in addition to those of the state and county.

Town of Newfield

In the Town of Newfield, the majority of the proposed signage is on State Route 13. On local roads, one sign is on Main Street near intersection with Bank Street east of Newfield Hamlet and another on Bank Street just off of route 13 west of Newfield Hamlet. The Town does not have any requirements in addition to those of the state and county. The Town would, however, like to review the final locations of the new signage. The interpretive kiosk at the existing pull-off near the county line on Rt 13 is within the NYSDOT right-of-way, so NYSDOT requirements will apply.

Town of Ulysses

In the Town of Ulysses, the proposed signage is along State Routes 89 and 96, with one sign on a local road (Agard Road). For signs along state routes, the Town does not have any requirements in addition to those of the state. To install signs along local roads the contractor must be insured and utilize proper traffic controls/ signing; no permit is required. With respect to the interpretive kiosk at the existing Warren Overlook on State Route 89, the issue of whom owns this site is still being determined. It may be owned by either NYSDOT or NYS Parks. Tompkins County and NYS Parks are currently researching the ownership status.

Village of Cayuga Heights

In the Village of Cayuga Heights, the proposed signage is along local roads (one on N. Triphammer Rd. and two on Hanshaw Rd.). For vehicular signs to be installed along local roads in the town, the owner of the sign would be required to apply for a permit/ license at with me as the Superintendent of Public Works, unless the Village is the owner. A permit will be issued with conditions that the maintenance of the sign is the responsibility of the owner, and that the Village reserves the right to request the sign be removed/ relocated in the future to accommodate Village purposes. There is a \$25 fee for each permit. The application is available to download from the Village's website www.cayuga-heights.ny.us under code enforcement. The application must be submitted in person and by appointment only.

Village of Dryden

In the Village of Dryden, the proposed signage is only along state routes (13, 38 and 392). The Town does not have any requirements in addition to those of the state.

Village of Freeville

Three municipal gateway signs are proposed to replace the existing village gateway signs. These signs are located along State Routes 38 and 366. The Village does not have any requirements besides submitting the required DOT permits.

Village of Groton

Two municipal gateway signs are proposed along State Routes 38 and 222. The Village does not have any requirements in addition to those of the state, but the Village would like to be part of discussion regarding specific locations for the signs. Contact Chuck Rankin, Village Clerk-Treasurer/Administrator.

Village of Lansing

In the Village of Lansing, the proposed signage is along State Routes 34 and 13, County Roads 121 (Warren Road) and 124 (Brown Road), as well as two signs on the local road North Triphammer. The Village does not have any requirements in addition to those of the state and county, nor does the Village have any requirements for installation of signage on local roads. The Village would, however, like to review the final locations of all new signage.

Village of Trumansburg

In the Village of Trumansburg, two municipal gateway signs are proposed to replace the existing green and white NYSDOT municipal boundary signs. These will be on State Route 96 in the same locations as present. In addition to state requirements, the contractor must submit a signage plan to the village board for approval for the sign replacement.

NYS Parks

The project proposes the replacement of one vehicular sign along State Route 89 within Taughannock Falls State Park, west of Taughannock Park Road. Jeff McDonald, Capital Facilities Manager for NYS Parks Finger Lakes Region, says that the new sign will be fine and that there are no additional requirements beyond NYSDOT requirements.

Contacts for Sign Installation/Removal









Agency/Municipality	Name (Title)	Email	Phone
NYSDOT	Betsy Parmley (Civil Engineer, project contact)	Elizabeth.Parmley@dot.ny.gov	315-428-4382
NYSDOT	Jim Lawler (Regional Sign Engineer)	Jim.Lawler@dot.ny.gov	315 428-4312
Tompkins County	John Lampman (Highway Division)	jlampman@tom-pkins-co.org	607-274-0307
City of Ithaca	Michael Thorne (Supt. Of Public Works)	mthorne@cityofithaca.org	607 274-6530
City of Ithaca	Tim Logue (City Transportation Engineer)	tlogue@cityofithaca.org	607 274-6535
Town of Ithaca	Jim Weber (Highway Superintendent)	JWeber@town.ithaca.ny.us	607-273-1656
Town of Lansing	Jack French (Highway Superintendent), Lynn Day (Code Enforcement)	lanshwy@twcny.rr.com, lday8@twcny.rr.com	607-533-4328, 607-533-7054
Town of Dryden	Rick Young (Highway Superintendent), Jane Nicholson (Dir. of Planning)	townhighway@dryden.ny.us, jane@dryden.ny.us	607-844-8888
Town of Groton	Richard Case (Highway Superintendent)		607-898-3110
Town of Ulysses	Jim Meeker (Highway Superintendent)	touhighway@centralny.twcbc.com	607-387-6230
Village of Trumansburg	Dana Swick (DPW Supervisor)	dpwsuper@trumansburg-ny.gov	607-387-5618
Village of Cayuga Heights	Brent Cross (DPW Superintendent)	bcross@cayuga-heights.ny.us	607 257-5536
Village of Freeville	Pat Brennan (Highway & Public Works Manager)		607 745-8110
Town of Newfield	Harry Wright (Code Enforcement)	codeofficer@newfieldny.org	607 327-1849
Town of Caroline	Cindy Whittaker (Highway Superintendent)	Highway_Superintendent@townofcaroline.org	607 539-7610
Town of Danby	Carl Seamon (Highway Superintendent)	highway@town.danby.ny.us	607 272-9169
Town of Enfield	Barry "Buddy" Rollins, Sr. (Highway Superintendent)	rollins4enfield@juno.com	607 272-6490
Village of Groton	Chuck Rankin (Clerk-Treasurer/Administrator)		607 898-3966
Village of Lansing	John Courtney (Superintendent of Public Works)	dpw@vlansing.org	607 257-0424
Village of Dryden	Ron Moore (Superintendent of Public Works)	DPWDryden@frontiernet.net	607 844-8865
NYS Office of Parks, Recreation & Historic Preservation (NYS Parks) Regional Office	Jeff McDonald (Capital Facilities Manager)		607 387-7041

