

Genesee-Finger Lakes Regional Critical Transportation Infrastructure Vulnerability Assessment



GENESEE TRANSPORTATION COUNCIL

Final Report

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Genesee-Finger Lakes Regional Critical Transportation Infrastructure Vulnerability Assessment

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En Español

El Consejo Genesee del Transporte asegura completa implementación del Título VI de la Ley de Derechos Civiles de 1964, que prohíbe la discriminación por motivo de raza, color de piel, origen nacional edad, género, discapacidad, o estado de ingresos, en la provisión de beneficios y servicios que sean resultado de programas y actividades que reciban asistencia financiera federal.

Table of Contents

Chapter	Page
Executive Summary	vi
Chapter 1: Introduction	1
Chapter 2: Inventory of Critical Transportation Assets	9
Chapter 3: Hazard Profiles	27
Chapter 4: Critical Transportation Infrastructure Vulnerability	88
Chapter 5: Hazard Mitigation Strategies	140

Maps	Page
Map 1: Genesee-Finger Lakes Region Study Area	4
Map 2: NYSDOT, NYS Thruway Authority, and NYS Police Critical Transportation Assets	11
Map 3: Genesee County Critical Transportation Assets	12
Map 4: Livingston County Critical Transportation Assets	13
Map 5: Monroe County Critical Transportation Assets (West)	14
Map 6: Monroe County Critical Transportation Assets (South)	15
Map 7: Monroe County Critical Transportation Assets (East)	16
Map 8: Monroe County Critical Transportation Assets (Central)	17
Map 9: Ontario County Critical Transportation Assets	18
Map 10: Orleans County Critical Transportation Assets	19
Map 11: Seneca County Critical Transportation Assets	20
Map 12: Wayne County Critical Transportation Assets	21
Map 13: Wyoming County Critical Transportation Assets	22
Map 14: Yates County Critical Transportation Assets	23
Map 15: FEMA Floodplains	33
Map 16: New York State and U.S. Federal Wetlands	34
Map 17: New York State Classification of Active Dams	35
Map 18: Annual Average Snowfall	37
Map 19: Maximum Annual Precipitation	38
Map 20: U.S. Wind Zone Map	39
Map 21: Landslide Susceptibility	42
Map 22: Spectral Acceleration of Soils	45
Map 23: Major Truck Routes	47
Map 24: Weight and/or Height Restricted Bridges	49
Map 25: Average Annual Daily Traffic (AADT)	51
Map 26: Railroad Network and Classification	52
Map 27: Genesee County Hazard Impacts on Critical Transportation Assets	56
Map 28: Livingston County Hazard Impacts on Critical Transportation Assets	59

Map 29: Monroe County Hazard Impacts on Critical Transportation Assets	63
Map 30: Central Monroe County Hazard Impacts on Critical Transportation Assets	64
Map 31: Ontario County Hazard Impacts on Critical Transportation Assets	69
Map 32: Orleans County Hazard Impacts on Critical Transportation Assets	71
Map 33: Seneca County Hazard Impacts on Critical Transportation Assets	74
Map 34: Wayne County Hazard Impacts on Critical Transportation Assets	77
Map 35: Wyoming County Hazard Impacts on Critical Transportation Assets	80
Map 36: Yates County Hazard Impacts on Critical Transportation Assets	83
Map 37: Genesee-County Lakes Region Roadway Vulnerability	103
Map 38: Genesee County Roadway Vulnerability	104
Map 39: Livingston County Roadway Vulnerability	105
Map 40: Monroe County Roadway Vulnerability	106
Map 41: Central Monroe County Roadway Vulnerability	107
Map 42: Ontario County Roadway Vulnerability	108
Map 43: Orleans County Roadway Vulnerability	109
Map 44: Seneca County Roadway Vulnerability	110
Map 45: Wayne County Roadway Vulnerability	111
Map 46: Wyoming County Roadway Vulnerability	112
Map 47: Yates County Roadway Vulnerability	113
Map 48: Genesee-Finger Lakes Region Bridge Vulnerability	117
Map 49: Genesee County Bridge Vulnerability	118
Map 50: Livingston County Bridge Vulnerability	119
Map 51: Monroe County Bridge Vulnerability	120
Map 52: Ontario County Bridge Vulnerability	121
Map 53: Orleans County Bridge Vulnerability	122
Map 54: Seneca County Bridge Vulnerability	123
Map 55: Wayne County Bridge Vulnerability	124
Map 56: Wyoming County Bridge Vulnerability	125
Map 57: Yates County Bridge Vulnerability	126
Map 58: Genesee-Finger Lakes Region Facility Vulnerability	130
Map 59: Genesee County Facility Vulnerability	131
Map 60: Livingston County Facility Vulnerability	132
Map 61: Monroe County Facility Vulnerability	133
Map 62: Ontario County Facility Vulnerability	134
Map 63: Orleans County Facility Vulnerability	135
Map 64: Seneca County Facility Vulnerability	136
Map 65: Wayne County Facility Vulnerability	137
Map 66: Wyoming County Facility Vulnerability	138
Map 67: Yates County Facility Vulnerability	139

Figures

Figure 1: Map of Wayne County Ginna Evacuation Route to Reception Centers	25
Figure 2: Map of Monroe County Ginna Evacuation Route to Reception Centers	26
Figure 3: Asset Vulnerability Assessment Scoring Methodology for Roadway Segments.....	91
Figure 4: Asset Vulnerability Assessment Scoring Methodology for Bridges	92
Figure 5: Asset Vulnerability Assessment Scoring Methodology for Facilities	93
Figure 6: New York State Thruway Detour “E” and “F”	164

Tables

Table 1: Summary of HAZNY Rankings from County All-Hazard Mitigation Plans	28
Table 2: Natural and Human-Caused Hazards Profiled	29
Table 3: New York State Classification of Active Dams	30
Table 4: Historic Flooding Events by County Since 1960	32
Table 5: Historic High Wind Events by County Since 1960	40
Table 6: NEHRP Soil Classification	44
Table 7: Genesee County Hazard Impacts on Critical Transportation Assets.....	55
Table 8: Livingston County Hazard Impacts on Critical Transportation Assets.....	58
Table 9: Monroe County Hazard Impacts on Critical Transportation Assets.....	61
Table 10: Central Monroe County Hazard Impacts on Critical Transportation Assets.....	65
Table 11: Ontario County Hazard Impacts on Critical Transportation Assets.....	68
Table 12: Orleans County Hazard Impacts on Critical Transportation Assets.....	70
Table 13: Seneca County Hazard Impacts on Critical Transportation Assets	73
Table 14: Wayne County Hazard Impacts on Critical Transportation Assets.....	76
Table 15: Wyoming County Hazard Impacts on Critical Transportation Assets.....	79
Table 16: Yates County Hazard Impacts on Critical Transportation Assets	82
Table 17: Roadway Segments Identified as Being Highly Vulnerable	94
Table 18: Roadway Segments Identified as Being Moderately Highly Vulnerable	97
Table 19: Bridges Identified as Being Highly Vulnerable	114
Table 20: Bridges Identified as Being Moderately Highly Vulnerable	115
Table 21: Facilities Identified as Being Highly Vulnerable	127
Table 22: Facilities Identified as Being Moderately Highly Vulnerable	127
Table 23: Potential Funding Sources	176

Appendices

Appendix A: County by County List of Critical Transportation Assets.....	178
Appendix B: Results of Vulnerability Scoring of All Assets	208

EXECUTIVE SUMMARY

The crippling impact of recent major storms on our country's critical infrastructure has necessitated a change in the way we plan, design, construct, operate, and maintain our critical infrastructure elements in order to make our communities more resilient and sustainable. A series of severe weather events, including Hurricane Irene in August 2011, Tropical Storm Lee in September 2011, and Superstorm Sandy in October 2012, revealed vulnerabilities in New York State's transportation system that are currently being addressed through several state-wide planning initiatives and have further heightened the need to assess vulnerabilities of our transportation assets. Several Federal and state agencies have already begun assessing the vulnerability of their critical infrastructure in the face of climate change and have been strategizing decision-making processes to prevent or mitigate the impacts of natural and manmade hazards on our critical infrastructure.

Within the nine-county Genesee-Finger Lakes Region, county emergency management agencies have developed county-wide all-hazard mitigation plans, flooding mitigation plans, emergency management plans for specific events such as hazardous materials spills, and identified and publicized evacuation routes for the R. E. Ginna Nuclear Power Plant. However, while elements of the transportation system have been factored into all these plans, there has not been a systematic region-wide attempt to assess the vulnerability and resiliency of critical elements of the transportation network.

The policy basis for this project at the regional level is in the Long Range Transportation Plan (LRTP) 2035, which identifies planning for the impacts of climate change as one of six emerging opportunities and issues that the Genesee-Finger Lakes Region will face over the next 25 years and beyond.

The *Genesee-Finger Lakes Regional Critical Transportation Infrastructure Vulnerability Assessment* offers a regional look at critical transportation assets across the Genesee-Finger Lakes Region, profiles the natural and human-caused hazards that have the potential to impact critical transportation assets, and identify the vulnerability of these critical transportation assets in the face of such hazards. The study further goes into presenting strategies for preventing and/or mitigating the impacts of hazard events on those critical transportation assets.

Given the limited availability of funds for transportation infrastructure projects, transportation planning and management agencies are concerned with maximizing their investments. Information on hazard vulnerabilities and asset criticality provided by this study can be used by member agencies to help prioritize transportation infrastructure projects that address a broad range of issues. This means that

projects can be developed to address multiple agency objectives, including mitigating hazard impacts on the movements of people and goods and safeguarding public investments against threats. These most vulnerable critical assets and issues related to critical assets will be considered holistically during annual reviews and prioritization of potential projects by transportation agencies.

This project is the first time a systematic assessment of the region's transportation system vulnerabilities has been undertaken. The process used to conduct this assessment is modeled on the Federal Highway Administration's (FHWA) *Climate Change and Extreme Weather Vulnerability Assessment Framework*¹, which provides a guide and resources for transportation agencies seeking to understand their vulnerability to the anticipated impacts of climate change and extreme weather events. The *Framework*, in turn, is built on five pilot projects funded by the Federal Highway Administration in California, New Jersey, Virginia, Washington State, and Hawaii, as well as on the U.S. Department of Transportation *Gulf Coast Study*. These projects assessed transportation infrastructure vulnerabilities and identified strategies for strengthening infrastructure resiliency in their respective study areas. Where applicable, the experiences and lessons of these initiatives have been integrated into this project.



Critical Transportation Assets

The Federal Highway Administration (FHWA) has classified critical transportation assets into four categories:

- Infrastructure: Roads, bridges, ramps, overpasses, tunnels, etc.

¹ *Federal Highway Administration's Climate Change & Extreme Weather Vulnerability Assessment Framework*, U.S. Department of Transportation FHWA, December 2012, http://www.fhwa.dot.gov/environment/climate_change/adaptation/publications/vulnerability_assessment_framework/fhwahep13005.pdf.

- Facilities: Operations centers, headquarters buildings, district/ regional complexes, maintenance garages/ yards, fuel depots, salt storage, rest areas, weigh stations, vehicle inspection stations, toll plazas, etc.
- Equipment: Vehicles, traffic signals, Intelligent Transportation Systems field instrumentation (communications elements, traffic cameras, dynamic message signs, system sensors), etc.
- Personnel: Employees, vendors, contractors, etc.

The focus of this study is on the resiliency and vulnerability of the first two asset categories, Infrastructure and Facilities.

Since this is a regional study, the way in which it was determined whether transportation assets were critical was to focus on those that are critical to the function and operation of the *regional* transportation system. That said, critical transportation assets that were considered as part of this study include:

- Roadways consisting of a functional classification of “Minor Collector” or greater (includes Expressways, Principal Arterials, Minor Arterials, Major Collector, and Minor Collector);
- Bridges along the regional roadway network, with a callout for those that are weight and/or height restricted;
- Facilities essential to emergency response (Police, Fire, Hospitals, etc.);
- Highway garages, fueling depots, staging areas, etc.;
- Traffic and Transit Operations Centers; and,
- Emergency Operations Facilities.

Where appropriate, local roads were included as a component of the regional critical transportation infrastructure if they were deemed to provide access to a facility critical to transportation or emergency response, provide an essential regional mobility or connectivity link, provide access to an important economic center, or are part of an evacuation or detour route.

All state, county, and municipal police, fire, and highway garages/



facilities, hospitals, the Regional Traffic Operations Center in Rochester, RGRTA transit operations centers, county emergency operations facilities, and DOT communications towers were identified as being critical transportation assets, and were portrayed on the maps throughout this document.

Natural and Human-Caused Hazards

In order to understand the types and geographic extent of natural and human-caused hazards throughout the Genesee-Finger Lakes Region and to the extent to which they have the potential to impact critical transportation assets, hazard profiles were developed. Hazard profiles include a textual description explaining each hazard along with a geographical representation that identifies where the hazard is known to occur or has the potential to occur.

Further analysis described the relationship between hazard extents and critical transportation assets. Table ES-1 outlines the natural and human-caused hazards that were profiled as part of this study.



Table ES-1: Natural and Human-Caused Hazards Profiled

Natural Hazards	Human Caused Hazards
Flooding (including fluvial, lacustrine, and urban flash flooding)	Hazardous Materials Spills and Fires/ Explosions Resulting from such
Severe Storms (snow, ice, rain, etc.)	Terrorist Attacks
High Winds (straight line, downbursts, tornado)	Sabotage
Extreme Temperatures and Frequent Freeze/ Thaw Cycles	Structural Collapse
Landslides	Highway Crashes/ Incidents
Land Subsidence/ Sinkholes	Derailments
Earthquakes	

Various GIS data was obtained from New York State Thruway Authority (NYSTA), New York State Department of Transportation (NYSDOT), New York State Department of Environment and Conservation (NYSDEC), New York State Office of Emergency Management (NYSOEM), Genesee-Finger Lakes Regional Planning Council, Genesee Transportation Council, and other agencies. Information and maps were also taken from the New York State Hazard Mitigation Plan and All-County Hazard Mitigation Plans developed by each county. A more thorough analysis of GIS data combined with input from stakeholders went into identifying more specific locations or “hot spots” in each county that are known to experience hazard events and specifically addresses how hazards have been known or can be expected to impact critical transportation assets.

Critical Transportation Infrastructure Vulnerability

In order to identify the vulnerability of critical transportation assets throughout the Genesee-Finger Lakes Region, each asset was numerically scored using a database developed using Microsoft Excel and then graphically portrayed by joining the Microsoft Excel database with the GIS data.

Each critical transportation asset was scored for its vulnerability based upon the regional criticality of the asset and its exposure and sensitivity to a variety of natural and human-caused hazards. For the purposes of scoring like assets, critical transportation assets were placed into one of three categories- Roadway Segments, Bridges, or Facilities. There are four vulnerability components, as follows:

- *Criticality* – The asset is scored based on how critical it is to the regional transportation network.
- *Sensitivity* – The asset is scored based on how sensitive it is to existing or future hazards. Sensitivity is defined as the severity of the impact that a hazard event has on an asset. For instance, an asset may be exposed to a hazard only once in a while, but the impacts from that hazard event on the asset are severe.
- *Exposure* – The asset is scored based on its exposure to existing or future hazards. Exposure is defined as how often the asset is or potentially will be exposed to hazard events. Exposure variables were scored based on the following:
 - Exposure to flooding was based on identification by local officials of the areas prone to flooding.
 - Exposure to snow storms was based on annual snowfall and areas prone to Lake Effect storms.
 - Exposure to high winds was based on identification by local officials of the areas prone to high winds as well as high profile and elevated roadways or bridges.
 - Exposure to sink holes was based on USGS Evaporite and Karst Topography maps.
 - Exposure to terrorist attacks/ sabotage was based on identification by local officials of likely targets.
- *Local Input* – The asset is scored based on its local importance and as identified in a local plan or by local stakeholders as being vulnerable to hazards.

The Excel databases are set up to allow users to conduct a query to identify assets by county or by jurisdiction, allowing the databases to become working documents that agencies can use to update or customize the database or conduct more localized vulnerability assessments.

Each asset was scored according to the established scoring categories that are given to each variable (see Chapter 4). Some scores are quantitative in that they provide a score to an asset because it falls within a certain category; some scores are qualitative in that they provide a score to an asset based on input received from stakeholders or a local plan.



Each variable is then given a weight that places greater emphasis on those variables that play a larger role in making an asset critical, sensitive, exposed, or of local importance.

Once an asset is scored for a variable, the variable weight is applied to give a total variable score for that asset.

Once all the scores for a vulnerability component are tallied, a factor is applied to the vulnerability component

based on a percentage of 100% and customized to the importance of each in determining the overall vulnerability of an asset. The Exposure component receives a percentage factor of 25%, the Criticality component receives a percentage factor of 20%, the Sensitivity component receives a percentage factor of 45%, and the Local Input component receives a percentage factor of 10%, for a total of 100%.

Once all of the assets were scored, the assets were then placed into a category, based on their score, to identify their level of vulnerability. Assets for roadways, facilities, and bridges were placed into vulnerability categories as follows:

Transportation Asset Vulnerability Categories

- High Vulnerability (score of 225 or greater)
- Moderately High Vulnerability (score of 200-224)
- Moderate Vulnerability (score of 175-199)
- Moderately Low Vulnerability (score of 150-174)
- Low Vulnerability (score of under 150)

Critical Transportation Infrastructure Vulnerability Results

For the purposes of this study, focus is placed on those critical transportation assets that were identified as having a “high” or “moderately high” vulnerability as a result of the scoring exercise. In total, there were 84 roadway segments that scored as high or moderately high vulnerably (18 scored as high and 66 scored as moderately high), 20 bridges that scored as high or moderately high vulnerability (12 scored as

high and 8 scored as moderately high), and 18 facilities that score as high or moderately high vulnerability (3 scored as high and 15 scored as moderately high).

Roadway Segments

Map ES-1 portrays the vulnerability scoring of roadway segments throughout the Genesee-Finger Lakes Region. The following summarizes those roadway segments that were scored as high vulnerability.

- New York State Thruway (various segments throughout the entire study area)
- NY State Route 31 in Wayne County (between Vienna Street and Leach Road)
- I-390 (portions in Monroe and Livingston County)
- NY State Route 104 (portions in Monroe County)
- I-490 (portions in Monroe County)
- I-590 (portions in Monroe County)
- NY State Route 390 in Monroe County (between Exit 21 and Exit 22)

Bridges

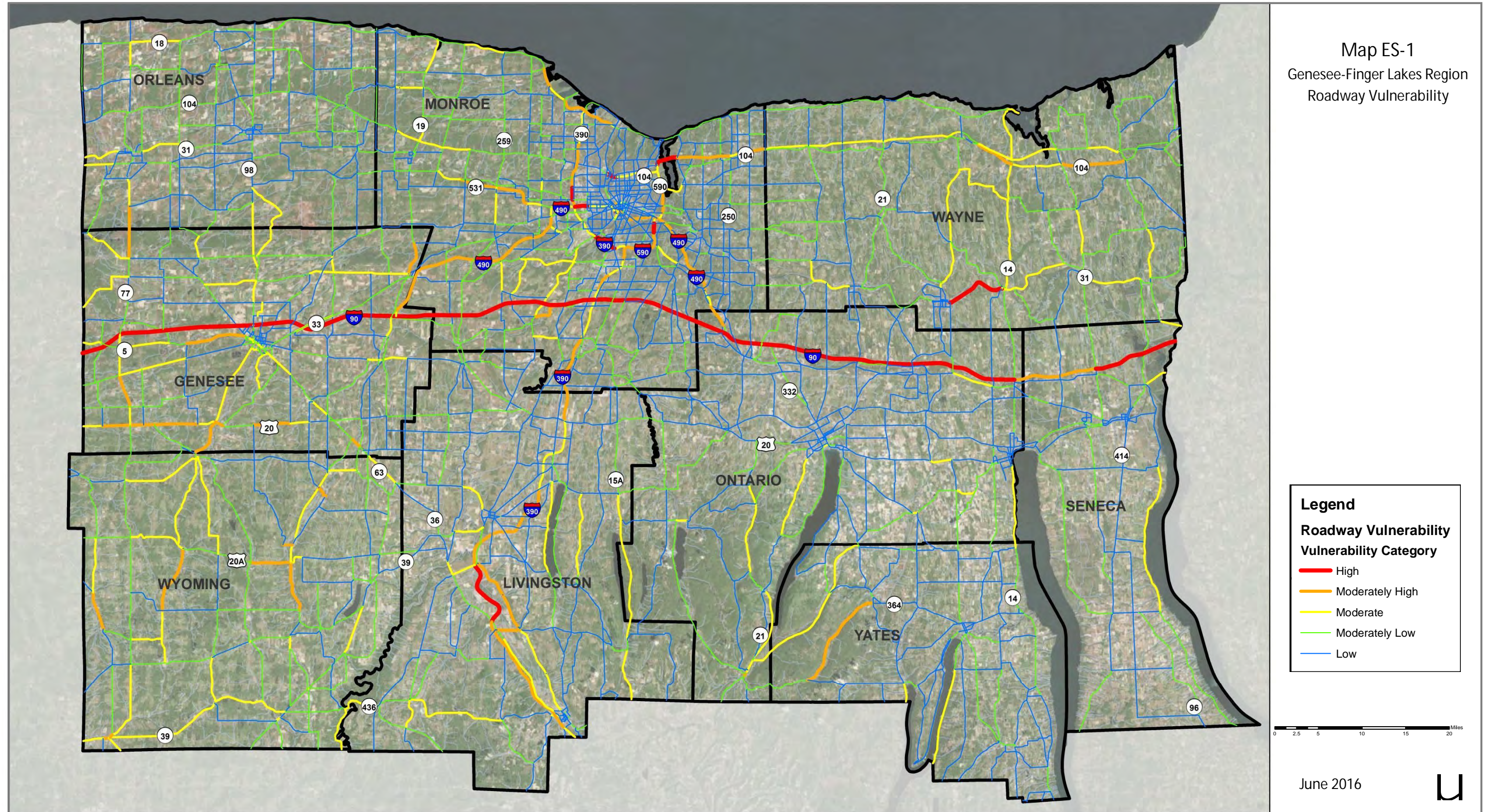
Map ES-2 portrays the vulnerability scoring of bridges throughout the Genesee-Finger Lakes Region. The following summarizes those bridges that were scored as high vulnerability.

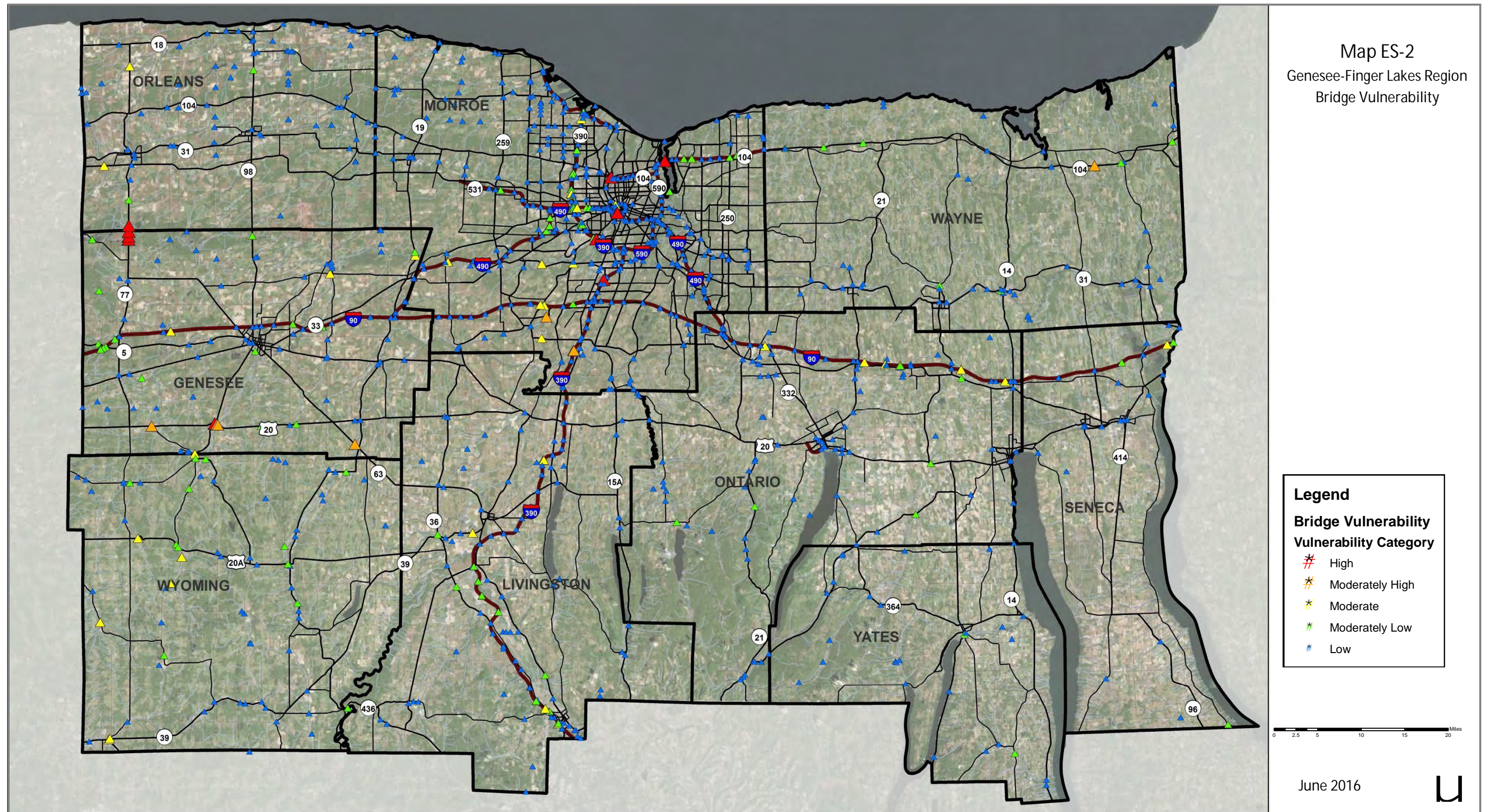
- I-390 over Genesee River in Monroe County
- NY State Route 104 over Genesee River in Monroe County (Veteran's Memorial Bridge)
- I-490 over Genesee River in Monroe County (Frederick Douglass-Susan B. Anthony Memorial Bridge)
- US 20 over NY State Route 98 in Genesee County
- I-390 over railroad in Monroe County
- NY State Route 63 in Orleans and Genesee Counties (several bridges through Oak Orchard Swamp)
- NY State Route 104 over Irondequoit Bay in Monroe County (Irondequoit Bay Bridge)

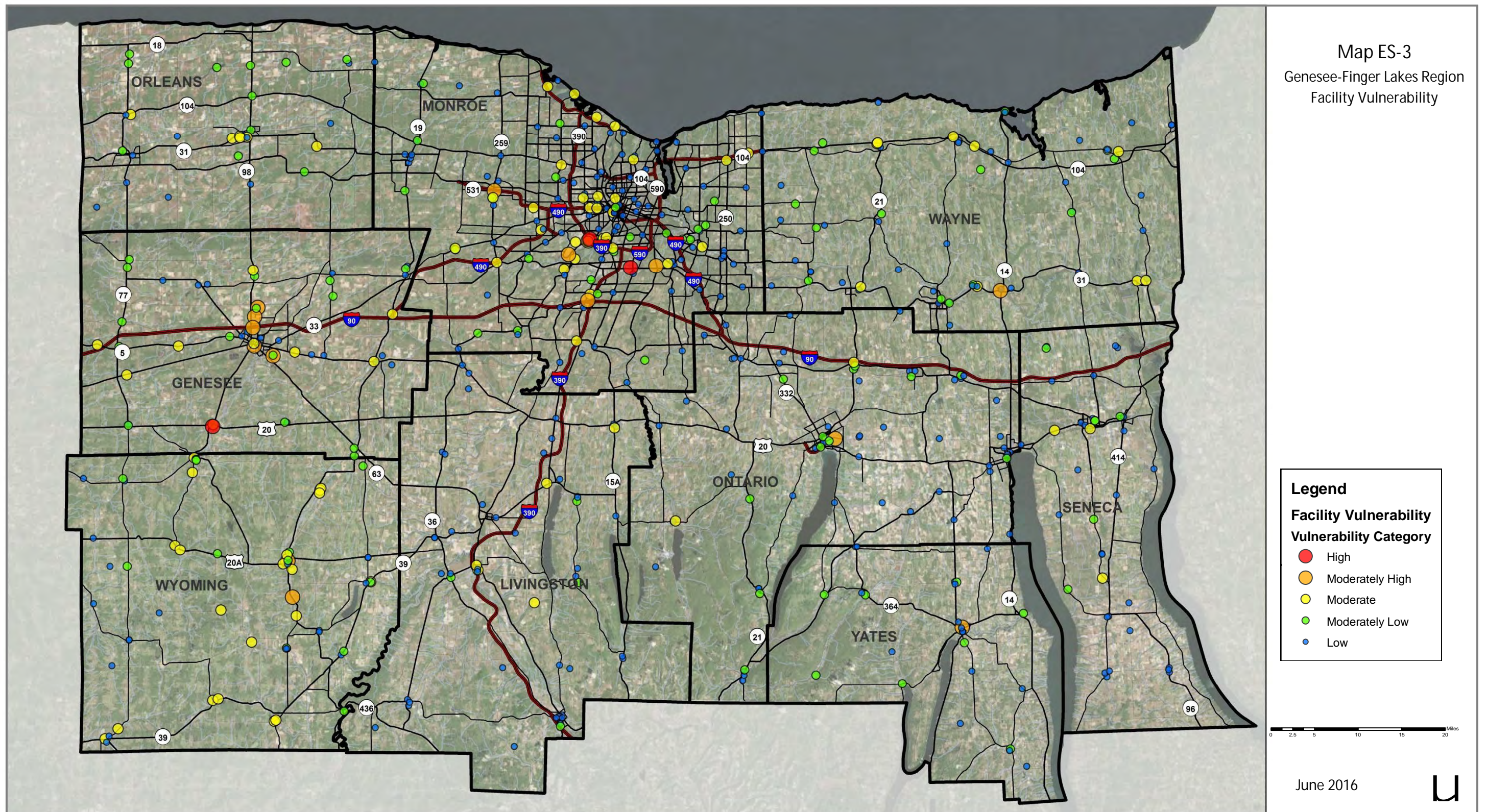
Facilities

Map ES-3 portrays the vulnerability scoring of facilities throughout the Genesee-Finger Lakes Region. The following summarizes those bridges that were scored as high vulnerability.

- NYSDOT Region 4 Office in Monroe County
- Town of Alexander Highway Garage in Genesee County
- Regional Traffic Operations Center in Monroe County







Hazard Mitigation Strategies

In its Multi-Hazard Mitigation Planning Guidance, the Federal Emergency Management Agency (FEMA) defines hazard mitigation as “any sustained action taken to reduce or eliminate long-term risk to people and property from natural and human-caused hazards and their effects².” Mitigation strategies aim to reduce or minimize potential impacts from hazard events and differ from actions taken to prepare for or respond to hazard events. The objective is that mitigation strategies minimize or potentially eliminate the need for preparedness or response actions in the future. Mitigation is different from preparedness, which is action taken to improve emergency response or operational preparedness.

As part of this study, a hazard mitigation strategy toolbox was developed to provide the Genesee Transportation Council and member agencies and municipalities with a toolbox for minimizing or eliminating the potential impacts of natural or human-caused hazard events on critical transportation assets that were identified in this study as being the most vulnerable. The toolbox identifies a broad range of options that can be employed to prevent or minimize the impacts of natural and human-caused hazards on transportation assets. Agencies should use the toolbox to identify the strategies that can be applied to their situation and develop a more customized mitigation strategy to implement.

Hazard mitigation strategies are placed into the following categories:

- *Planning and Policy* – Involves development of plans and planning processes, zoning and land use regulations, and compliance and enforcement programs.
- *Communication, Education, and Awareness* – Involves Federal, State, and local agencies getting information out to the public, media, and stakeholders about the potential for hazard events to occur as well as strategies that can aid in preventing or minimizing the impacts of hazards.
- *Infrastructure and Construction* – Are physical and/or structural improvements made to increase the resiliency of critical transportation assets in the face of natural and human-caused hazards.
- *Natural and Land Resource Protection* – Involves improvements made to natural or agricultural lands, rather than to actual transportation infrastructure, that aid in making nearby critical transportation infrastructure more resilient to the potential impacts of natural hazards.
- *Operations and Maintenance* – Involve the routine operations and maintenance activities that can be undertaken by State and local agencies to prevent or minimize the impact hazard events have on the critical transportation system.

²Multi-Hazard Mitigation Planning Guidance Under the Disaster Mitigation Act of 2000, FEMA, January 2008 (Revised).

Potential Funding Sources

The following table identifies some of the more popular funding sources and opportunities that can be used for creating a more resilient critical transportation system. The list is derived from those sources identified in the 2014 New York State Hazard Mitigation Plan as well as other known sources.

Table ES-2: Potential Funding Sources

Program	Agency	Description
Aquatic Ecosystem Restoration	Environmental Protection Agency (EPA)	Support for carrying out aquatic ecosystem restoration projects that will improve quality of the environment.
National Flood Insurance Program	FEMA	Formula grants to assist FEMA communities to comply with NFIP floodplain management requirements.
National Dam Safety Program	FEMA	Technical assistance, training, and grants to help improve State dam safety programs.
Hazard Mitigation Assistance (HMA) Program	FEMA	Grants to provide funding for eligible mitigation activities that reduce disaster losses and protect life and property from future disaster damages.
Flood Mitigation Assistance (FMA) Program	FEMA	Grants to communities for pre-disaster mitigation planning and projects to help reduce or eliminate the long-term risk of flood damage to structures insurable under the NFIP.
Hazard Mitigation Grant Program (HMGP)	FEMA	Grants to communities for planning and projects proving long-term hazard mitigation measures following a major disaster declaration.
Pre-Disaster Mitigation (PDM) Competitive Grant Program	FEMA	Grants to communities for planning and projects that provide long-term hazard pre-disaster mitigation measures.
Partners for Fish and Wildlife	U.S. Fish and Wildlife Service	Financial and technical assistance to landowners interested in pursuing restoration projects affecting wetlands and riparian habitats.
FHWA Emergency Relief Program	U.S. DOT	Funding for the repair or reconstruction of Federal-aid highways that have suffered serious damage as a result of natural disasters or catastrophic failures.
National Institute of Food and Agriculture's Disaster Resilience for Rural Communities Grant Program	U.S. Dept. of Agriculture	Advance basic research in engineering and in the social, behavioral, and economic sciences to enhance disaster resilience in rural communities.

Program	Agency	Description
Emergency Watershed Protection (EWP) Program	Natural Resources Conservation Service (NRCS)	Provides assistance to relieve imminent hazards to life and property caused by natural disasters.
Homeland Security Grant Program (HSGP)	Department of Homeland Security (DHS)	Financial assistance to communities to prevent, protect against, mitigate, respond to, and recover from acts of terrorism and other threats.
Emergency Management Performance Grants (EMPG)	DHS	Assist local and State governments in enhancing and sustaining all hazards emergency management capabilities.
New York State Emergency Services Revolving Loan	NYS Division of Homeland Security and Emergency Services (DHSES)	Assistance for repair of firefighting apparatus, ambulances, or rescue vehicles; Renovation, rehabilitation, or repair of facilities that house firefighting equipment, ambulances, rescue vehicles, and related equipment.

In addition to the above funding sources, Governor Andrew Cuomo is proposing the following transportation and infrastructure funding in his proposed 2016 State Budget:

- Launch the \$1 Billion New BRIDGE NY Program to Fix Bridges – Statewide, there are approximately 8,600 bridges, 34% of which are in poor condition. To upgrade bridges, the Governor is proposing BRIDGE NY, a new \$1 billion initiative that will provide \$500 million to help municipal governments replace, rehabilitate, and maintain vital local bridges and invest \$500 million in state-owned bridges.
- Launch a New \$500 Million Infrastructure Hardening Program – The Governor is proposing a \$500 million Extreme Weather Hardening Program to make safety and resiliency enhancements to roadways across the state that have proven to be susceptible to flooding and other extreme weather events.
- Protect Critical Infrastructure through Targeted Security Assessments – The Governor is proposing to invest \$1.3 million to fund annual security assessments of critical infrastructure and strategies to reduce the State’s vulnerability to terrorism by strengthening readiness and response.

CHAPTER 1: INTRODUCTION

Study Purpose

The purpose of the *Genesee-Finger Lakes Regional Critical Transportation Infrastructure Vulnerability Assessment* is to determine the vulnerability of the Genesee-Finger Lakes Region's critical surface transportation infrastructure assets to natural and manmade hazards and propose solutions for preventing and/or mitigating the impacts of hazard events on those assets.

Subject critical transportation infrastructure includes roads, bridges, railroads, intermodal transfer facilities, and support facilities such as state, county, and municipal police, fire, and highway facilities, traffic and transit operations centers, and emergency management centers that are crucial to the management and operation of the regional transportation system. Further, this study assesses the vulnerabilities of the regional critical transportation system and proposes strategies for preventing and/or mitigating the impacts of hazard events on those assets.

Ultimately, this study will enhance the sustainability of the regional transportation system by providing member agencies with information that will be used to strengthen the resiliency of their critical transportation assets.

Study Area

The study area consists of the nine-county Genesee-Finger Lakes Region, including Genesee, Livingston, Monroe, Ontario, Orleans, Seneca, Wayne, Wyoming, and Yates Counties, shown on Map 1 on Page 4.

The 4,700 square mile study area contains a population of approximately 1.2 million people and 540,000 jobs. The region is strongly dependent on surface transportation for both personal and freight movements. The region's highway and bridge network carries over 30 million vehicle miles per day on nearly 27,000 lane miles of roads and about 1,600 bridges. Approximately 7,300 lane miles (about 27 percent) are eligible for federal-aid funds for repairs and improvements; federal-aid eligible lane miles carry about 80 percent of the region's daily vehicle miles traveled.

The region's land use patterns and development trends are extremely diverse, ranging from dense urban areas in the City of Rochester to expansive rural areas in the outlying counties. Rochester is surrounded by extensive areas of suburban development. Three small cities (Batavia, Canandaigua, and Geneva) and dozens of villages are located in the region.

Key cultural and historical resources include the Erie Canal National Heritage Corridor, numerous state and local parks including Letchworth State Park, and an extensive regional trail network. In addition, eight of the eleven Finger Lakes are located wholly or partially within the region.

Major industries include manufacturing, agriculture, and food processing, with a growing service economy. The regional transportation system handles commodity shipments to and from major metropolitan areas including New York City, Chicago, and Toronto, and the region is within eight hours travel time of approximately one-fourth of the entire population of North America.

Study Background

National Context

This project is the first time a systematic assessment of the region's transportation system vulnerabilities has been undertaken. The process used to conduct this assessment is modeled on the Federal Highway Administration's (FHWA) *Climate Change and Extreme Weather Vulnerability Assessment Framework*³, which provides a guide and resources for transportation agencies seeking to understand their vulnerability to the anticipated impacts of climate change and extreme weather events. The *Framework*, in turn, is built on five pilot projects funded by the Federal Highway Administration in California, New Jersey, Virginia, Washington State, and Hawaii, as well as on the U.S. Department of Transportation *Gulf Coast Study*. These projects assessed transportation infrastructure vulnerabilities and identified strategies for strengthening infrastructure resiliency in their respective study areas. Where applicable, the experiences and lessons of these initiatives have been integrated into this project.

The other key conceptual sources for this project are the resources and findings of the Volpe National Transportation System Center's *Beyond Bouncing Back: A Roundtable on Critical Transportation Infrastructure Resilience* and associated *Infrastructure Resiliency: A Risk-Based Framework* white paper⁴. According to the Volpe Center, the confluence of four key factors: 1.) Climate change impacts, 2.) Accelerating growth in coastal regions, 3.) Exponential growth in the value of assets lost during catastrophic events, and 4.) Risks of global connectivity, which refers to

³ Federal Highway Administration's *Climate Change & Extreme Weather Vulnerability Assessment Framework*, U.S. Department of Transportation FHWA, December 2012, http://www.fhwa.dot.gov/environment/climate_change/adaptation/publications/vulnerability_assessment_framework/fhwahep13005.pdf.

⁴ Volpe National Transportation Systems Center, *Beyond Bouncing Back: A Roundtable on Critical Transportation Infrastructure Resilience*, U.S. Department of Transportation John A. Volpe National Transportation Systems Center, April 2013, https://www.volpe.dot.gov/sites/volpe.dot.gov/files/docs/Final%20Report_Beyond%20Bouncing%20Back.pdf.

interlinked information, trade, financial, and transportation infrastructure systems, has made contemporary society increasingly vulnerable to disruptions from both natural and human-caused hazards.



Presidential Policy Directive 21, issued by President Obama on February 12, 2013, defines resiliency as the ability to prepare for and adapt to changing conditions and withstand and recover rapidly from disruptions. Resiliency includes the ability to withstand and recover from deliberate attacks, accidents, or naturally occurring threats or incidents.



According to the Volpe Center, the foundation of a resilient transportation system is three key attributes:

1. **Robustness:** Resilient infrastructure, including both an entire system as well as individual components of that system, is designed and built to withstand disruptions and absorb unexpected shocks.
2. **Adaptiveness:** Resilient infrastructure includes redundancies that enable it to adapt to hazard impacts while maintaining structural integrity and critical functions.
3. **Consequence Mitigation:** Resilient infrastructure can resume routine operations with minimal interference from hazard impacts. Rapid recovery is paired with long-term planning for restoring infrastructure to “the new normal,” an enhanced level of protection against anticipated future hazard impacts that goes beyond simply restoring assets to their pre-hazard condition.

The approaches to identifying and addressing transportation infrastructure vulnerability laid out in the Federal Highway Administration’s *Climate Change and Extreme Weather Vulnerability Assessment Framework* and in the Volpe Center’s *Infrastructure Resiliency: A Risk-Based Framework* are universally applicable and scalable to different geographies. While the Genesee-Finger Lakes Region is not exposed to sea level rise or storm surges to the same degree as coastal regions of the United States, there are many advantages of grounding the Region’s vulnerability and resiliency planning efforts in these national initiatives.

New York State Context

A series of severe weather events, including Hurricane Irene in August 2011, Tropical Storm Lee in September 2011, and Superstorm Sandy in October 2012, revealed vulnerabilities in New York State’s transportation system that are currently being addressed through several state-wide planning initiatives.

The 2014 New York State Hazard Mitigation Plan⁵ established a general mitigation strategy for reducing the impacts of hazard events on New York State. While there is no transportation-specific component of this plan, it identifies several goals, including protecting critical infrastructure; encouraging the implementation of long-term, cost effective, and resilient projects aimed at preserving and restoring the functions of natural systems; and emphasizing sustainable construction and design measures to reduce or eliminate the impacts of natural hazards, that can guide projects aimed at strengthening transportation infrastructure resiliency.

In November 2012, following widespread damage caused by Hurricane Sandy in the New York City metropolitan area, Governor Cuomo established the New York State 2100 Commission. This Commission was charged with examining and evaluating key vulnerabilities in the State's critical infrastructure systems, including transportation, and recommending actions to improve the resilience of those systems. The Commission's report recommended developing a risk assessment for the State's transportation infrastructure, strengthening existing transportation networks, strategically expanding transportation networks to create redundancies, and enhancing guidelines, standards, policies, and procedures to build a more resilient infrastructure over time. While much of the Commission's focus was on the metropolitan New York City area and Long Island, its overall approach to strengthening transportation system resiliency and general recommendations are equally applicable to the Genesee-Finger Lakes Region.

Most recently, in the Infrastructure Program outlined in the 2016 State of the State Book, Governor Cuomo proposed establishing a \$500 million Extreme Weather Infrastructure Hardening Program to fund safety and resiliency enhancements to roads that have a demonstrated susceptibility to flooding and other extreme weather events. This proposal will invest \$60 million on improvements to the Saw Mill Parkway to address flooding issues that require repeated closure of the road, and will invest the remaining \$440 million on similar projects through the state.

The *Genesee-Finger Lakes Regional Critical Transportation Infrastructure Vulnerability Assessment* aligns transportation resiliency planning in the Genesee-Finger Lakes Region with these statewide plans, programs, and initiatives and compliments efforts to strengthen the resiliency of the State's transportation infrastructure by identifying resiliency enhancements at the regional level.

Regional Context

This study addresses the vulnerability of the region's critical surface transportation infrastructure elements to natural and human-caused hazards as well as potential weather-related impacts of climate change. Current emergency response plans in the region designate floods, ice events, and

⁵ 2014 New York State Hazard Mitigation Plan, New York State Division of Homeland Security and Emergency Services, January 2014, <http://www.dhses.ny.gov/recovery/mitigation/documents/2014-shmp/2014-SHMP-full.pdf>.

snowstorms as major natural hazards of concern. Each of these hazards present unique impacts on infrastructure and community transportation needs, particularly in the aftermath of a major event. As discussed above, in the wake of major storm events such as Hurricane Irene and Superstorm Sandy, there is a growing interest throughout New York State in planning and building transportation infrastructure that has greater resiliency to extreme weather events, such as extreme heat and heavy precipitation, which may occur with increasing frequency as a result of long-term climatic shifts.

Extreme weather events will place greater strains on the region's transportation infrastructure, driving up operations, maintenance, and repair costs. Increasing the resiliency of transportation infrastructure will reduce these expenses as well as those associated with disaster response and recovery operations. It will also better prepare transportation management and emergency response agencies for potential non-traditional uses of the transportation system, such as evacuations and the distribution of relief supplies and equipment. All of these activities will contribute to the ultimate goals of safeguarding lives and property in the event of a hazard incident.

Within the region, county emergency management agencies have developed county-wide all-hazard mitigation plans, emergency management plans for specific events such as hazardous materials spills, and identified and publicized evacuation routes for the R. E. Ginna Nuclear Power Plant. However, while elements of the transportation system have been factored into all these plans, there has not been a systematic region-wide attempt to assess the vulnerability and resiliency of critical elements of the transportation network.

The policy basis for this project at the regional level is in the Long Range Transportation Plan (LRTP) 2035, which identifies planning for the impacts of climate change as one of six emerging opportunities and issues that the Genesee-Finger Lakes Region will face over the next 25 years and beyond. The plan states that "evaluation of the vulnerability of critical infrastructure to impacts resulting from more severe and intense weather events, including storms and corresponding flooding, needs to be conducted so that the reconstruction and replacement of these facilities includes design features and operations and management capabilities that account for these impacts." This project is the response

The policy basis for this project at the regional level is in the Long Range Transportation Plan (LRTP) 2035, which identifies planning for the impacts of climate change as one of six emerging opportunities and issues that the Genesee-Finger Lakes Region will face over the next 25 years and beyond.

to the documented need for a region-wide critical transportation infrastructure vulnerability assessment.

Given the limited availability of funds for transportation infrastructure projects, transportation planning and management agencies are concerned with maximizing their investments. Information on hazard vulnerabilities and asset criticality provided by this study can be used by member agencies to help prioritize transportation infrastructure projects that address a broad range of issues. This means that projects can be developed to address multiple agency objectives, including mitigating hazard impacts on the movements of people and goods and safeguarding public investments against threats.

Study Participants

The participants of this study include planning, transportation, and emergency management representatives from Genesee, Livingston, Monroe, Ontario, Orleans, Seneca, Wayne, Wyoming, and Yates counties and the City of Rochester; New York State Department of Transportation (NYSDOT); New York State Thruway Authority (NYSTA); New York State Police (NYSP); local and county law enforcement agencies, Rochester- Genesee Regional Transportation Agency (RGRTA), and Genesee Transportation Council (GTC).

Participants served on a Steering Committee, which met in a series of three meetings. The first two rounds of Steering Committee meetings were broken out by geography, to include:

- Meetings to cover Monroe County and City of Rochester held at the Monroe County Public Safety Training Facility;
- Meetings to cover the Western Counties (Orleans, Genesee, Wyoming, and Livingston) held at the Genesee County Emergency Management Office and Genesee County Highway Department; and,
- Meetings to cover the Eastern Counties (Wayne, Ontario, Seneca, and Yates) held at the Ontario County Safety Training Facility.

The third Steering Committee meeting was held at the Monroe County Public Safety Training Facility and covered the entire nine-county Genesee-Finger Lakes region.

Where necessary, follow up meetings were held with various Steering Committee members to focus discussion on specific counties or agency-owned assets.

CHAPTER 2: INVENTORY OF EXISTING CRITICAL TRANSPORTATION ASSETS

Based upon information collected from existing plans and studies, input received from stakeholders participating in one of the Steering Committee meetings, and follow up information received from state, county, and local agencies after the Steering Committee meetings, an inventory of existing critical transportation infrastructure/ assets was developed.

The FHWA has classified critical transportation assets into four categories:

- Infrastructure: Roads, bridges, ramps, overpasses, tunnels, etc.
- Facilities: Operations centers, headquarters buildings, district/ regional complexes, maintenance garages/ yards, fuel depots, salt storage, rest areas, weigh stations, vehicle inspection stations, toll plazas, etc.
- Equipment: Vehicles, traffic signals, Intelligent Transportation Systems field instrumentation (communications elements, traffic cameras, dynamic message signs, system sensors), etc.
- Personnel: Employees, vendors, contractors, etc.

The focus of this study is on the resiliency and vulnerability of the first two asset categories, Infrastructure and Facilities.

Since this is a regional study, the way in which it was determined whether transportation assets were critical was to focus on those that are critical to the function and operation of the *regional* transportation system. That said, critical transportation assets that were considered as part of this study include:

- Roadways consisting of a functional classification of “Minor Collector” or greater (includes Expressways, Principal Arterials, Minor Arterials, Major Collector, and Minor Collector);
- Bridges along the regional roadway network, with a callout for those that are weight and/or height restricted;
- Facilities essential to emergency response (Police, Fire, Hospitals, etc.);
- Highway garages, fueling depots, staging areas, etc.;
- Traffic and Transit Operations Centers; and,
- Emergency Operations Facilities.