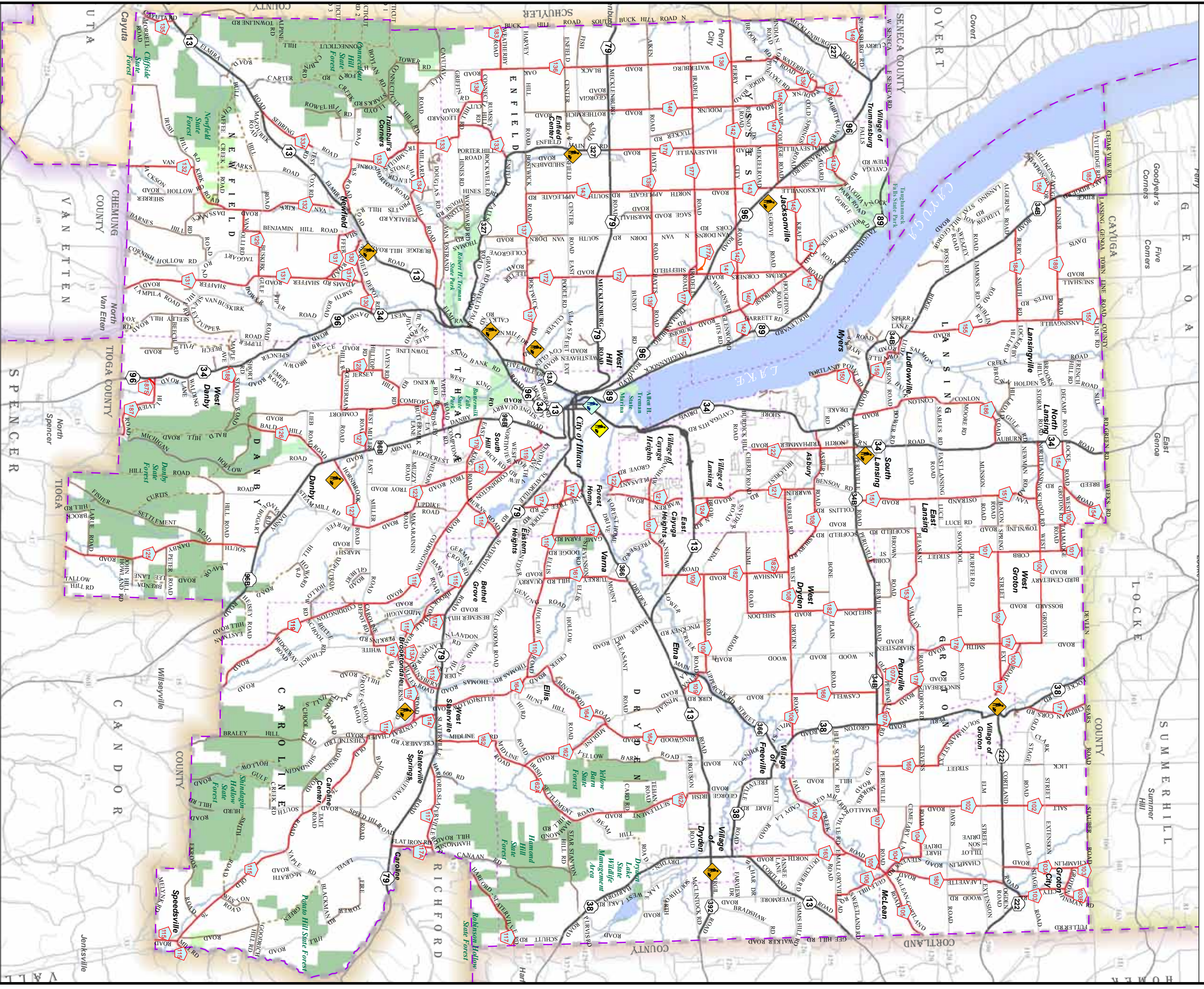
TOMPKINS COUNTY



New York State Plane Central
1983 North American Datum

Highway Map

-  City of Ithaca Streets & Facilities
-  New York State Dept of Transportation
-  Town Highway Departments
-  State Highways
-  County Roads
-  Local Roads
-  Unpaved Local Roads
-  Seasonal Roads



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Tompkins County
Information Technology Services
GIS Division
S. Borovska
04/14/2011

DESIGN^{based}
PLANNING
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