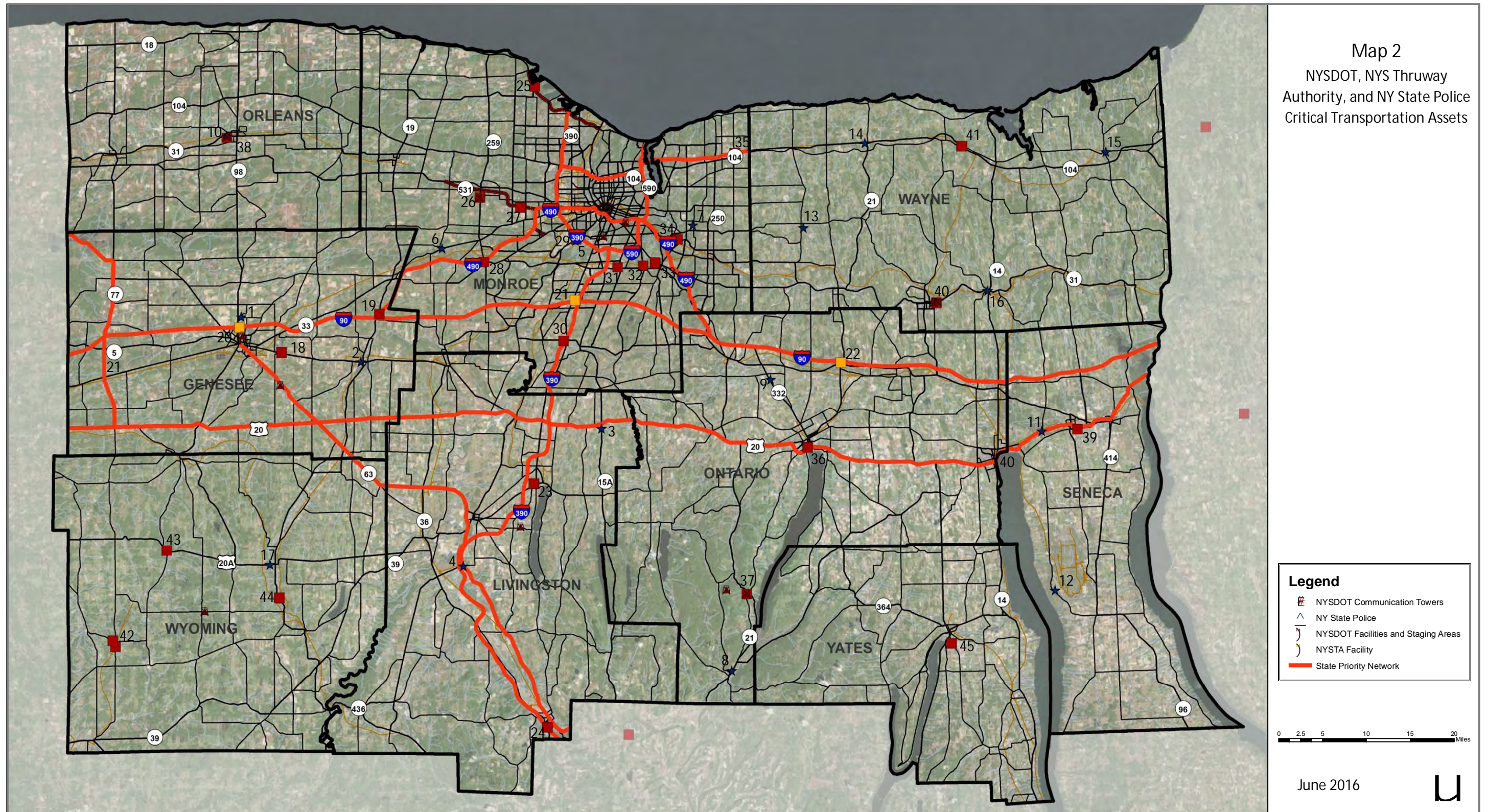
Where appropriate, local roads were included as a component of the regional critical transportation infrastructure if they were deemed to provide access to a facility critical to transportation or emergency response, provide an essential regional mobility or connectivity link, provide access to an important economic center, or are part of an evacuation or detour route.

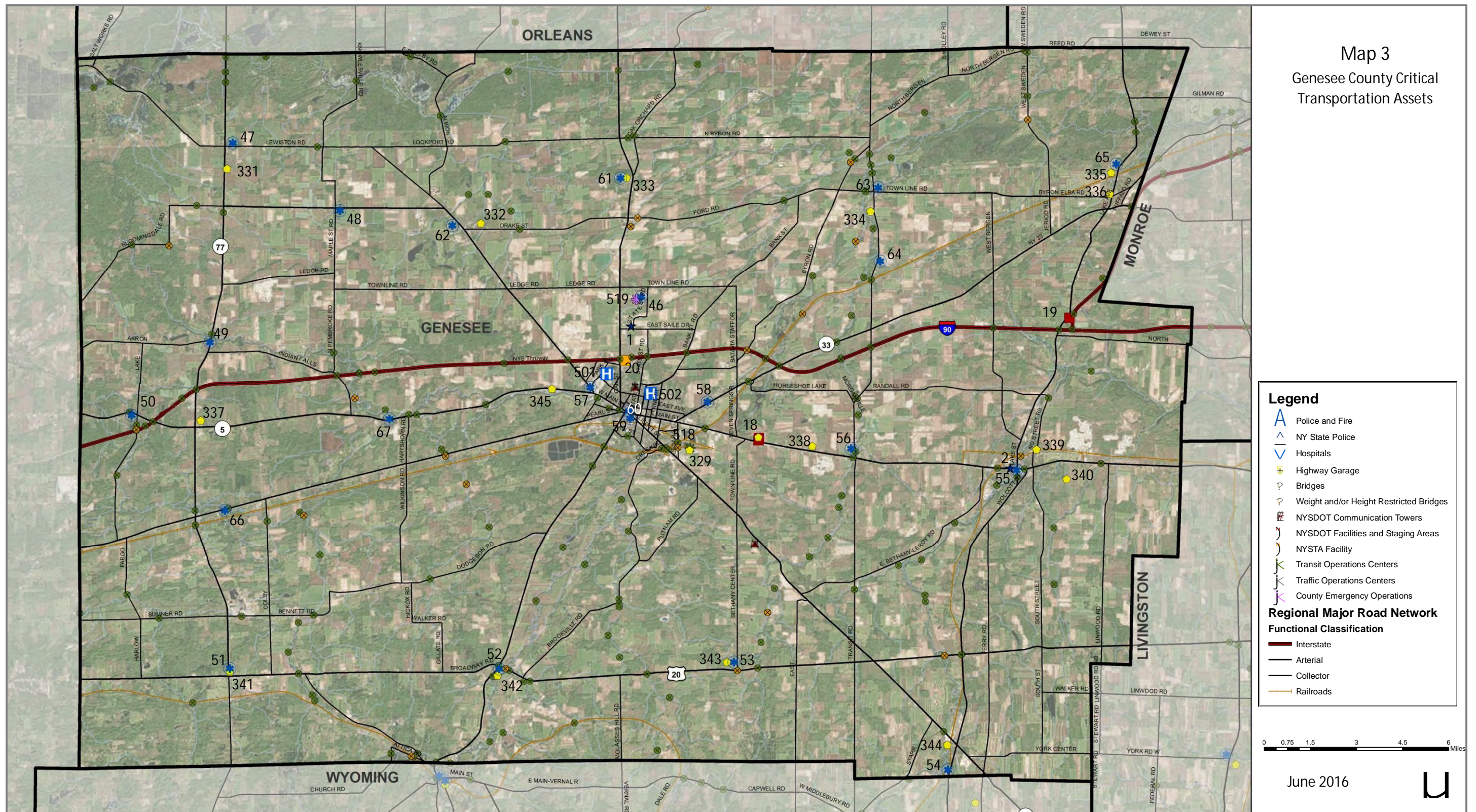
All state, county, and municipal police, fire, and highway garages/ facilities, hospitals, the regional traffic operations center in Rochester, RGRTA transit operations centers, county emergency operations facilities, and DOT communications towers were identified as being critical transportation assets, and were mapped in the following county maps.

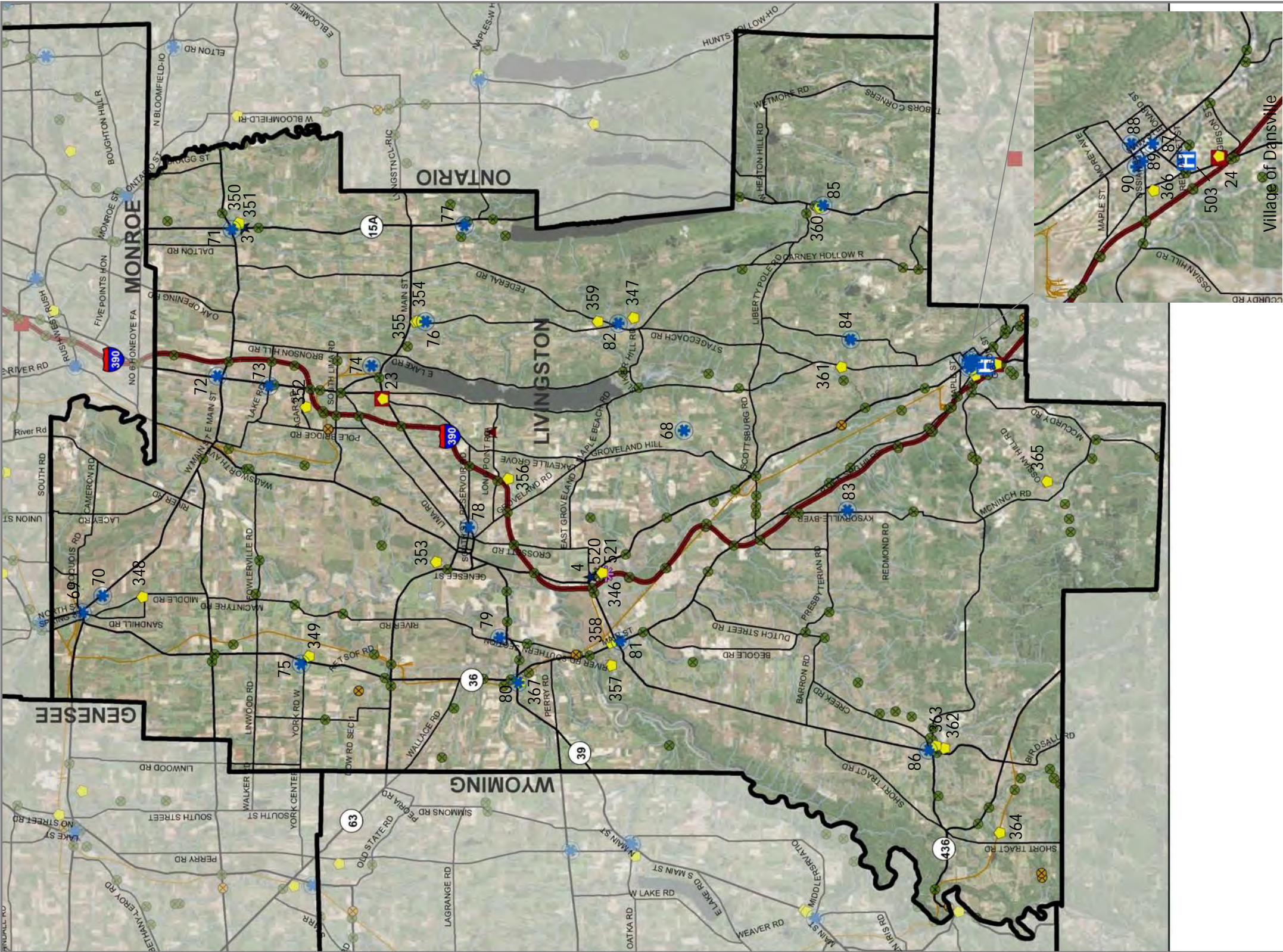


The maps on the following pages identify the existing critical transportation assets of the Genesee-Finger Lakes Region. Assets were identified using a combination of land ownership data from the New York State Real Property System and based upon input from stakeholders. Assets are listed by state agencies and counties in Appendix A and correspond to the locations on the respective maps by the map label giving to each asset. Where an asset location is shown but not labeled, it is possible that the land is owned by the agency but there is no asset at that location.

- Map 2: NYSDOT, NYS Thruway Authority, or NYS Police Regional Critical Transportation Assets
- Map 3: Genesee County Critical Transportation Assets
- Map 4: Livingston County Critical Transportation Assets
- Map 5: Monroe County Critical Transportation Assets (West)
- Map 6: Monroe County Critical Transportation Assets (South)
- Map 7: Monroe County Critical Transportation Assets (East)
- Map 8: Monroe County Critical Transportation Assets (Central)
- Map 9: Ontario County Critical Transportation Assets
- Map 10: Orleans County Critical Transportation Assets
- Map 11: Seneca County Critical Transportation Assets
- Map 12: Wayne County Critical Transportation Assets
- Map 13: Wyoming County Critical Transportation Assets
- Map 14: Yates County Critical Transportation Assets







Legend

Police and Fire

NY State Police

Hospitals

Highway Garage

Bridges

Weight and/or Height Restricted Bridges

NYSDOT Communication Towers

NYSDOT Facilities and Staging Areas

NYSTA Facility

Transit Operations Centers

Traffic Operations Centers

County Emergency Operations

Interstate

Arterial

Collector

Railroads

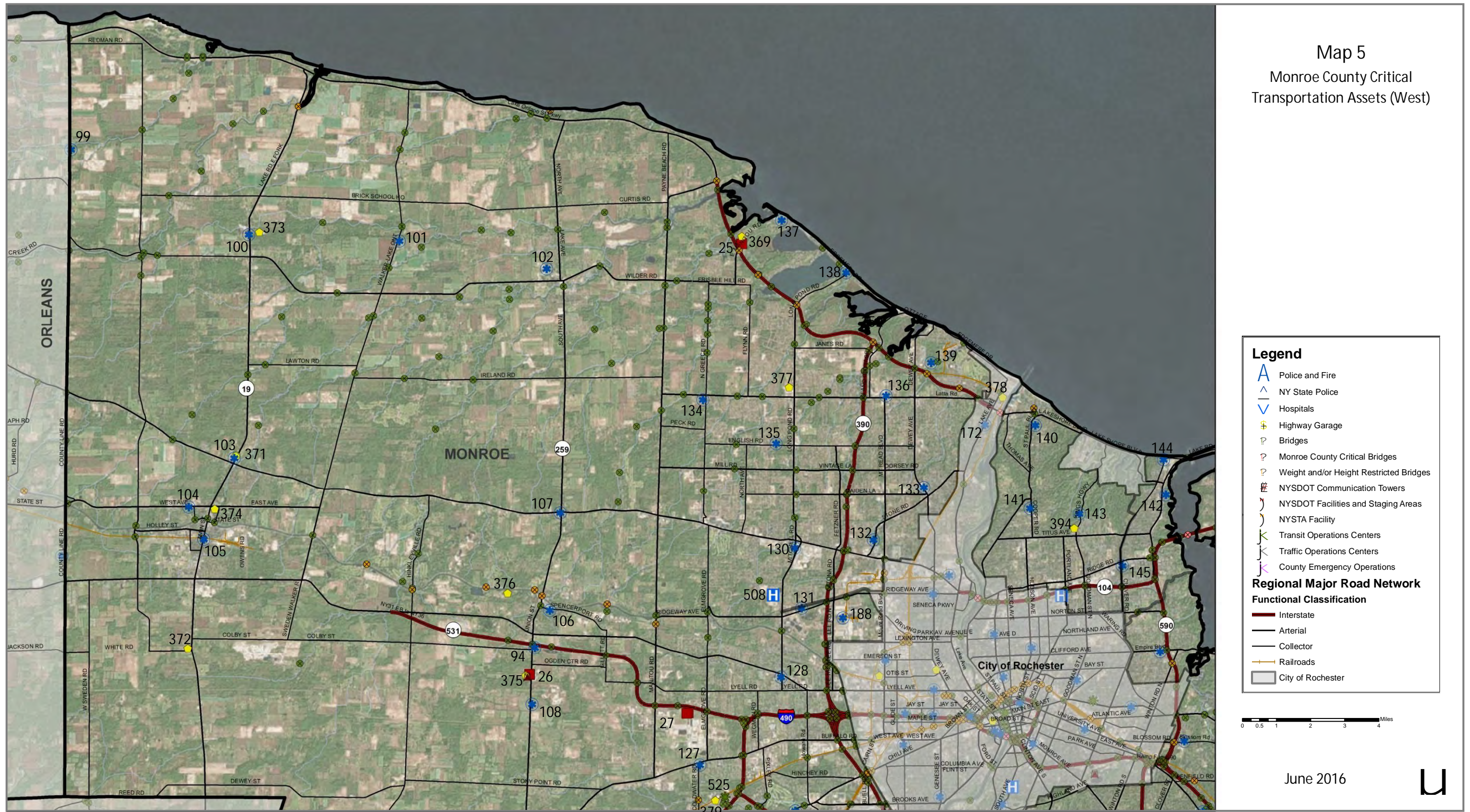
Regional Major Road Network

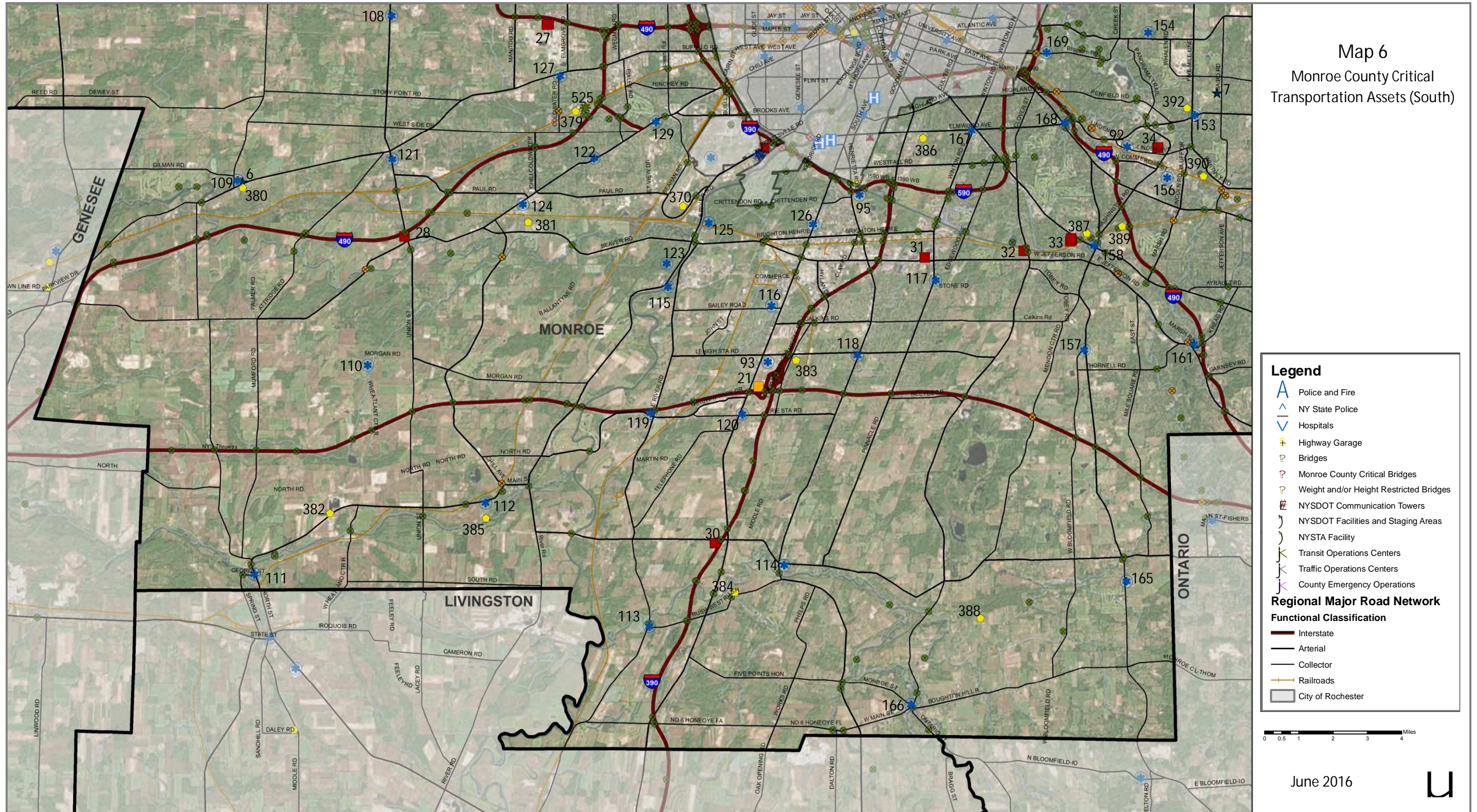
Functional Classification

Map 4
Livingston County Critical
Transportation Assets

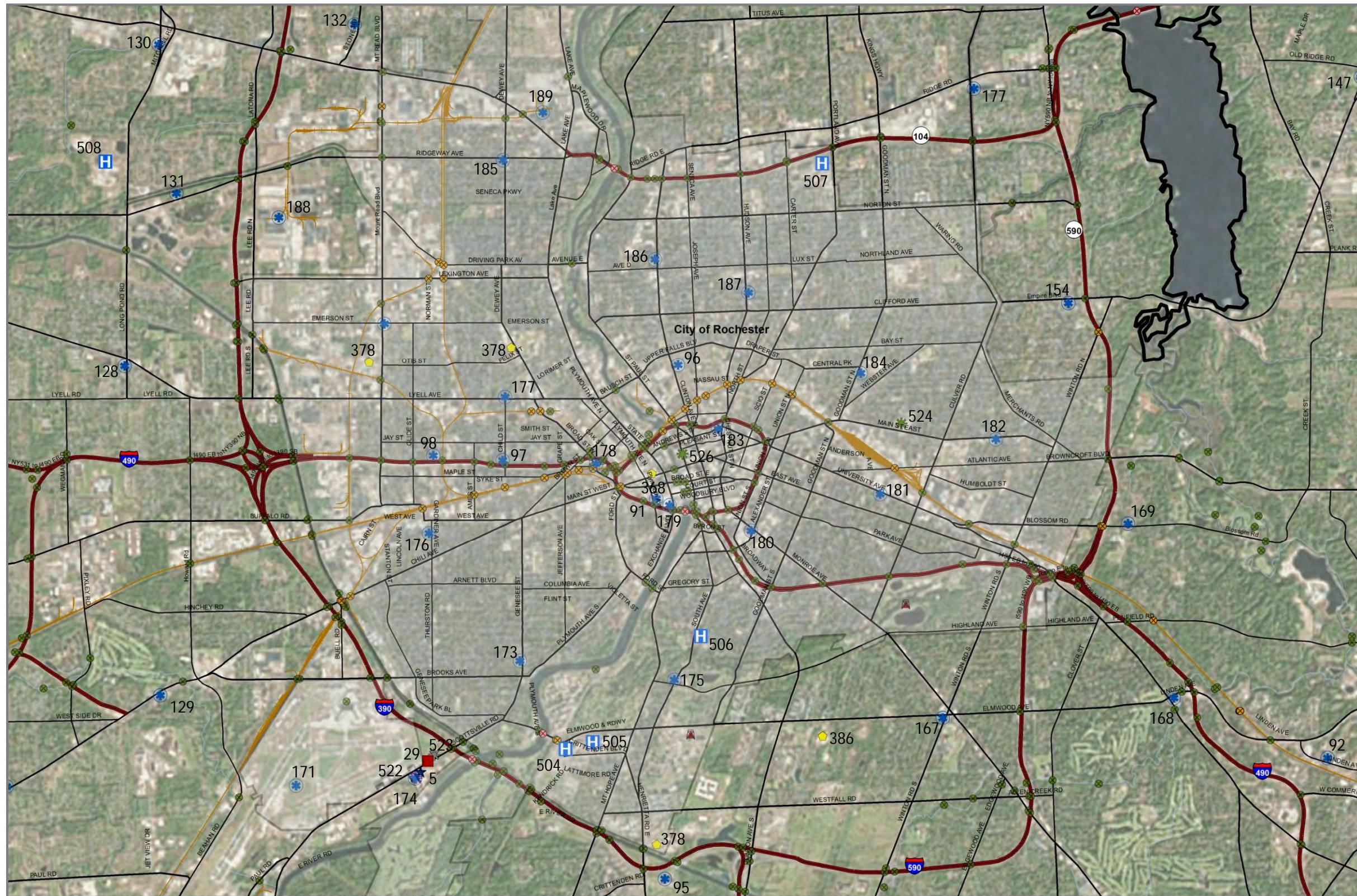
June 2016

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Map 8
Monroe County Critical
Transportation Assets (Central)

Legend

- Police and Fire
- NY State Police
- Hospitals
- Highway Garage
- Bridges
- Monroe County Critical Bridges
- Weight and/or Height Restricted Bridges
- NYSDOT Communication Towers
- NYSDOT Facilities and Staging Areas
- NYSTA Facility
- Transit Operations Centers
- Traffic Operations Centers
- County Emergency Operations

Regional Major Road Network

Functional Classification

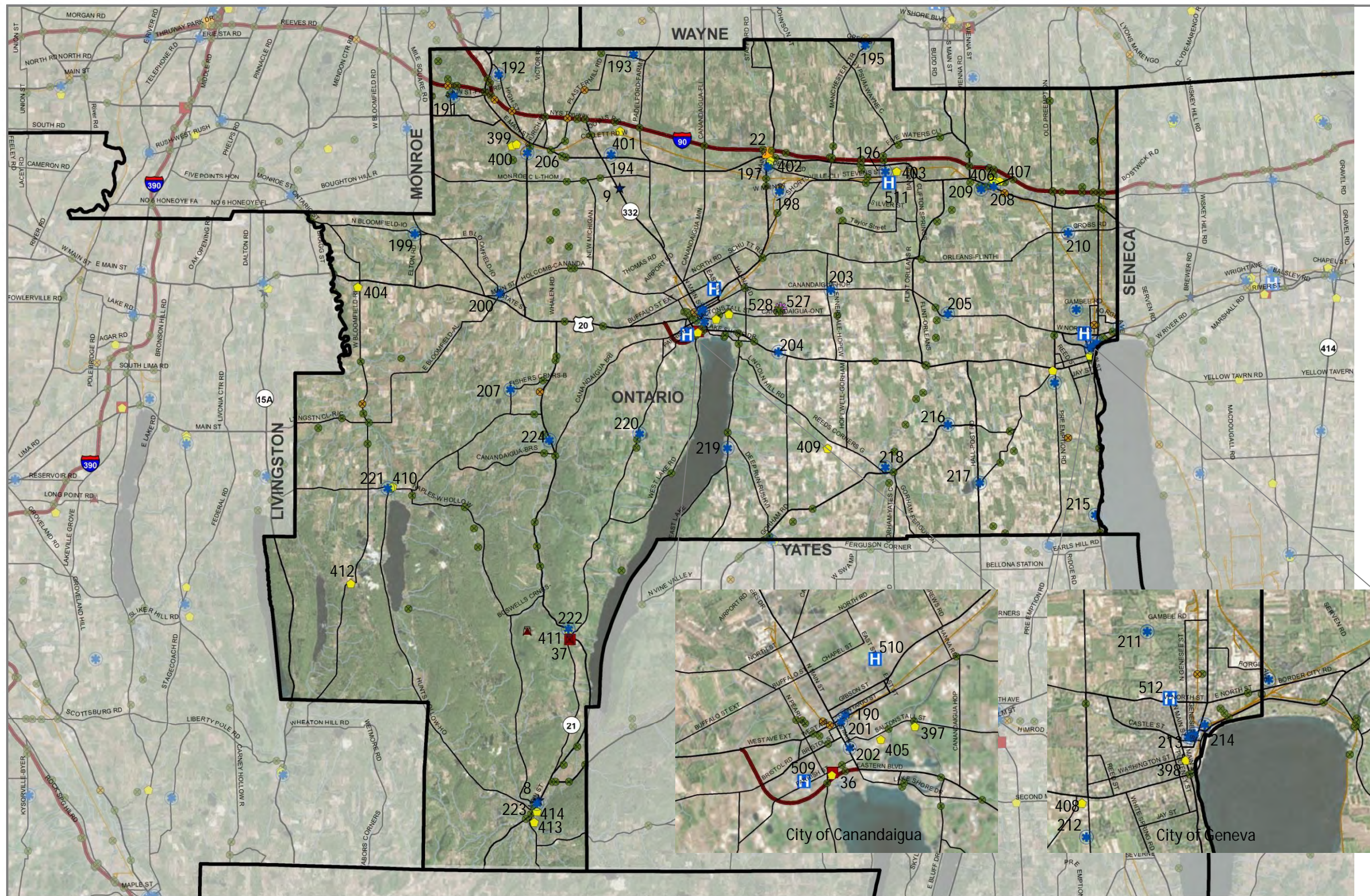
- Interstate
- Arterial
- Collector
- Railroads
- City of Rochester

0 0.3 0.6 1.2 1.8 2.4 Miles

June 2016



Map 9
Ontario County Critical
Transportation Assets



Legend

- Police and Fire
- NY State Police
- Hospitals
- Highway Garage
- Bridges
- Weight and/or Height Restricted Bridges
- NYSDOT Communication Towers
- NYSDOT Facilities and Staging Areas
- NYSTA Facility
- Transit Operations Centers
- Traffic Operations Centers
- County Emergency Operations

Regional Major Road Network

Functional Classification

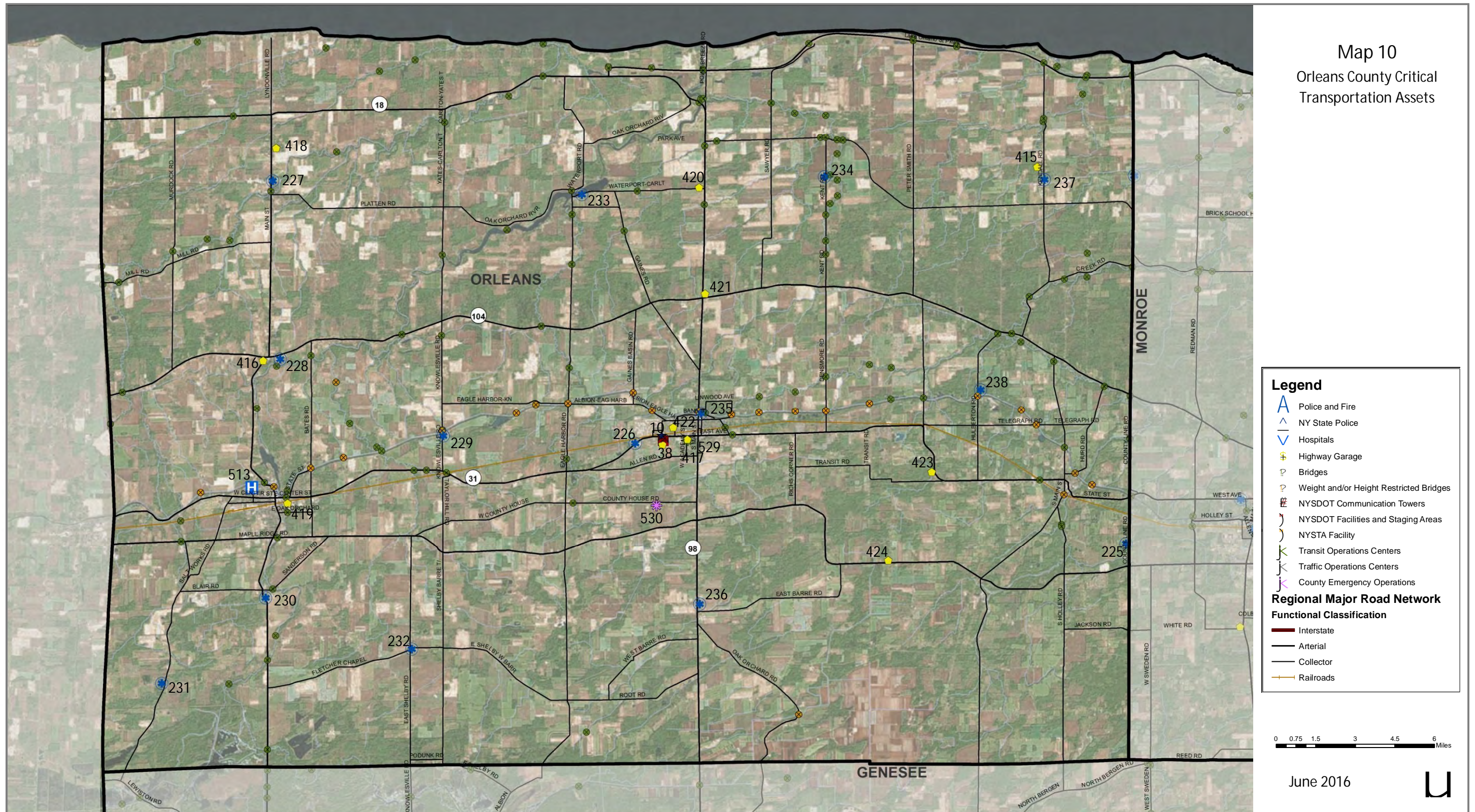
- Interstate
- Arterial
- Collector
- Railroads

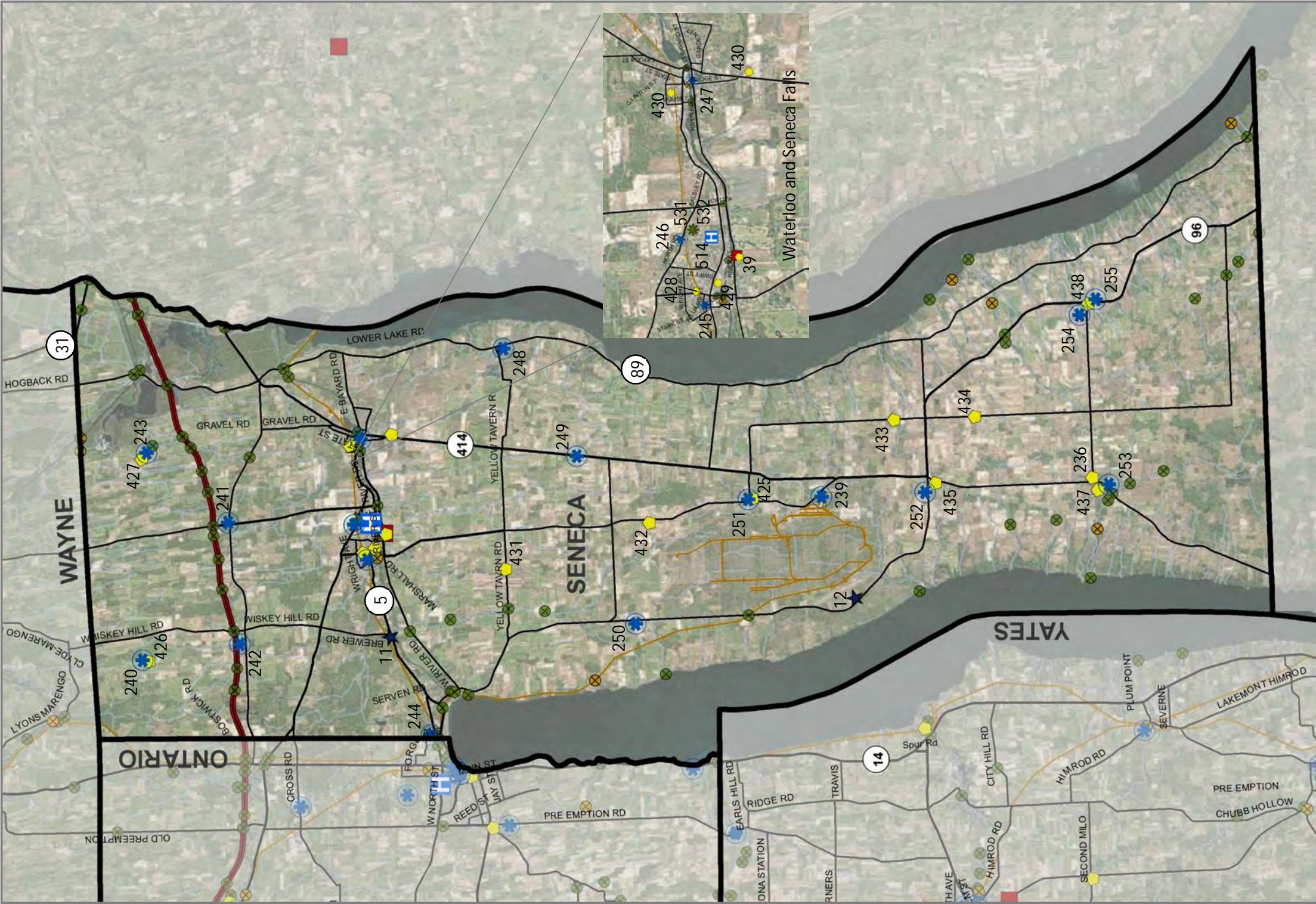
0 1.25 2.5 5 7.5 10 Miles

June 2016



Map 10
Orleans County Critical
Transportation Assets





Map 11
Seneca County Critical
Transportation Assets

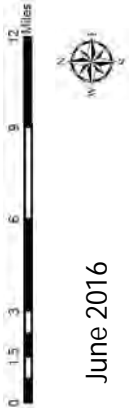
Legend

- Police and Fire
- NY State Police
- Hospitals
- Highway Garage
- Bridges
- Weight and/or Height Restricted Bridges
- NYSDOT Communication Towers
- NYSDOT Facilities and Staging Areas
- NYSTA Facility
- Transit Operations Centers
- Traffic Operations Centers
- County Emergency Operations

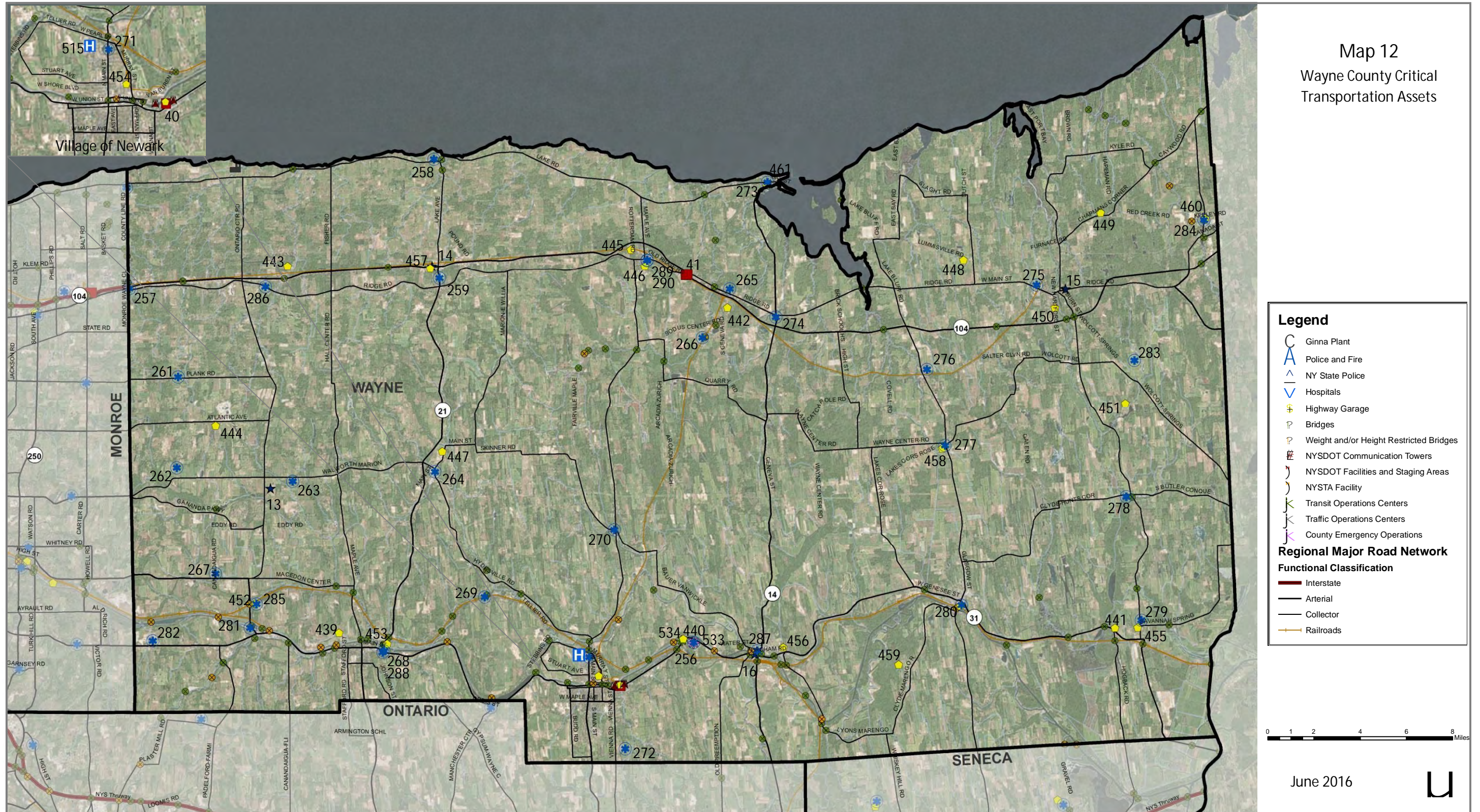
Regional Major Road Network

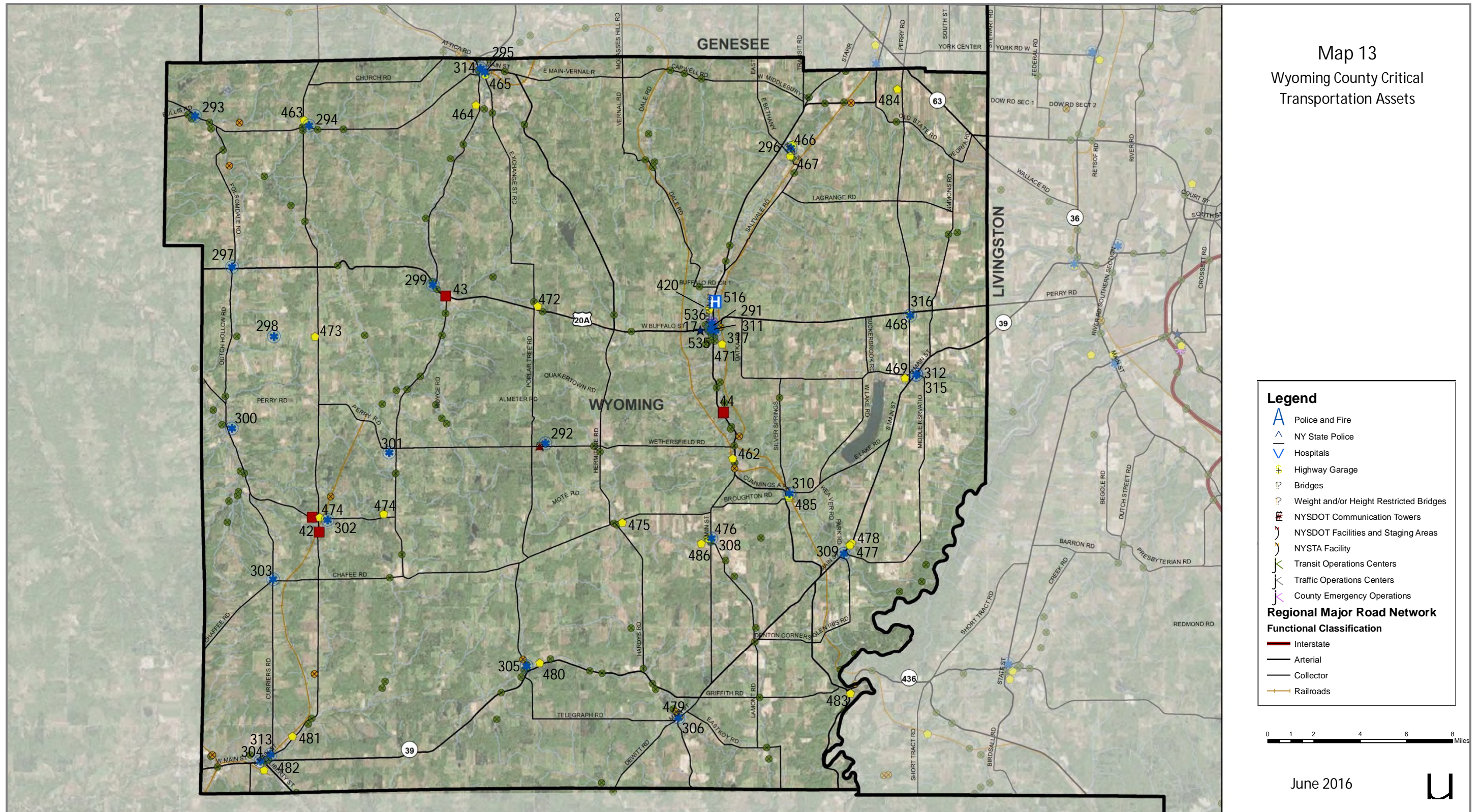
Functional Classification

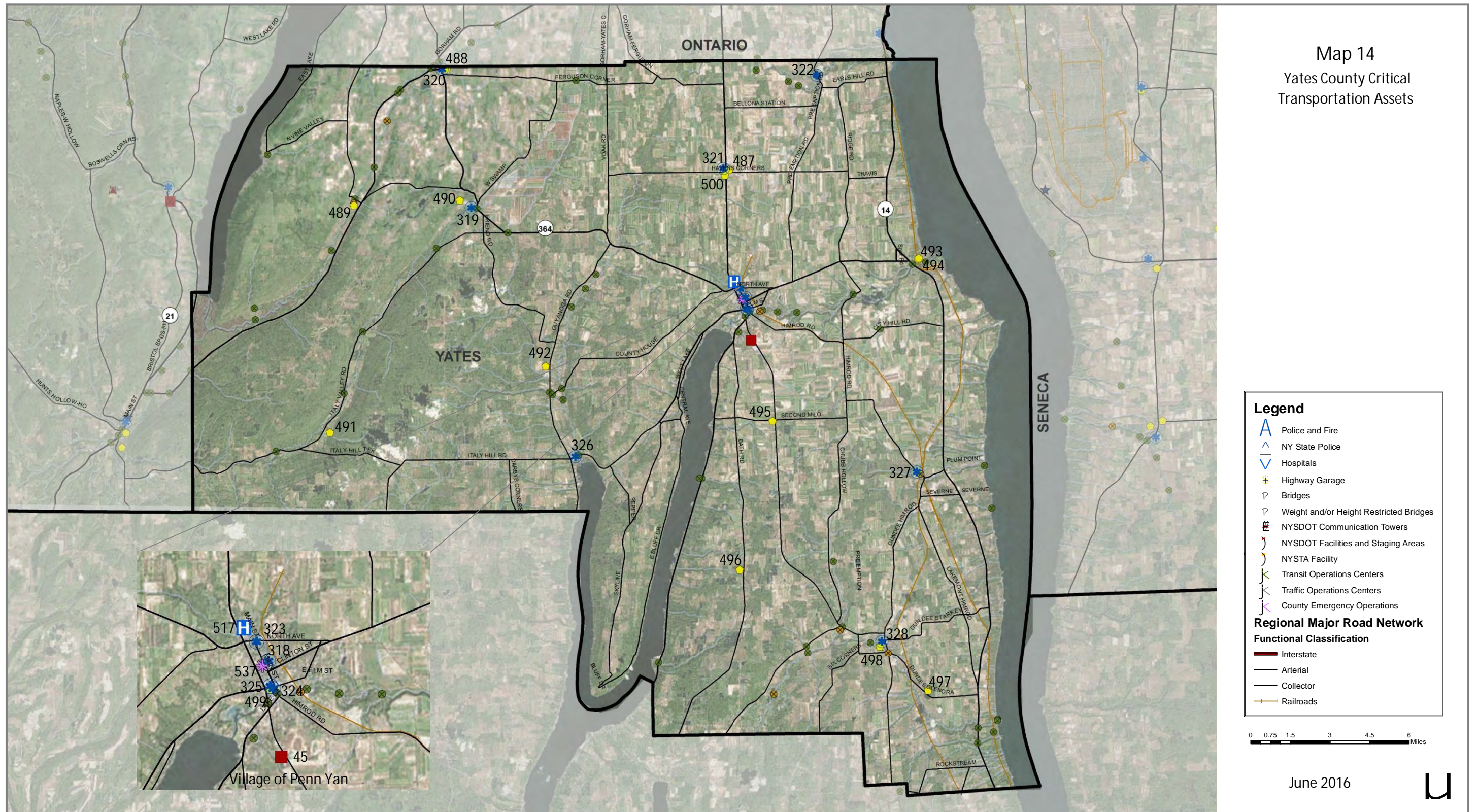
- Interstate
- Arterial
- Collector
- Railroads



June 2016







Key Regional Critical Transportation Infrastructure Findings

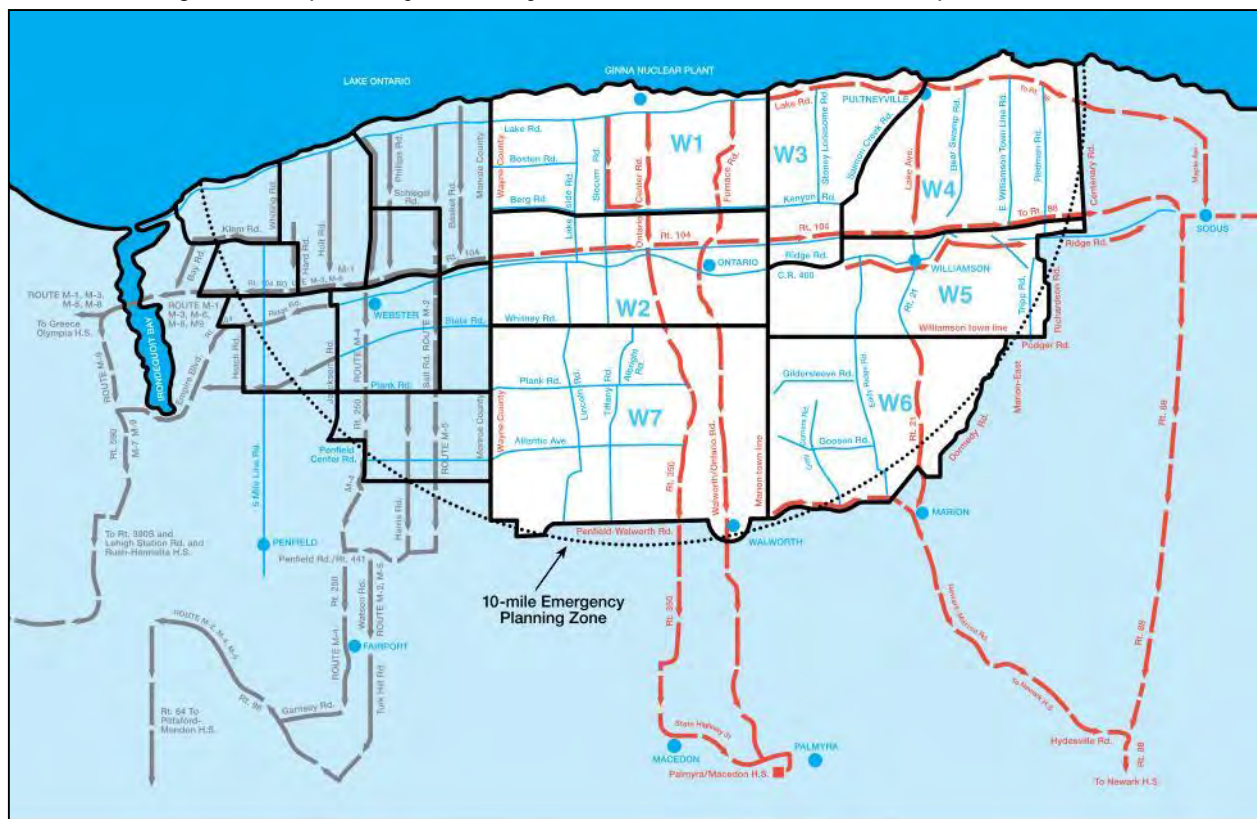
The following is a summary of the key findings regarding the regional critical transportation infrastructure derived from analysis of existing plans and studies, analysis of GIS data, and meetings with stakeholders.

- There are numerous individual municipal police, fire, and highway garages that collectively provide an important service to the operation, safety, and functionality of the regional transportation system.
- Roads classified as Expressways, Arterials (Principal and Minor), or Collectors (Major and Minor) under the Functional Classification System satisfies what is typically viewed as the regional highway network. This includes all grade-separated roads in the region (I-90, I-390, I-490, I-590, and NYS Routes 104, 390, and 590), as well as major at-grade roads.
- Local roads are generally not considered to have regional significance; however some local roads are important because they provide access to critical facilities such as fire stations, hospitals, and municipal highway/public works garages and fuel storage, provide an essential regional mobility or connectivity link, provide access to an important economic center, or are part of an evacuation or detour route.
- Major bridges in the Rochester metropolitan area that were identified as providing critical links include:
 - I-90 New York State Thruway Bridge over Genesee River;
 - I-390 bridge over Genesee River;
 - I-490 bridge over Genesee River (Frederick Douglass – Susan B. Anthony Memorial Bridge);
 - NYS Route 104 bridge over Genesee River (Veteran's Memorial Bridge);
 - NYS Route 104 bridge over Irondequoit Bay (Irondequoit Bay Bridge);
 - Lake Ontario State Parkway bridge over Genesee River (Colonel Patrick O'Rourke Memorial Bridge); and,
 - Elmwood Avenue bridge over Genesee River.
- The Elmwood Avenue bridge (BIN 4025890) over the Genesee River provides a critical link to the University of Rochester Medical Center. The bridge was upgraded with seismic isolation bearings and structural enhancements due to its regional importance. It is one of the few bridges in Western New York upgraded for seismic events.
- The majority of the bridges that span the Erie Canal in the region are weight restricted. Additionally, a number of other weight and/or height restricted bridges have been identified and mapped. These bridges can limit access for some high profile or heavy emergency vehicles.
- According to local officials, there is a large number of long haul trucks that avoid paying Thruway tolls and will instead use NYS Routes 5, 20, 21, 31, 63, 14, 14A, 77, 96, 104, 318, and 414 to

travel across the region. In particular, truckers use NYS Route 63 between Batavia and Mt. Morris as a shortcut between the New York State Thruway and I-390; as a result, NYS Route 63 handles more truck traffic than would otherwise be anticipated.

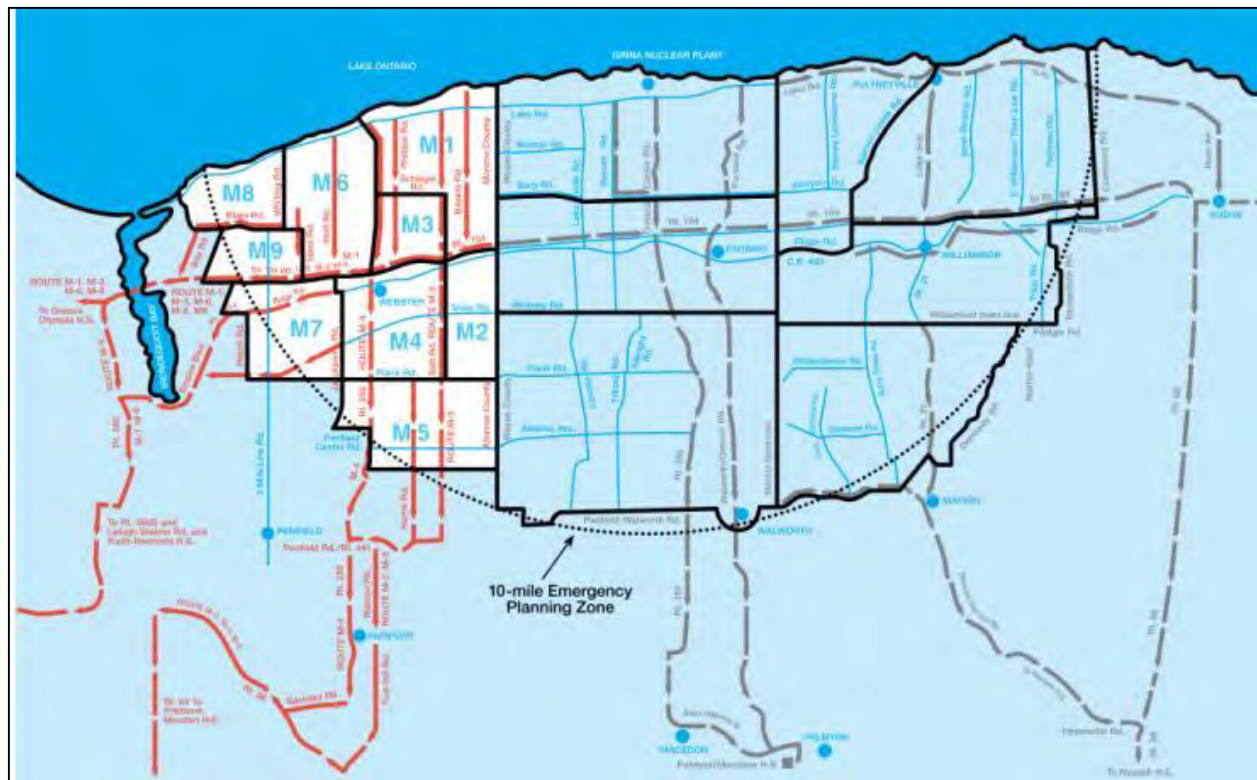
- Regional stakeholders view transportation infrastructure support facilities, including operations centers, highway garages and maintenance buildings, communications infrastructure, and fuel depots, as critical elements of the transportation system that must be safeguarded prior to and during hazard events.
 - Ensuring the supply of diesel fuel (from suppliers to fuel depots) is a critical issue during a hazard event.
- The R. E. Ginna Nuclear Power Plant, located in the Town of Ontario in Wayne County, presents a unique security and public safety concern. The Offices of Emergency Management in Monroe and Wayne Counties have developed Evacuation Time Estimates (ETE) for evacuation routes for locations within a ten-mile radius of the plant. This area is the plant's Emergency Planning Zone (EPZ), which is the area most vulnerable to exposure from radiological materials released from the plant. The EPZ is further divided into Emergency Response Planning Areas (ERPAs). There are nine ERPAs in Monroe County and seven ERPAs in Wayne County. Maps of the ERPAs, showing key evacuation routes, are shown in Figures 1 and 2 below.

Figure 1: Map of Wayne County Ginna Evacuation Route to Reception Centers



Source: Wayne County Emergency Management

Figure 2: Map of Monroe County Ginna Evacuation Route to Reception Centers



Source: Monroe County Emergency Management

- One of the strengths of the regional transportation infrastructure network is its redundancy. Multiple alternate routes are generally available for detouring traffic if a road or bridge becomes impassible due to a hazard event. In addition, if the location of hazard impacts can be anticipated with certainty, roads and bridges in the impact area can be closed prior to the hazard event, thus limiting the exposure of lives and property to that hazard.
- A CSX railroad line runs along an east-west axis through the region, spanning Wayne, Monroe, and Genesee Counties. Each day this railroad handles three to four trains that carry hazardous cargo. Typically, each train consists of an average of 130-150 tank cars of crude oil and other hazardous material. Finger Lakes Railway operates along rail lines in Seneca, Ontario, and Yates Counties.
- Even though US20/ NYS Route 5 along the west side of the City of Canandaigua is functionally classified as an expressway, it does contain multiple at-grade intersections and is not fully access-controlled. Only a small section is grade separated.

CHAPTER 3: HAZARD PROFILES

This chapter profiles the types and geographic extent of natural and human-caused hazards throughout the nine-county Genesee-Finger Lakes Region that could potentially impact the critical transportation assets identified in Chapter 2. Hazard profiles include a textual description explaining each hazard along with a geographical representation that identifies where the hazard is known to occur or has the potential to occur. This chapter shows the relationship between hazard extents and critical transportation infrastructure. Future analysis in subsequent chapters focuses on assessing the vulnerability of critical transportation assets in the face of hazards identified in this chapter.

Review of Existing Plans and Studies

A review of existing plans and studies was undertaken in order to use as much available information as possible and gain an understanding of work that has already been accomplished so as to avoid duplicate and conflicting work with this study. The following studies proved valuable in profiling hazards and their potential impact on critical transportation infrastructure.

State Plans

In 2014, New York State, through the State Division of Homeland Security and Emergency Services (DHSES), State Disaster Preparedness Commission (DPC), and other state agencies, developed and updated its Multi-Hazard Mitigation Plan. This Plan set forth the framework statewide to reduce or eliminate vulnerability to future hazard events. This Study incorporated many of the hazard analysis tools applied in the state plan for consistency and utilized many of the available hazard maps and/or GIS data.

County Plans

While the Multi-Jurisdiction All-Hazard Plans completed for the counties in the study area contain an assessment on all critical assets, we can derive certain findings related to the transportation sector. We can also use the hazard analyses in these plans to assist in identifying hazards that have been determined to be the highest risk to each county. Each county, in developing their county all-hazard mitigation plan, undertook a process to identify potential hazard events and the implications of those hazards on their infrastructure. A New York State modeling program called HAZNY was used to rank/ score potential hazard events based on the scope, frequency, impact, onset (warning time), and duration of each hazard event. HAZNY is an automated spreadsheet that asks specific questions on potential hazards in a community and records and evaluates the responses to these questions. The program then calculates a score for each hazard and categorizes the risk as “High”, “Moderately High”, “Moderately Low” or “Low”, which provides the community with a ranking of hazards that pose the greatest risk to the community. Table 1 summarizes the HAZNY rankings of various hazards for all nine counties within the study area.

Table 1: Summary of HAZNY Rankings from County All-Hazard Mitigation Plans

			High								Moderately High								Moderately Low								Low										
			Genesee	Livingston	Monroe	Ontario	Orleans	Seneca	Wayne	Wyoming	Yates	Genesee	Livingston	Monroe	Ontario	Orleans	Seneca	Wayne	Wyoming	Yates	Genesee	Livingston	Monroe	Ontario	Orleans	Seneca	Wayne	Wyoming	Yates	Genesee	Livingston	Monroe	Ontario	Orleans	Seneca	Wayne	Wyoming
Hazards	Floods	Flooding			•						•	•		•		•		•	•					•	•												
		Ice Jam																		•	•	•	•	•	•	•								•	•		
		Dam Failure														•				•	•	•		•	•								•				
	Storms	Winter Storms											•	•	•	•	•	•	•	•	•	•						•									
		Severe Storms							•				•	•	•	•	•	•	•	•	•	•		•	•												
		Ice Storms			•							•	•		•	•	•	•	•									•									
		Tornado											•		•			•			•	•			•	•		•	•								
	Accidents	Hazmat in Transit		•								•		•	•	•	•	•	•																		
		Transportation Accidents										•			•		•	•			•	•		•	•												
		Explosion				•							•								•	•			•	•											
	Land	Subsidence																			•																•
		Landslide																			•	•	•		•									•	•		
		Earthquake														•					•	•		•			•	•			•				•		
	Other	Terrorism					•					•	•	•		•	•	•		•																•	
		Extreme Temperatures													•					•	•	•						•						•			
		Structure Collapse											•								•				•	•											

The HAZNY exercise indicates that very few hazards were identified that resulted in a “High” risk score. Those “High” risk score hazards were flooding (Monroe County), severe storms (Wayne County), ice storms (Monroe County), hazardous materials (hazmat) in transit (Livingston County), explosions-resulting from hazardous materials transport (Ontario County), and terrorism (Orleans County).

Flooding, winter storms, ice storm, hazmat in transit, and terrorism were identified by multiple counties as having a “Moderately High” risk. Ice jam, land subsidence, and landslide had zero instances where a county in the study area identified the hazard as “High” or “Moderately High”.

The New York State Hazard Mitigation Plan and individual county All-Hazard Mitigation Plans were used as a basis for profiling hazards throughout the Genesee-Finger Lakes Region. A more careful analysis of data combined with input from stakeholders from each county were used to provide a more detailed assessment of potential hazard impacts to critical transportation assets.

Regional Profile of Hazards

This section provides a definition and profiles the location, geographic extent, and potential impacts of natural and human-caused hazards that have the potential to affect critical transportation assets throughout the Genesee-Finger Lakes Region. Table 2 outlines the natural and human-caused hazards profiled as part of this study.

Table 2: Natural and Human-Caused Hazards Profiled

Natural Hazards	Human Caused Hazards
Flooding (including fluvial, lacustrine, and urban flash flooding)	Hazardous Materials Spills and Fires/ Explosions Resulting from such
Severe Storms (snow, ice, rain, etc.)	Terrorist Attacks
High Winds (straight line, downbursts, tornado)	Sabotage
Extreme Temperatures and Frequent Freeze/ Thaw Cycles	Structural Collapse
Landslides	Highway Crashes/ Incidents
Land Subsidence/ Sinkholes	Derailments
Earthquakes	

Various GIS data was obtained from New York State Thruway Authority (NYSTA), New York State Department of Transportation (NYSDOT), New York State Department of Environment and Conservation (NYSDEC), New York State Office of Emergency Management (NYSOEM), Genesee-Finger Lakes Regional Planning Council, Genesee Transportation Council, and other agencies. Information and maps were also taken from the New York State Hazard Mitigation Plan. A more thorough analysis of GIS data combined with input from stakeholders went into identifying more specific locations or “hot spots” in each county that are known to experience hazard events and specifically addresses how hazards have been known or can be expected to impact critical transportation assets.

Flooding

Definition: A natural and temporary condition of partial or complete inundation of water on normally dry land resulting from the following:

- Riverine flooding, including overflow from a river channel, flash floods, alluvial fan floods, mud flows, or debris floods;
- Ice-jams;
- Dam or levee breaks;
- Local poor drainage areas;
- High groundwater levels;
- Fluctuating lake levels; or,
- Coastal flooding.

Geographic extent: Flooding has the potential to occur across the entire region, but is prone to the following areas:

- Along streams, creeks, rivers, and lake shores, especially in designated floodplains;
- In low lying areas that experience poor drainage;
- In areas with high water tables, such as wetlands and areas with poor soil drainage; and,
- Near designated drainage ways, water control structures, and near culverts when runoff rates surpass that of the drainage capacity.

Map 15 identifies the FEMA floodplains and Map 16 identifies New York State and U.S. Federal jurisdictional wetlands throughout the Genesee-Finger Lakes Region.

Table 3 lists the New York State classification of active dams in the state according to the potential flooding impacts a dam failure may have on the surrounding area.

Table 3: New York State Classification of Active Dams

Dam Class	Human Caused Hazards
A	Low Hazard
B	Significant/ Intermediate Hazard
C	High Hazard
D	No Hazard

Map 17 identifies the dams that are classified by New York State as B or C, indicating their potential to result in damage if a dam failure were to occur. In total, there are 20 dams in the Genesee-Finger Lakes Region that carry a dam classification of "High Hazard". The high hazard dams are as follows:

- Hemlock Lake Dam – Livingston County

- Mount Morris Dam – Livingston County
- Cobbs Hill Reservation Dam – Monroe County
- Court Street Dam – Monroe County
- English Road Detention Facility Dam – Monroe County
- Highland Park Reservoir Dam – Monroe County
- Larkin Creek Dam – Monroe County
- Lock 32 Dam Erie Canal – Monroe County
- Lock 33 Dam Erie Canal – Monroe County
- Round Pond Creek Dam – Monroe County
- Rush Reservoir Dam – Monroe County
- Glenwood Lake Dam – Orleans County
- Oak Orchard Creek Dam – Orleans County
- Canadice Lake Dam – Ontario County
- Seneca Falls Dam – Seneca County
- Waterloo Dam – Seneca County
- Lock 29 Dam Barge Canal – Wayne County
- Red Creek Dam – Wayne County
- Attica Dam – Wyoming County
- Keuka Lake Outlet Dam – Yates County



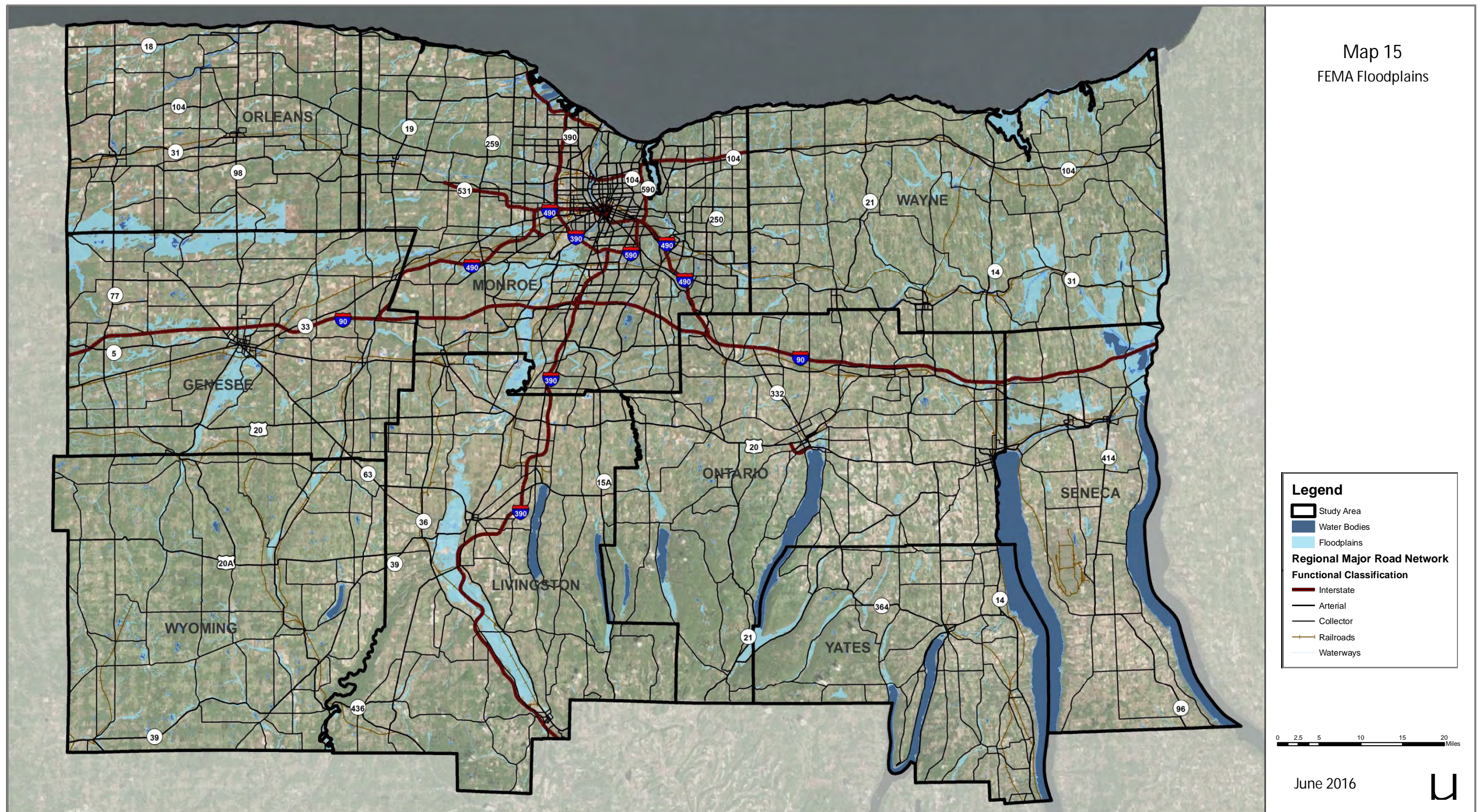
Flooding in Downtown Batavia, photo from Batavia Patch

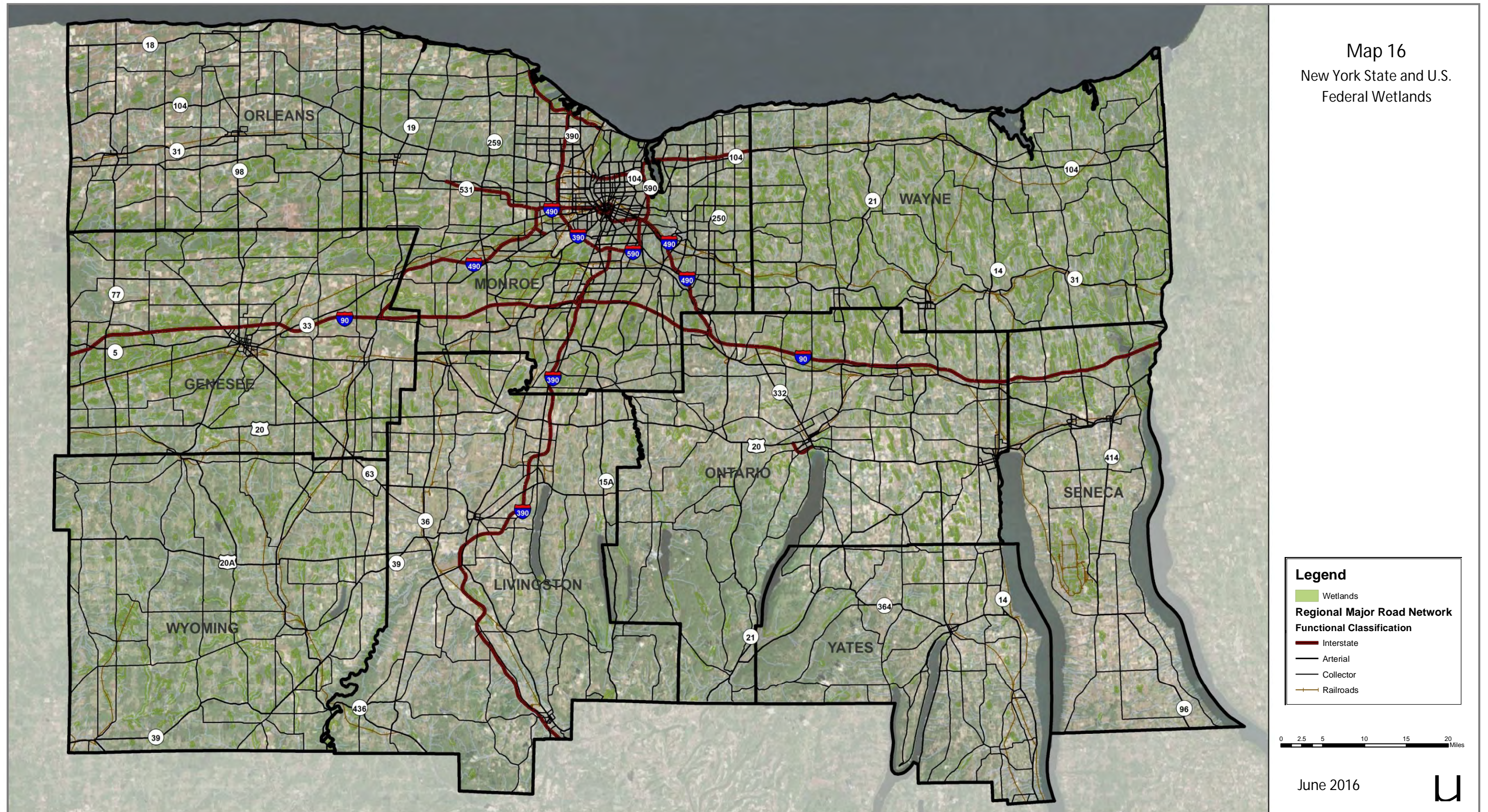
Potential Impact to Critical Transportation: Flooding can impact critical transportation assets by resulting in a temporary blockage of a highway, railroad, or access to a critical transportation facility due to high water or by leaving behind mud or debris. This condition would require no or minimal repair. More substantial damage can occur if a flood washes out a portion or all of a highway, railroad, or other critical transportation facility, requiring repair, reconstruction, or replacement.

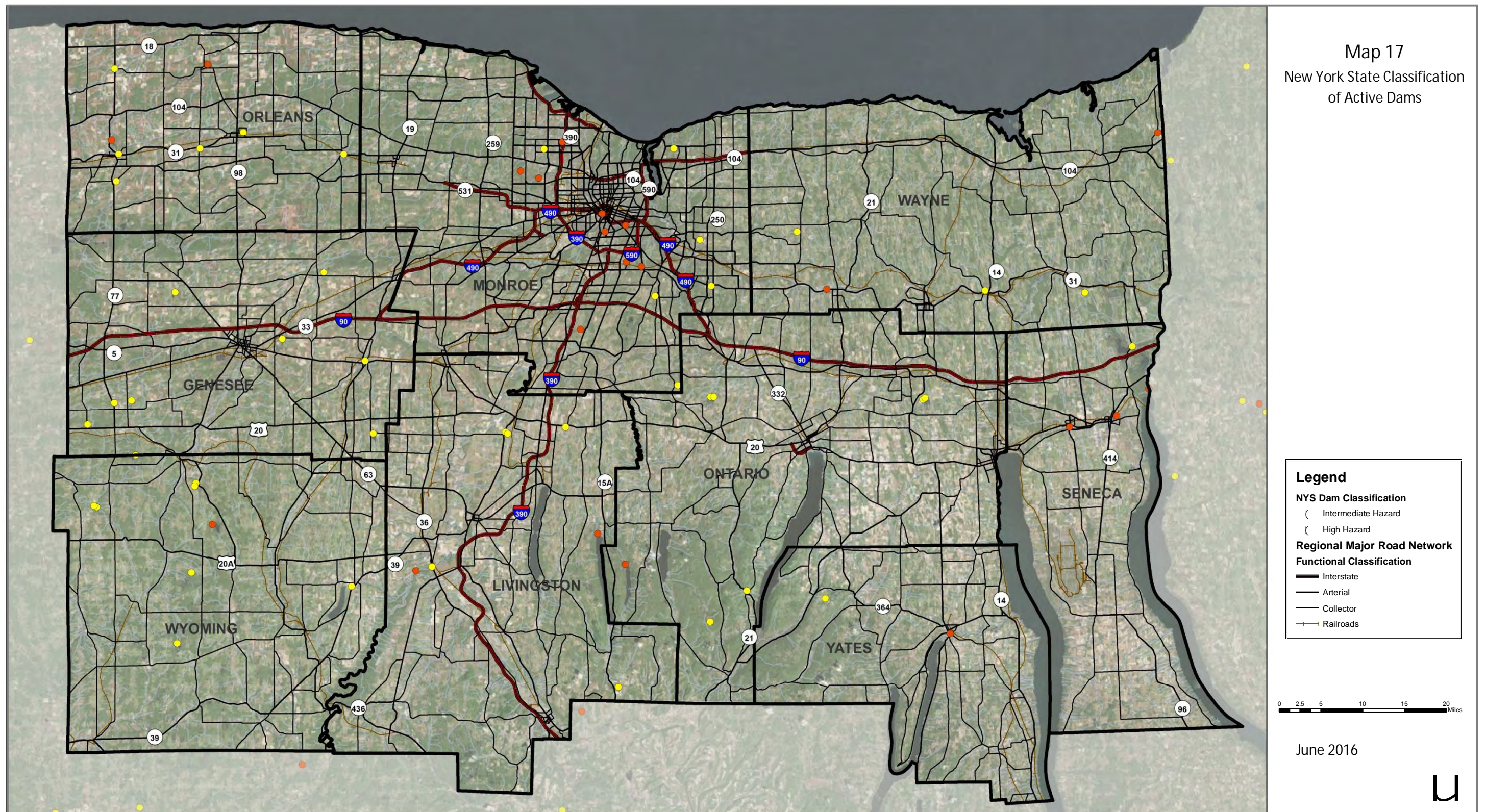
Historical Events: According to the New York State Hazard Mitigation Plan, the Genesee-Finger Lakes Region is one of the areas in the State that has experienced the fewest number of flooding events since 1960. Table 4 portrays the number of historic flooding events experienced in each of the counties in the Genesee-Finger Lakes Region since 1960, according to the New York State Hazard Mitigation Plan.

Table 4: Historic Flooding Events by County Since 1960

County	Number of Historic Flooding Events since 1960
Genesee	43
Livingston	41
Monroe	63
Ontario	44
Orleans	32
Seneca	26
Wayne	40
Wyoming	43
Yates	25







Severe Storms

Definition: A storm consisting of heavy rain, snow, hail, ice, wind, and/or lighting capable of producing damaging impacts. Severe storms can be widespread or localized in nature but are severe due to their intensity and/or duration. Impacts from severe storms can be felt for days, especially with ice or snow storms.

Geographic extent: Severe storms have the potential to occur at any location throughout the region. More localized severe lake effect snow storm events have a greater potential to occur in snow belt areas along Lake Ontario, generally north of the New York State Thruway, or downwind of Lake Erie in Wyoming and Genesee Counties.

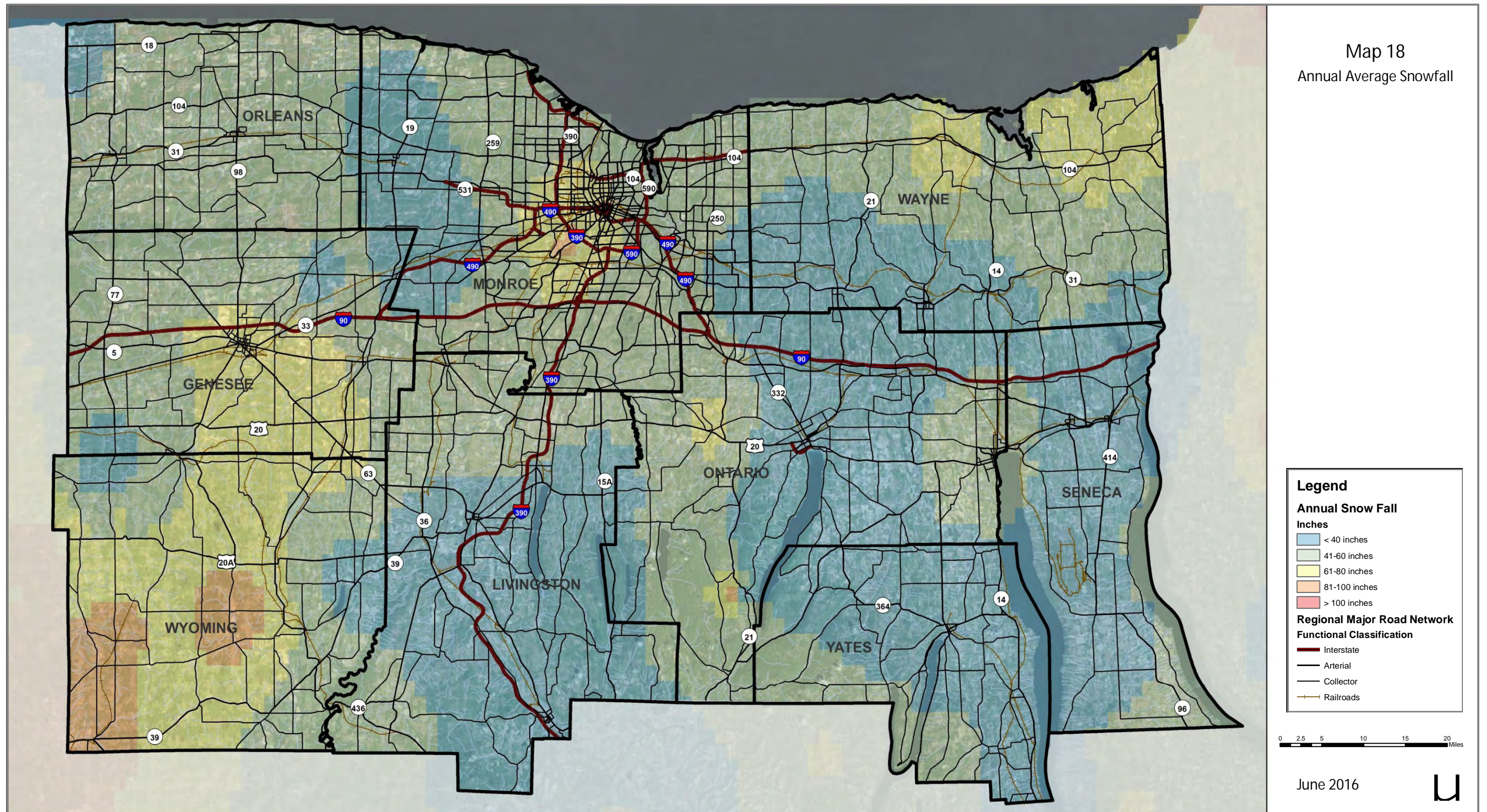
Potential Impact to Critical Transportation: Severe storms can impact critical transportation assets by resulting in a temporary blockage of a highway, railroad, or access to a critical transportation facility due to high water, ice, or snow, or because of downed trees or power lines, requiring no or minimal repair. Severe storms can also impact the operation of the critical transportation system if power is lost for prolonged periods of time. More substantial damage can occur if severe storms result in substantial damage to a highway, railroad, or other critical transportation facility, requiring repair, reconstruction, or replacement.

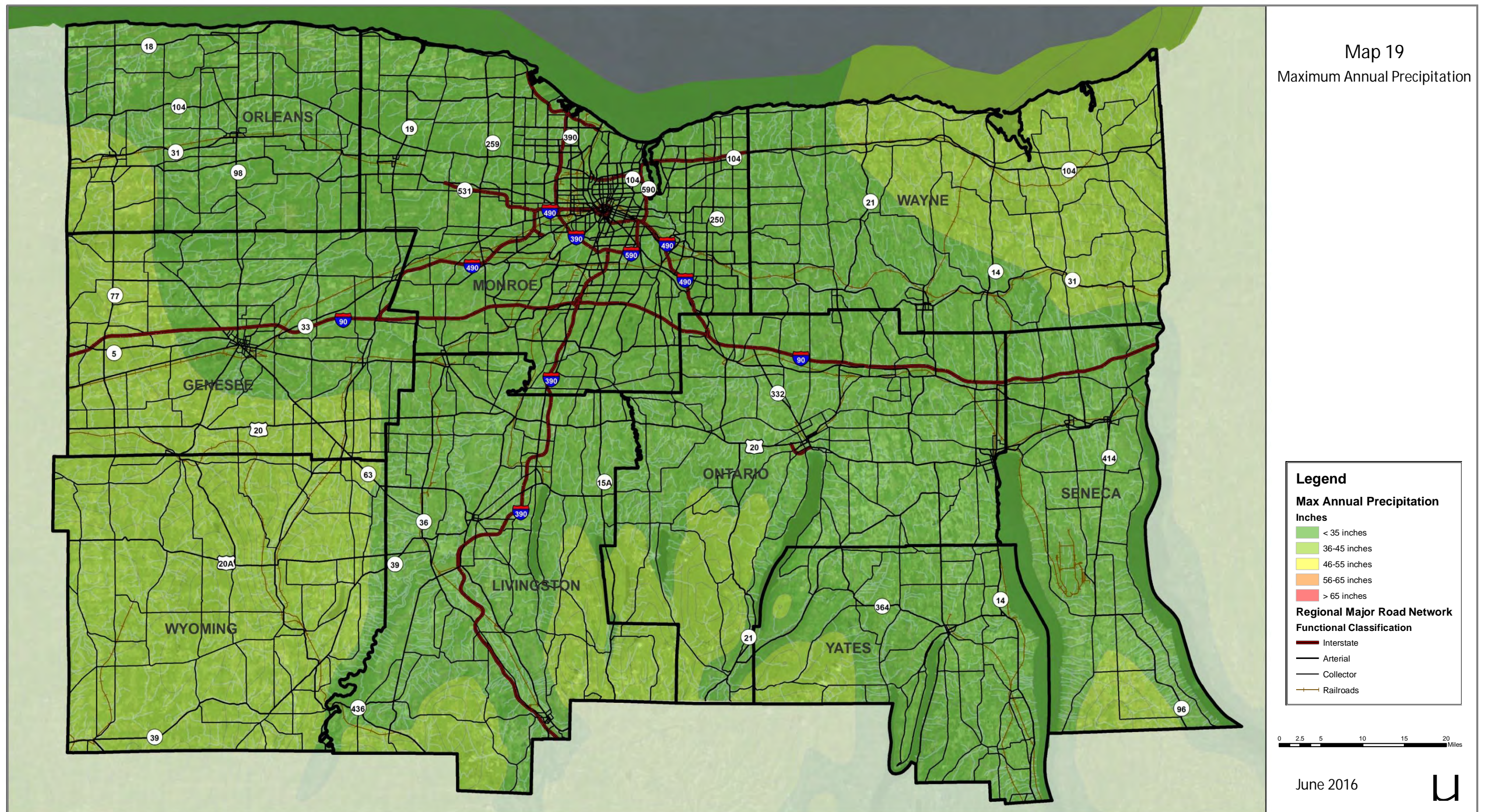
Map 18 identifies annual average snowfall, in inches, throughout the Genesee-Finger Lakes Region.

Map 19 identifies the maximum annual precipitation, in inches, experienced in any one year throughout the Genesee-Finger Lakes Region between 1981 and 2010.



Lake Effect Snow Storm strands vehicles on the New York State Thruway near Buffalo, photo from Buffalo News





Severe Storms

Definition: High winds can be short duration or long duration events, and can include straight line winds, downbursts, or tornados capable of producing localized and widespread damage. Straight line winds that meet or exceed 58 mph are classified by the National Weather Service as severe. Tornados are formed by rotating winds, typically consisting of wind speeds in excess of 65 mph and capable of reaching greater than 200 mph.

Geographic extent: High winds have the potential to occur at any location throughout the region and can be very localized or widespread. As indicated on Map 20, all of the counties in the Genesee-Finger Lakes Region fall within Zone III of the U.S. Wind Zone Map, meaning the design of structures should be capable of withstanding a 3-second wind speed of 200 mph.

Map 20: U.S. Wind Zone Map



Source: FEMA

Potential Impact to Critical Transportation: High winds can impact critical transportation assets by resulting in a temporary blockage of a highway, railroad, or access to a critical transportation facility due to downed trees or power lines, requiring no or minimal repair. High winds can also impact the operation of the critical transportation system if power is lost for prolonged periods of time or if closures of bridges are necessary to high profile vehicles. More substantial damage can occur if high winds result in structural damage to a highway, railroad, or other critical transportation facility, either directly or indirectly by acceleration other debris, requiring repair, reconstruction, or replacement.

Historical Events: Table 5 portrays the number of high wind events experienced in each of the counties in the Genesee-Finger Lakes Region since 1960, according to the New York State Hazard Mitigation Plan.

Table 5: Historic High Wind Events by County Since 1960

County	Number of High Wind Events since 1960
Genesee	158
Livingston	156
Monroe	204
Ontario	155
Orleans	139
Seneca	112
Wayne	179
Wyoming	156
Yates	103

Extreme Temperatures and Frequent Freeze/ Thaw Cycles

Definition: Extreme heat is typically defined as an extended period of time during the summer where high temperatures are consistently 10 degrees or more over the average high for the region. Extreme cold is typically defined as an extended period of time during the winter where high temperatures are consistently 10 degrees or more below the average high for the region. Frequent freeze/ thaw cycles are constant variations in temperatures, typically during the winter season, where temperatures fluctuate from below freezing for several days to above freezing for several days.

Geographic extent: Extreme temperatures and frequent freeze/ thaw cycles have the potential to occur at any location throughout the region.

Potential Impact to Critical Transportation: Extreme temperatures and frequent freeze/ thaw cycles can impact critical transportation assets by stressing roadways and railroads, causing them to crack, buckle, or shift, resulting in a temporary closure of a highway, railroad, or access to a critical

transportation facility. The length of closure and extent of repair is dependent upon the extent of damage.

Historical Events: According to the New York State Hazard Mitigation Plan, since 1960, eight of the nine counties in the Genesee-Finger Lakes Region have experienced two or fewer occurrences of extreme temperature events. Seneca County has experienced five or fewer occurrences of extreme temperature events since 1960.

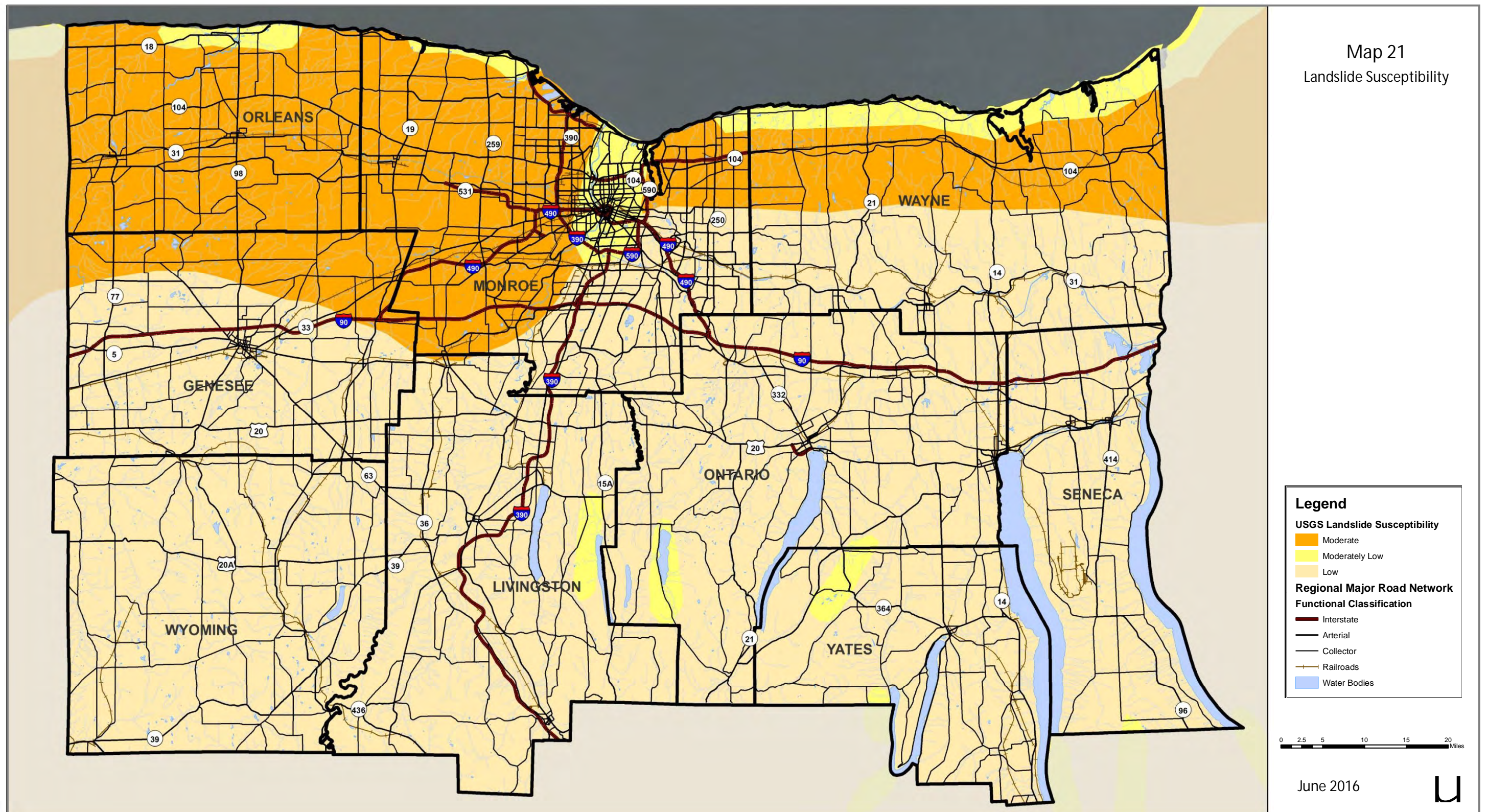
Landslides

Definition: The downward and outward movement of slope-forming materials reacting to the force of gravity. Slide materials may be composed of rock, soil, artificial fill, or combinations of those materials. The term landslide is generalized and includes rockfalls, rockslides, creep, block slides, debris slides, earth-flow, mud flow, slump, and other similar terms.

Geographic extent: Landslides are prone to occur near steep slopes, but are more susceptible in areas with slope of 25% or greater. Areas with looser soils are also more prone to experiencing landslides. Map 21 identifies areas throughout the Genesee-Finger Lakes Region that are susceptible to landslides. Areas along the Lake Ontario plain, generally north of the Niagara Escarpment and Erie Canal, consist of a moderate susceptibility to landslides, with areas along the Lake Ontario shore and near several of the Finger Lakes consisting of a moderately low susceptibility to landslides. The rest of the region has a low susceptibility to landslides.

Potential Impact to Critical Transportation: Landslides can impact critical transportation assets by moving earthen materials and debris onto roadways and railroads, restricting their use and potentially causing minor damage to the structure. More substantial damage can occur if a portion or all of the roadway, railroad, or transportation facility is moved as part of the landslide, requiring full reconstruction or replacement.

Historical Events: According to the Landslide Inventory Map of New York, as portrayed in the New York State Hazard Mitigation Plan, there have been very few occurrences of landslides throughout the Genesee-Finger Lakes Region. Most notably are several landslide occurrences in Wayne County along the Lake Ontario shore.



Land Subsidence/ Sinkholes

Definition: Depressions, cracks, and sinkholes in the Earth's surface that result from the sudden sinking or gradual downward settling of land with little or no horizontal motion, caused by a loss of subsurface support. These can occur over many days or many years, or suddenly with the sudden collapse of the ground surface. This can often occur as soils become excessively dry or excessively wet.

Geographic extent: Land subsidence/ sinkholes are prone to occur in areas that contain evaporite rocks or Karst topography. Karst topography refers to areas prone to sinking land resulting from the dissolution of underlying rocks by surface or ground water, creating caves or cavities below the surface. Salt and gypsum evaporite rock formations are located across the entire Genesee-Finger Lakes Region. Karst topography is present across the northern section of the region, approximately from the New York State Thruway north to Lake Ontario.

Potential Impact to Critical Transportation: Land subsidence/ sinkholes can impact critical transportation assets by causing heaving, subsidence, or cracking of roadways, railroads, or critical transportation facilities. This can cause damage to the structure that can range from minor that can be fixed with minor repair to major, requiring reconstruction or replacement.

Historical Events: The largest land subsidence event that has occurred in the Genesee-Finger Lakes Region is the Retsof Salt Mine Collapse in Livingston County in 1994. The subsidence resulted in the partial collapse of a NYSDOT bridge and forced the closure of a section of US 20A.

Earthquake

Definition: Follows sudden movements in the Earth that are caused by abrupt releases of seismic energy accumulated over long periods of time. Seismic energy results in shaking of the ground that can cause damage to infrastructure.

Geographic extent: Earthquakes are prone to occur in areas where there are high levels of seismic activity, identified through Peak Ground Acceleration (PGA) and Spectral Acceleration (SA). All of the counties in the Genesee-Finger Lakes Region consist of a PGA of 3% or less, placing them in the weak to light category, which results in very little damage. Overlaying National Earthquake Hazard Reduction Program (NEHRP) soil classifications over the PGA map provides a clearer indication of the areas that may experience an amplification of ground motion and thus higher risk. Table 6 identifies NEHRP soil classifications. Going from A to E, soils become less stable and more prone to movement. Thus, combining a map of NEHRP soils and PGA provides us with Spectral Acceleration, otherwise known as that which is experienced on the ground.

Table 6: NEHRP Soil Classifications

NEHRP Soil Classification	Types of Soils
A	Very hard rock
B	Rock (sedimentary) or hard ground
C	Stiff clay
D	Soft to medium clays or sands
E	Soft soil (fill, loose sand, waterfront, lake bed clays)

Map 22 identifies the Spectral Acceleration of soils, derived from a combination of soil type and Peak Ground Acceleration. The map shows that while the overall Peak Ground Acceleration of the Genesee-Finger Lakes Region is low, the existence of soft soils results in an environment where low Peak Ground Acceleration combine with the soft soils to make for high Spectral Acceleration, and raising the potential for seismic activity. The areas most prone to seismic activity are along the Lake Ontario shore and down the Genesee River valley. There are also some highly prone areas throughout Orleans and Genesee Counties.

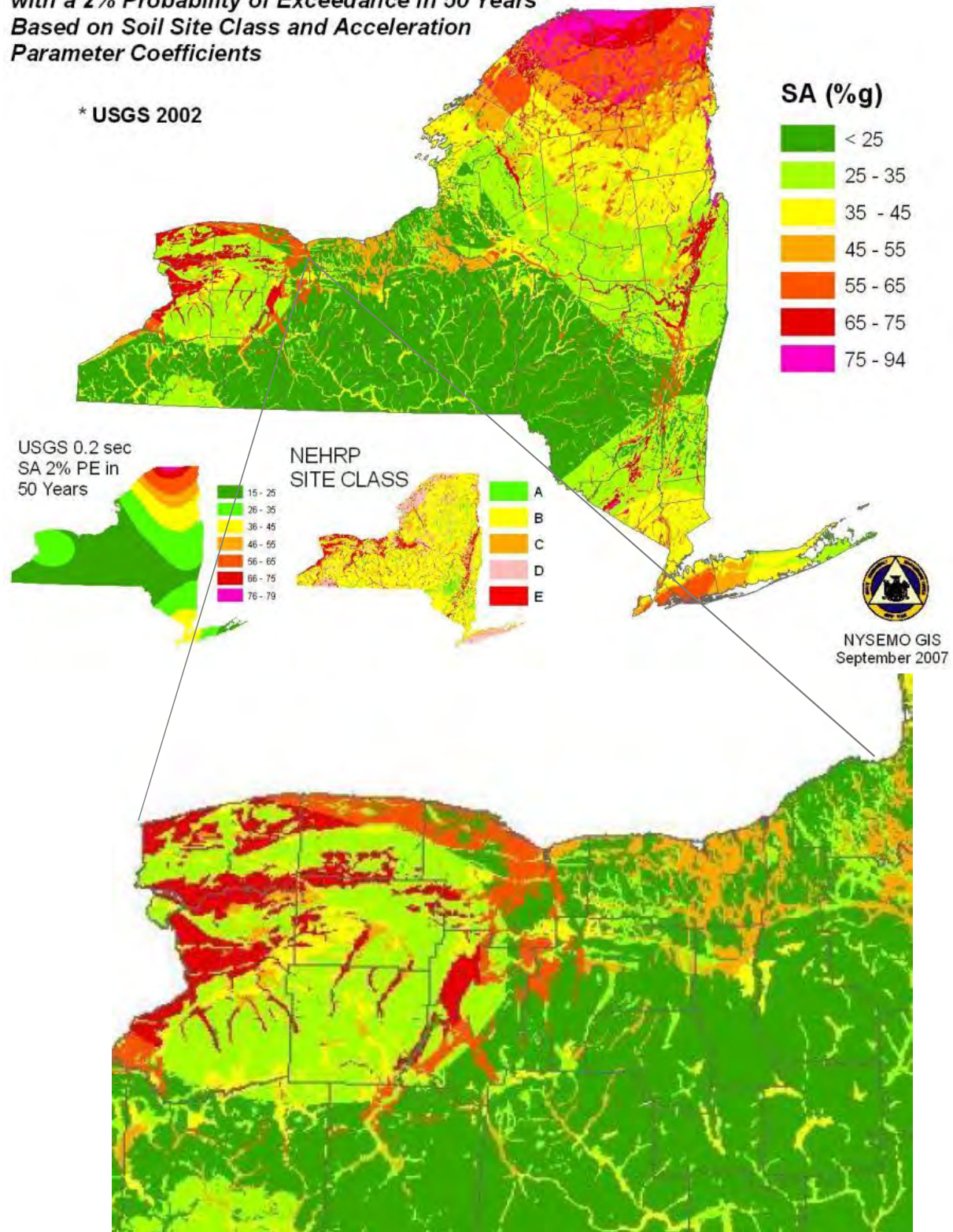
Potential Impact to Critical Transportation: Earthquakes can impact critical transportation assets by causing cracking, heaving, subsidence, shifting, or otherwise weakening the sub-base of a critical transportation facility. This can cause damage to the transportation facility that can range from minor, that involves little repair, to major, requiring reconstruction or replacement.

Historical Events: According to the New York State Hazard Mitigation Plan, since 1960 there have been 13 recorded earthquake events in the Genesee-Finger Lakes Region; six of which occurred in Livingston County and seven of which occurred in Wyoming County. Of these earthquake events, only one consisted of a magnitude greater than 2.9 (earthquake that occurred near Attica in 1967 – magnitude 3.9). During this same time period, there have been two earthquakes in all of New York State that have resulted in widespread damage – both occurring in the Adirondack Mountain region.

Map 22: Spectral Acceleration of Soils

**Adjusted USGS 0.2 sec Spectral Acceleration (SA)
with a 2% Probability of Exceedance in 50 Years*
Based on Soil Site Class and Acceleration
Parameter Coefficients**

* USGS 2002



Source: New York State Hazard Mitigation Plan

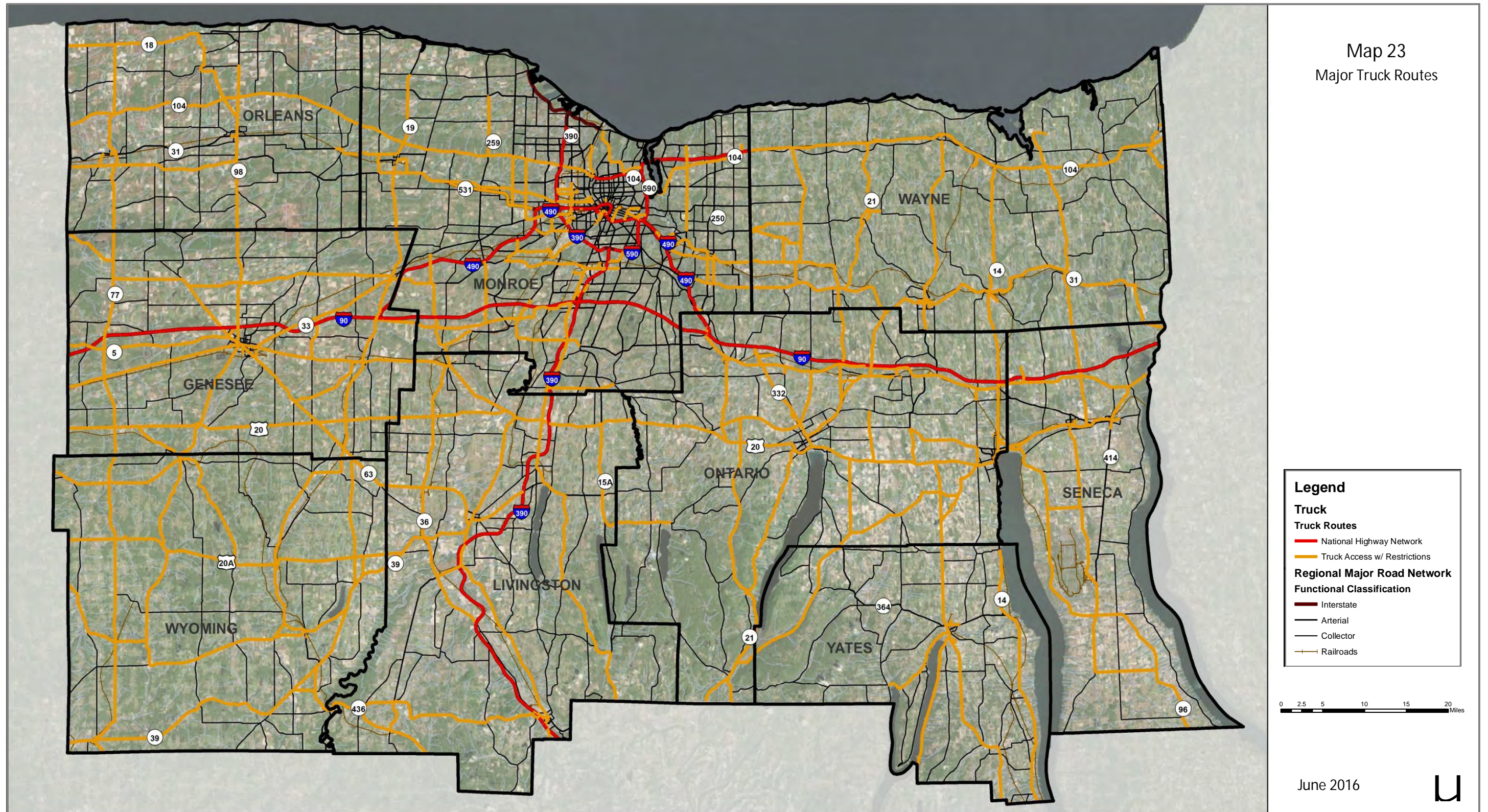
Hazardous Materials Spill while in Transit (Hazmat in Transit)

Definition: The uncontrolled release of materials during transport, which when released can result in injury or death to people and/or damage to property and transportation infrastructure through the material's flammability, toxicity, corrosiveness, chemical instability, and/or combustibility.

Geographic extent: Hazmat in transit spills can occur anywhere throughout the region, but is most prone to areas that handle high volumes of truck traffic. The major truck routes in the region are identified in Map 23, defined as the National Highway Network and other designated truck routes, some with restrictions. Trains operating throughout the region also handle hazmat materials.



Potential Impact to Critical Transportation: Hazmat in transit spills can impact critical transportation assets by resulting in an overturned truck and/or spill that temporarily disrupts the operation of a critical transportation facility through a temporary closure that requires no or minimal repair. Hazmat in transit spills can also result in fire or explosion that causes a more lengthy closure with more extensive damage, requiring repair, reconstruction, or replacement.



Terrorist Attacks/ Sabotage

Definition: Terrorist attacks are the threat or use of violence to achieve political or social ends usually associated with community disruption and/or multiple injuries or deaths. Sabotage is the act of carrying out the purposeful destruction of a structure.

Geographic extent: Bridges act as the most visible, disruptive, and destructive critical transportation target for an act of terrorism or sabotage to be carried out on. Bridges that carry more substantial traffic or provide critical transportation links such as along the New York State Thruway, Interstate highways, and major arterials pose a greater threat.

Potential Impact to Critical Transportation: An act of terrorism or sabotage can impact critical transportation assets by resulting in a temporary disruption to the function and operation of a critical transportation facility that requires no or minimal repair or can cause more extensive damage, requiring repair, reconstruction, or replacement and a lengthy closure of the facility.

Historical Events: There are not any documented terrorist or sabotage events that have occurred throughout the Genesee-Finger Lakes Region.

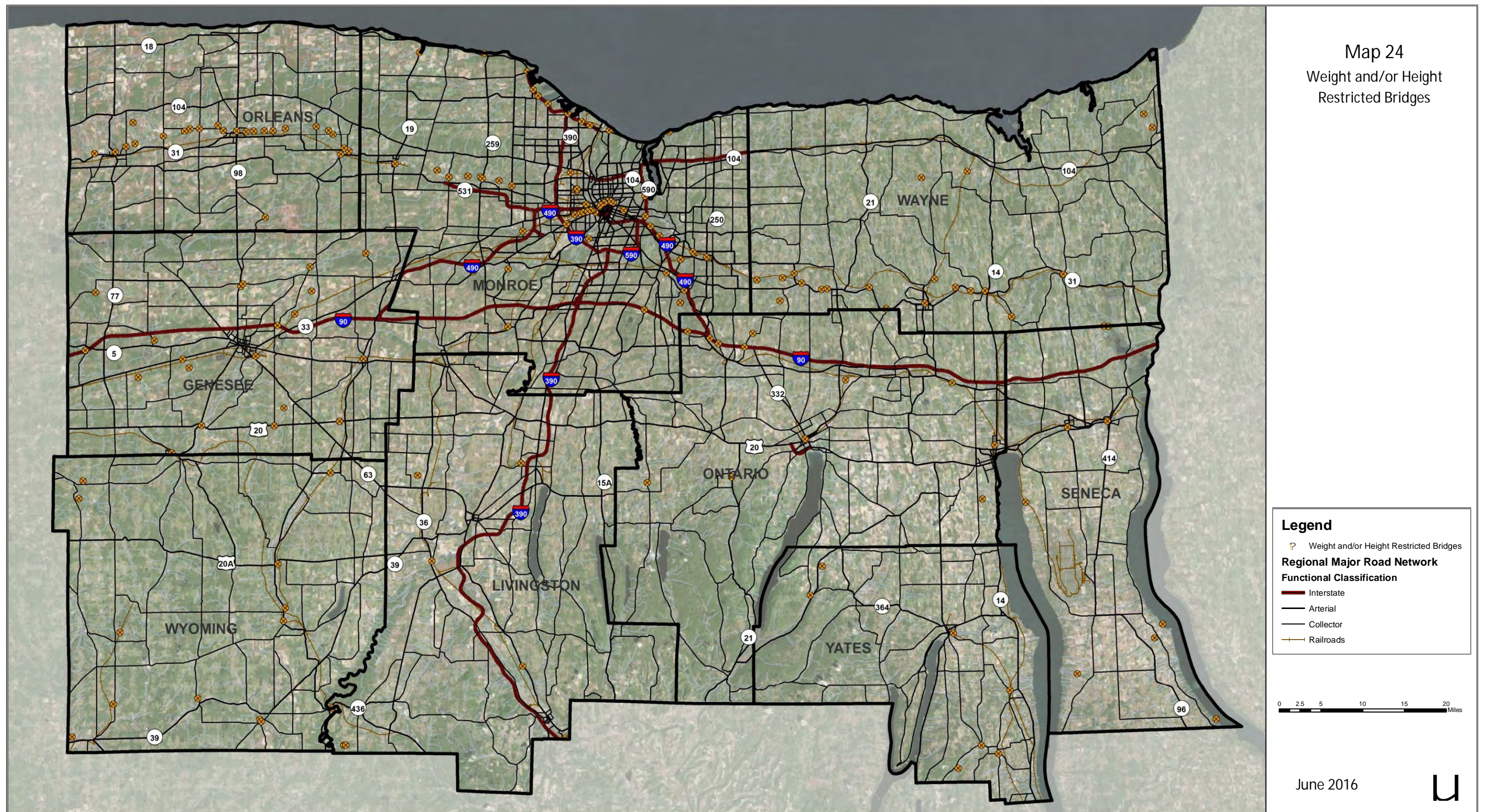
Structural Collapse

Definition: A sudden structural failing, either partially or fully, of buildings, bridges, or tunnels.

Geographic extent: Structural collapse has the potential to occur throughout the region. There are several weight restricted bridges throughout the region, many of which occur along the Regional Transportation System classified as Minor Collector or higher. Map 24 identifies these weight restricted bridges. Most of the weight restricted bridges are Erie Canal bridges located in Orleans, Monroe, and Wayne Counties.

Potential Impact to Critical Transportation: Structural collapse can impact critical transportation assets, ranging from minor structural damage that results in temporary closure and requiring minor repair, to full structural collapse that results in full closure and reconstruction or replacement of the facility.

Historical Events: As mentioned previously, the Retsof Salt Mine Collapse in Livingston County resulted in the partial collapse of a NYSDOT bridge and forced the closure of a section of US 20A. The mine collapse was the result of manmade mining operations.



Highway Crashes/ Incidents

Definition: Highway crashes are those involving one or more modes of transportation that results in personal injury or death and/or damage to transportation assets. Highway incidents can result from a disabled vehicle or other non-crash events that impact the function or operation of the transportation system.

Geographic extent: Highway crashes/ incidents can occur anywhere along the regional transportation network but are more prone to occur at at-grade intersections or at-grade rail crossings, or along highly traveled roadways. Map 25 portrays the Average Annual Daily Traffic (AADT) of the regional road network. The roadways with the highest traffic volumes can be found in Monroe County, near population centers, or along major long-haul routes. The New York State Thruway, I-390, and portions of I-490 experience at least 20% of their AADT as truck traffic. Other routes that experience at least 10% of their AADT as truck traffic include US 20; portions of NYS Route 104; portions of NYS Route 77 in Genesee County; NYS Route 31 through Orleans County; NYS Route 63 between Batavia and I-390; and NYS Route 14 in Wayne and Ontario Counties.

Potential Impact to Critical Transportation: Highway crashes/ incidents can cause a temporary disruption to the function and operation of the transportation system that requires no or minimal repair. More extensive damage, requiring repair, reconstruction, or replacement, can occur if the crash impacts the transportation facility structurally (i.e. a bridge support).

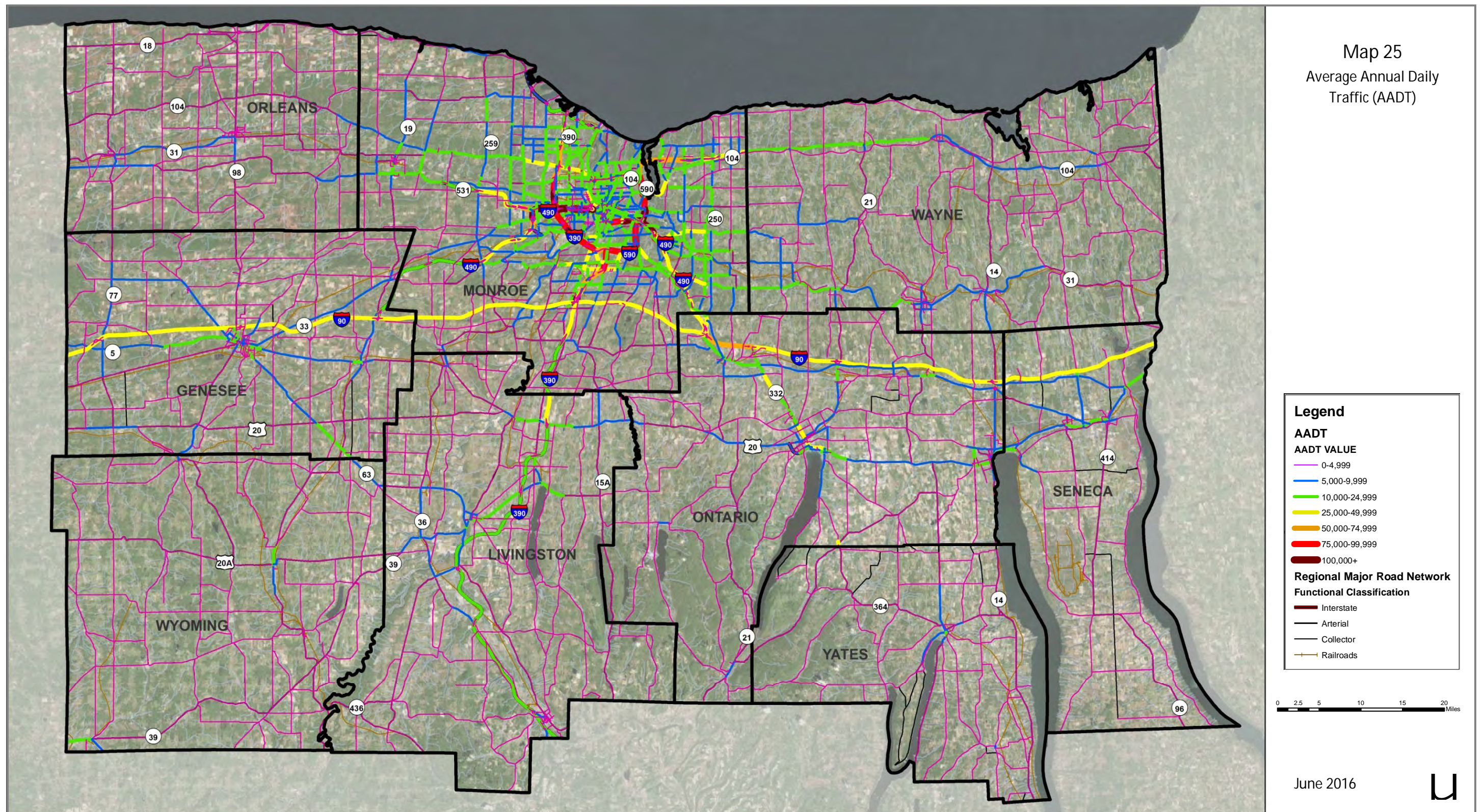
Derailments

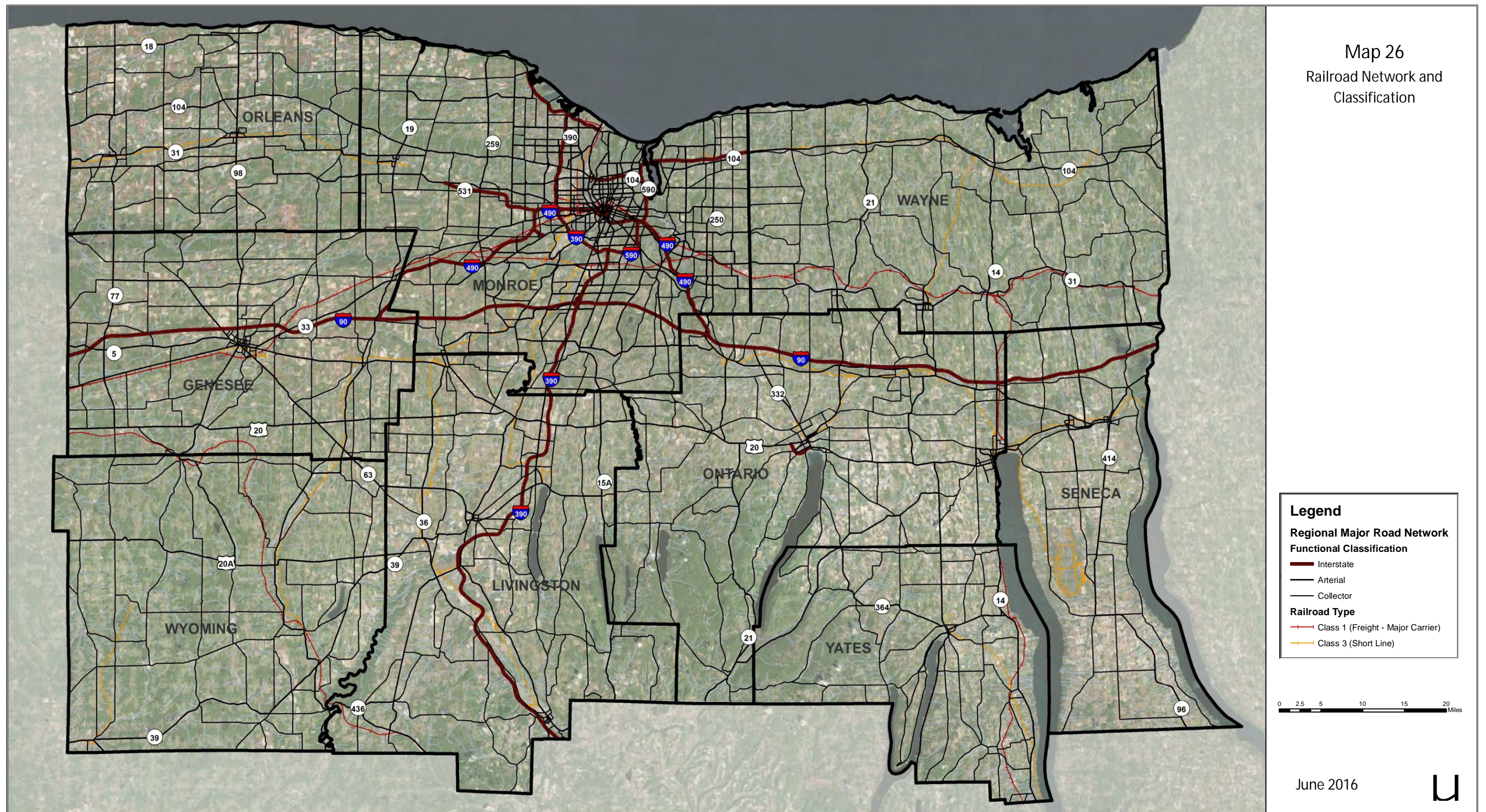
Definition: When a train runs off its track, potentially overturning and spilling contents.

Geographic extent: Derailments can occur along any portion of the rail network. Map 26 identifies the region's rail network by classification. The CSX rail line that spans from east to west through Wayne, Monroe, and Genesee Counties handles numerous hazardous material container shipments. Additionally, Amtrak operates along this line, running the Empire service between Buffalo and Albany, Lake Shore Limited service between Chicago and Boston/ New York City, and Maple Leaf service between Toronto and New York City. There are numerous at-grade crossings throughout the Genesee-Finger Lakes Region, creating conflict points between highway and rail transportation.

Potential Impact to Critical Transportation: Derailments can impact critical transportation assets by resulting in a temporary blockage of a highway or railroad that requires no or minimal repair or can cause a more substantial crash that results in extensive damage, requiring repair, reconstruction, or replacement, especially if the structure of a facility is impacted.

Historical Events: On January 16, 2007, a CSX intermodal freight train partially derailed near the South Lincoln underpass in the Village of East Rochester, causing nine cars to roll off an embankment. The derailment caused damage to personal property and forced the closure of Lincoln Road for two days for cleanup to occur.





County by County Profile of Hazards

Building upon the region-wide hazards assessed previously, this profile takes what was identified in each County's All-Hazard Mitigation Plan coupled with what we heard from stakeholders to identify the hazards that each county or agency feel pose the greatest risk their critical transportation assets.

The New York State Department of Transportation conducted an exercise recently that identified the critical roadways, bridges, and culverts that were either recently impacted by hazard events, that are routinely impacted by hazard events, or that have the potential to be impacted by hazard events. The exercise went a step further to indicate which critical transportation assets that experienced hazard events were vulnerable to future events and whether that vulnerability was low, moderate, or high.

The manner in which critical transportation assets that have been identified in County All-Hazard Mitigation Plans or by stakeholders to have been impacted by hazard events are portrayed is to map each county in the Genesee-Finger Lakes Region and indicate the locations or "hot spots" where hazards have affected or are known to affect critical transportation assets along with a written description that explains what hazards have affected critical transportation and, if known, the impacts of such hazard event.

Genesee County

The most likely hazards to impact Genesee County, as indicated in the Genesee County Multi-Jurisdictional All-Hazard Mitigation Plan and identified by stakeholders, are ice storms, floods, severe winter storms, and hazmat in transit spills. In particular, lake effect snow from Lake Erie has the potential to create localized impacts.

Between 1997 and 2006, there were six recorded ice storm events in Genesee County. Ice storms have a county-wide impact on critical transportation assets and have cascading effects that can result in utility failure, highway crashes/ incidents, flooding, ice jams, and structural damage that have also impacted critical transportation assets.

Flooding is a major destructive natural hazard in Genesee County, and primarily occurs in three locations – 1.) Along Tonawanda Creek from the Wyoming County line to the City of Batavia, 2.) Northeastern corner of the County where Black Creek is the source of flooding, and 3.) The low-lying swampy area in the northern portion of the County.

Severe storms that result in heavy rains and ice jams were identified as high risks because of their potential to create or exacerbate flooding in the areas prone to flooding. Locations along Tonawanda and Black Creek are especially prone to annual ice jam flooding.

Between 1993 and 2006, there were 50 recorded occurrences of severe winter storms in Genesee County that involved heavy snow or a combination of snow, ice, and wind. Winter weather events

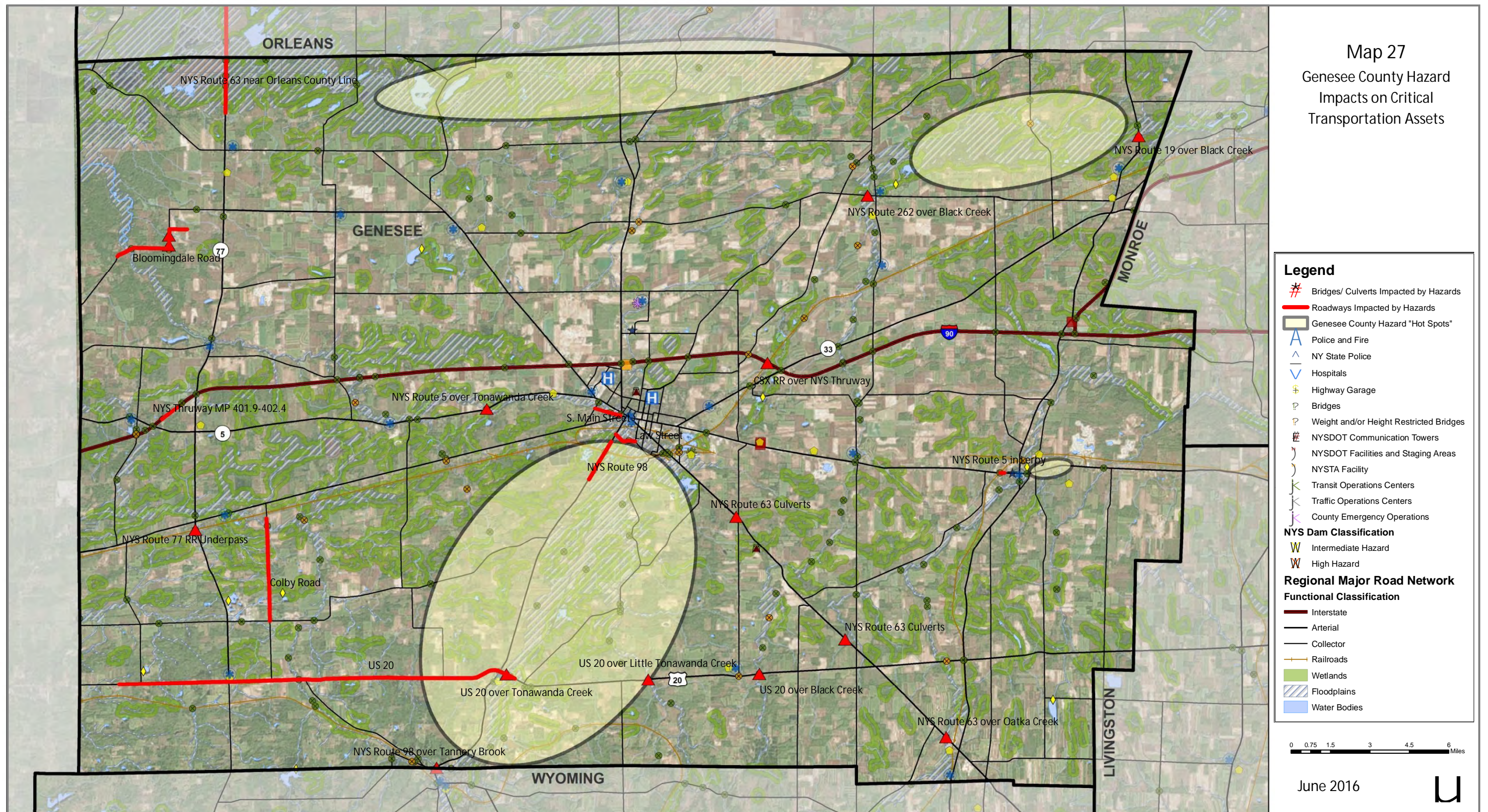
impact the entire county, therefore it is difficult to pinpoint specific locations that are prone to winter weather events, however, most severe winter weather events are due to lake effect snow, which occurs in narrow bands and can have serious impacts in one location while having minimal impact on a nearby location. Major lake effect storms can cause the closure of portions of the New York State Thruway, resulting in traffic diverting to surface roads around Genesee County or staging at Thruway rest stops or truck stops.

There have been 458 reported hazmat in transit spills in Genesee County between 1978 and 2005. The most common materials involved in spills are diesel fuel, gasoline, kerosene, oil, hydraulic oil, and agricultural chemicals. While these incidents occur county-wide, they are prone to occur on the New York State Thruway, NYS Route 33, NYS Route 63, and near the Pembroke exit of the Thruway. An area of heightened concern that was identified was the CSX railroad bridge over I-90 where any train derailment or spill could result in serious impacts to the NYS Thruway.

Map 27 shows the locations of critical transportation assets that are impacted by hazard events and Table 7 identifies the areas where hazard events tend to impact critical transportation assets.

Table 7: Genesee County Hazard Impacts on Critical Transportation Assets

Transportation Assets	Hazard Impact(s)
Tonawanda Creek between Wyoming County line and City of Batavia	Flooding
Black Creek in northeast portion of County	Flooding
Northern portion of County	Flooding
New York State Thruway (MP 401.9 – MP 402.4)	Shoulder Flooding
NYS Route 63 near Orleans County line	Flooding – Swamp area floods during heavy rains.
NYS Route 262 over Black Creek	Flooding
NYS Route 19 over Black Creek overflow	Flooding
Bloomington Road and nearby culverts	Flooding – Low lying fields overflow during heavy rains.
NYS Route 77 railroad underpass	Flooding – During heavy rains, pumps can't handle flows.
NYS Route 5 over Tonawanda Creek	Flooding
NYS Route 98 over Tannery Brook	Flooding
US 20 over Tonawanda Creek	Flooding
US 20 over Little Tonawanda Creek	Flooding
US 20 over Black Creek	Flooding
NYS Route 63 Culverts	Flooding – Culverts overflow during heavy rains.
NYS Route 63 over Oatka Creek	Flooding
NYS Route 5 in Village of Leroy	Flooding – Culvert overflows during heavy rains.
US 20	Flooding – Drainage inlets overflow during heavy rains.
Colby Road	Flooding – Cross culverts overflow during heavy rains.
Law Street – Batavia	Flooding
NYS Route 98 at Batavia City line	Flooding
South Main Street – Batavia	Flooding
CSX Railroad over NYS Thruway	Hazmat in transit incident



Livingston County

The most likely hazards to impact Livingston County, as indicated in the Livingston County Multi-Jurisdictional All-Hazard Mitigation Plan and identified by stakeholders, are hazmat in transit spills, flooding, and ice storms.

I-390 along with several major local arterial roads, including NYS Route 63, handle high volumes of hazmat in transit and thus are prone to hazmat spills. On average, Livingston County experiences at least one hazmat in transit spill, other than diesel fuel, every year.

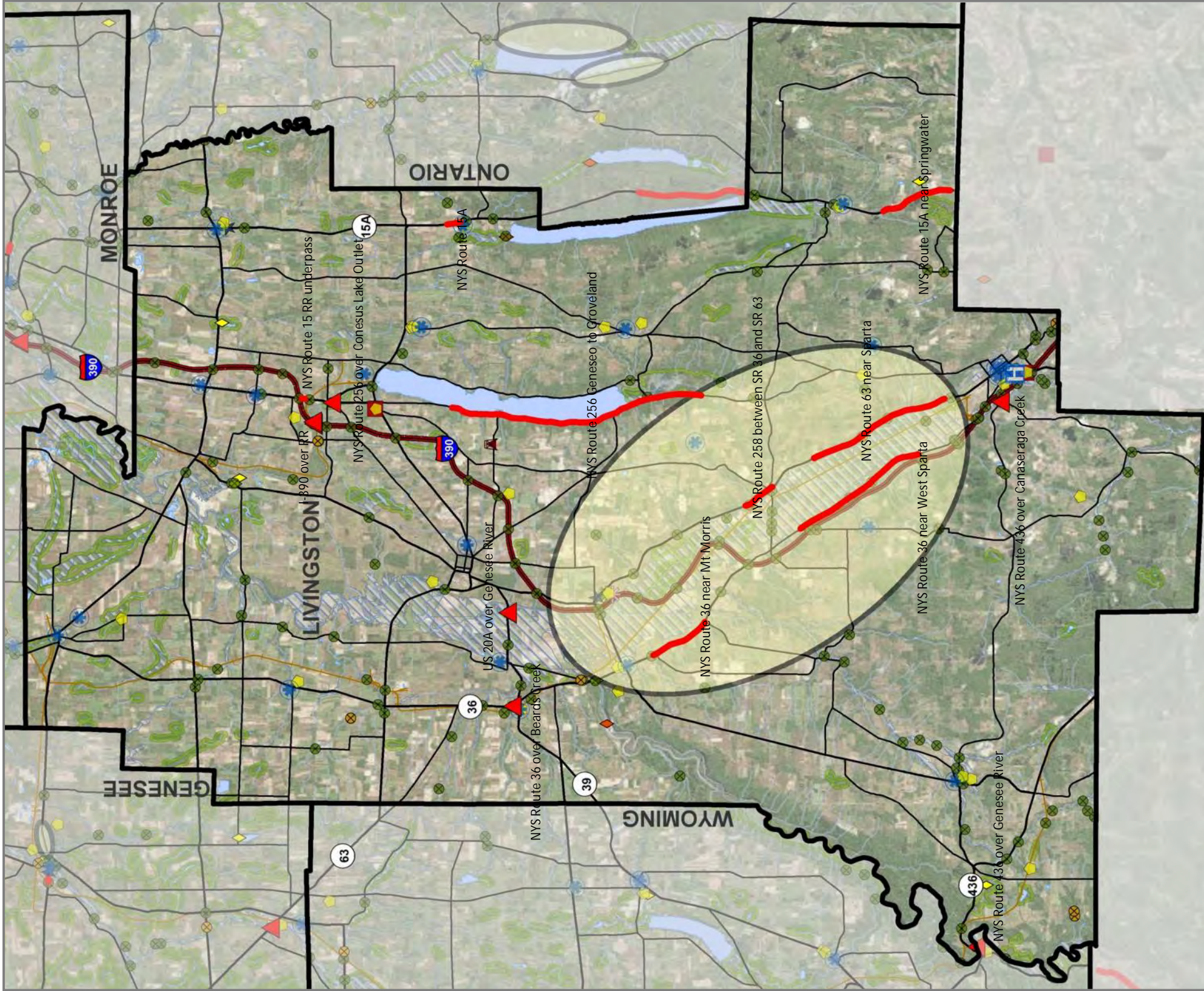
The greatest impact from ice storms is the cascading effect of downed power lines and tree limbs that block transportation corridors and can block drainageways, causing them to overspill their banks.

There are several areas of Livingston County that are most prone to flooding. The flats in West Sparta and Groveland flood two to three times per year and can often cause closure of east-west roadways through the area. Keshequa Creek has the potential to rise rapidly and cause significant damage. Thus, the U.S. Army Corps of Engineers has assisted with the construction of a flood control project in the Village of Nunda and the Towns of Nunda and Portage. The Canaseraga Creek and Genesee River valleys also have the potential to flood.

Table 8 identifies the locations of hazard events in Livingston County that impact critical transportation assets, which are also portrayed on Map 28.

Table 8: Livingston County Hazard Impacts on Critical Transportation Assets

Transportation Assets	Hazard Impact(s)
Genesee River and Canaseraga Creek valleys	Flooding
I-390 over Livonia, Avon & Lakeville Railroad	Flooding
NYS Route 15 under Livonia, Avon & Lakeville Railroad	Flooding – Swamp area floods during heavy rains.
NYS Route 256 over Conesus Lake outlet	Flooding
NYS Route 15A near Hemlock	Flooding – Driveway culverts plug with debris.
NYS Route 256 Geneseo to Groveland	Flooding – Culvert plug with debris from hills.
US 20A over Genesee River	Flooding
NYS Route 36 over Beards Creek	Flooding
NYS Route 36 near Mount Morris	Flooding – Culvert plug due to runoff from hills.
NYS Route 258 between NYS Route 36 and NYS Route 63	Flooding – Low lying road floods during heavy rains.
NYS Route 36 near West Sparta	Flooding – Culverts plug due to runoff from hills.
NYS Route 63 near Sparta	Flooding – Culverts plug with debris from hills.
NYS Route 15A near Springwater	Flooding – Ditch overflows during heavy rains.
NYS Route 436 over Canaseraga Creek	Flooding
NYS Route 436 over Genesee River	Flooding



Map 28
Livingston County Hazard
Impacts on Critical
Transportation Assets

Legend

- Bridges/ Culverts Impacted by Hazards
- Roadways Impacted by Hazards
- Livingston County Hazard "Hot Spots"
- Police and Fire
- NY State Police
- Hospitals
- Highway Garage
- Bridges
- Weight and/or Height Restricted Bridges
- NYSDOT Communication Towers
- NYSDOT Facilities and Staging Areas
- NYSTA Facility
- Transit Operations Centers
- Traffic Operations Centers
- County Emergency Operations

NYS Dam Classification

- Intermediate Hazard
- High Hazard

Regional Major Road Network

Functional Classification

- Interstate
- Arterial
- Collector
- Railroads
- Wetlands
- Floodplains
- Water Bodies



June 2016

Monroe County

The most likely hazards to impact Monroe County, as indicated in the Monroe County Pre-Disaster Mitigation Plan and identified by stakeholders, are ice storms, flooding, severe storms (including winter storms), and hazmat in transit spills. Monroe County has indicated that the focus of their hazard mitigation planning is on traffic operations and emergency management rather than concern over road closures due to hazards; primarily because the Rochester area has a good roadway grid that can handle road closures and/or detours in the event of a hazard.

Ice storms have the potential to result in cascading effects, such as power failure, ice jams, flooding, and highway crashes. While ice storms have the potential to impact the entire county, a few areas are more prone to the impacts of ice storms, such as I-90, I-390/ NYS Route 390, I-490, I-590/ NYS Route 590, NYS Route 531, and NYS Route 104. Monroe County experiences some level of ice storm almost annually.

Floods that impact Monroe County are typically prone to areas around Red Creek, Black Creek, Oatka Creek, Honeoye Creek, Irondequoit Creek, Allens Creek, the Genesee River, and the south shore of Lake Ontario. Mount Morris Dam was constructed for the sole purpose of controlling flooding along the Genesee River. Additionally, urban flooding and flash floods occur regularly during heavy rain storms throughout the City of Rochester where aging infrastructure cannot handle high volumes of water.

The deterioration of the West River Wall in the City of Rochester (between Corn Hill and Ford Street) is of major concern. The wall was decommissioned in 2008 by FEMA and as such, resulted in numerous properties having to obtain flood insurance. Exchange Boulevard in the City, along with numerous streets within the historic Corn Hill Neighborhood, have the potential to be severely flooded should a 100-year flooding event occur. This could also impact roadways that are part of the regional transportation network, especially roadways that provide access in and out of downtown Rochester. The City of Rochester is currently working with FEMA to address the situation.

Severe storms (including winter storms) are identified as a frequent event in Monroe County, occurring on average more than once a year. Severe storms can lead to cascading effects such as utility failure, urban and flash flooding, slowed emergency response time, and highway crashes/incidents.

There are several highway and railroad corridors throughout Monroe County that handle shipments of hazardous materials. The surface transportation corridors most prone to hazmat in transit spills are I-90, I-490, I-590/ NYS Route 590, I-390/ NYS Route 390, NYS Route 531, interchanges and routes to industrial centers, CSX railroad (east-west corridor), and Rochester & Southern Railroad. Monroe County has a number of plans that focus more closely on hazmat spills such as the Hazardous Materials Response Plan, NYS Thruway Exit 46 Emergency Plan, Railroad Emergency Plan, Greater

Rochester International Airport Emergency Plan, Aircraft Emergency Disaster Plan: Off-Site of the Greater Rochester International Airport, and Marine Emergency Plan.

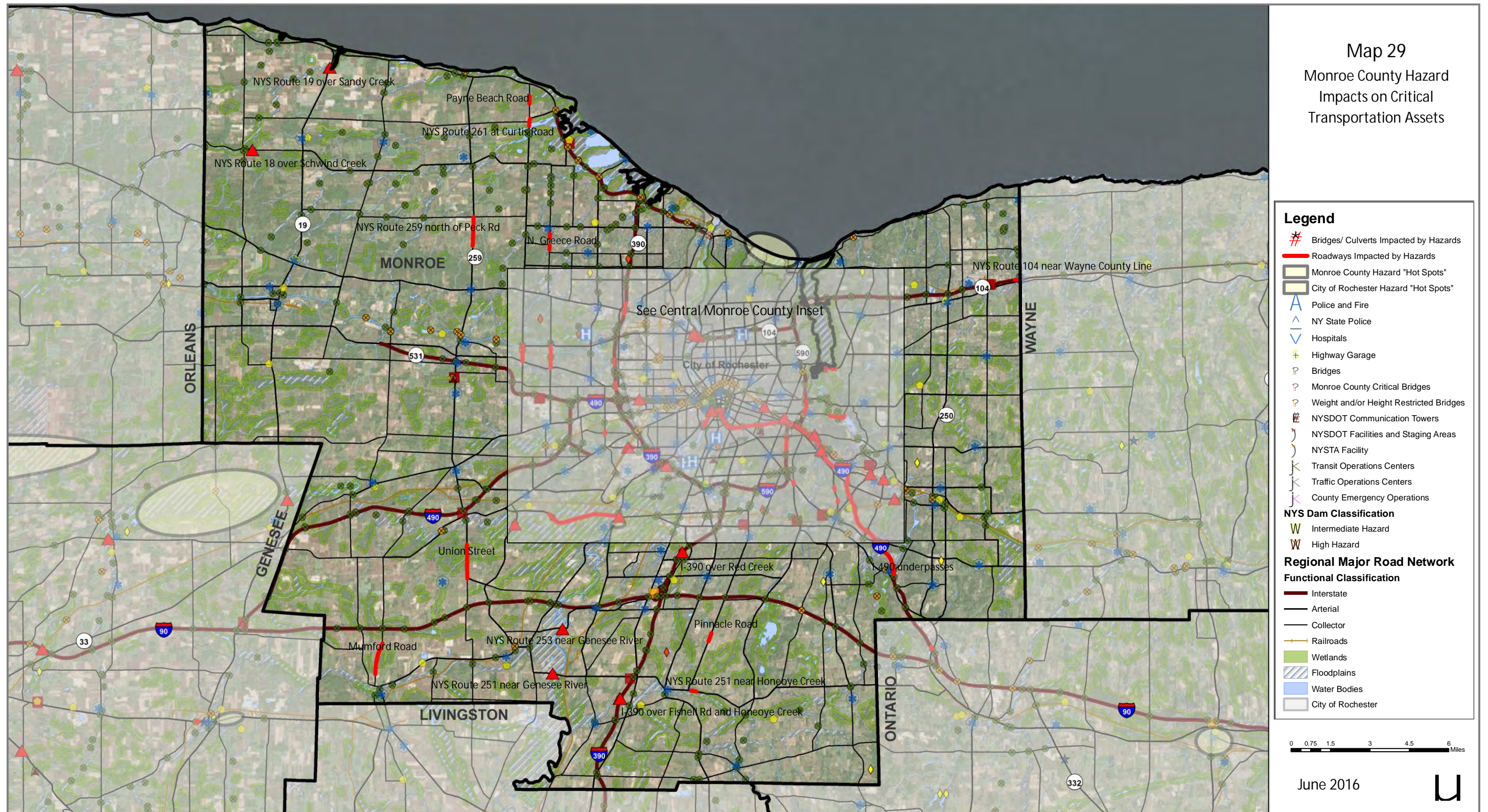
Table 9 identifies the locations of hazard events in Monroe County that impact critical transportation assets, which are also portrayed on Map 29. The following section offers a closer look at the central portion of Monroe County, centered on the City of Rochester.

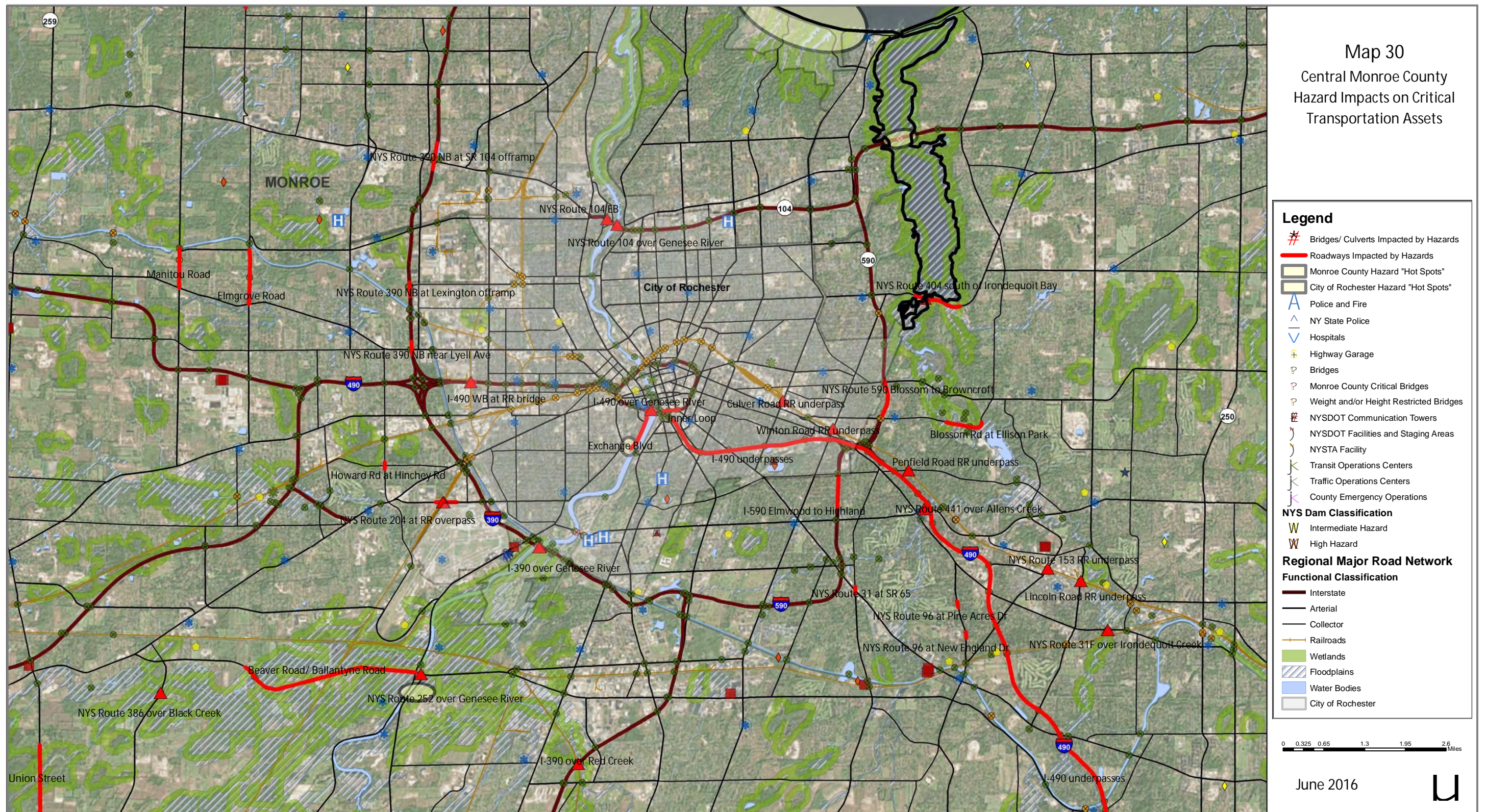
Table 9: Monroe County Hazard Impacts on Critical Transportation Assets

Transportation Assets	Hazard Impact(s)
Lake Shore Blvd near Durand Eastman Beach	Flooding
NYS Route 18 over Schwind Creek	Flooding
NYS Route 259 north of Peck Road	Flooding – Highway ditch floods due to runoff.
NYS Route 261 at Curtis Road	Flooding
NYS Route 253 near Genesee River	Flooding
NYS Route 251 near Genesee River	Flooding
I-390 over Fishell Road and Honeoye Creek	Flooding – Drainage inlets clog with debris causing floods.
I-390 over Red Creek	Flooding
I-490 underpasses	Flooding – Underpasses flood during heavy rains.
NYS Route 251 near Honeoye Creek	Flooding
NYS Route 19 over Sandy Creek	Flooding – Multiple small factors contribute to flooding issues.
NYS Route 104 near Wayne County line	Flooding – Ditch and culverts overflow in heavy rains.
Lake Ontario State Parkway	Lake effect snow/ blowing snow
Payne Beach Road	Flooding
N. Greece Road	Flooding
Union Street	Flooding
Mumford Road	Flooding
Pinnacle Road	Flooding

Additionally, the following locations that are not part of the regional major road network, but rather part of the local roadway network, experience flooding during heavy rain/ runoff events:

- Huffer Road at Lake Ontario State Parkway
- Payne Beach Road at Lakeshore Drive
- Ling Road at railroad tracks
- Ward Hill Road
- Woolston Road in Powder Mills Park
- Park Road in Powder Mills Park
- Griffin Road at Palmer Road
- Bovee Road at Malloch Road
- Beulah Road south of Town of Riga/ Town of Wheatland town line
- Locations where roads pass under railroad tracks via a sag curve





The Central Monroe County inset focuses in on those hazards that impact critical transportation assets throughout the City of Rochester and nearby suburbs, identified in Table 10 and shown in Map 30.

Table 10: Central Monroe County Hazard Impacts on Critical Transportation Assets

Transportation Assets	Hazard Impact(s)
Under Ford Street Bridge	Flooding
Red Creek south of East River Road	Flooding
NYS Route 104 over Irondequoit Bay	Wind – Roadway subject to high winds.
NYS Route 153 railroad underpass	Flooding – Drainage inlets clog with debris causing floods.
NYS Route 31F over Irondequoit Creek	Flooding – Closed drainage overwhelmed during heavy rains.
I-490 underpasses	Flooding – Underpasses flood during heavy rains.
I-390 over Red Creek	Flooding
NYS Route 96 at New England Drive	Flooding – Drainage inlets plug with debris at underpass.
NYS Route 96 at Pine Acres Drive	Flooding – High velocity runoff flows into old canal
NYS Route 31 at NYS Route 65	Flooding – Culverts plug with debris
NYS Route 441 over Allens Creek	Flooding and Landslide – History of slope failure during heavy rains.
I-590 Elmwood to Highland	Flooding – Closed drainage overflows during heavy rain.
NYS Route 252 over Genesee River	Flooding
NYS Route 386 over Black Creek	Flooding
I-390 over Genesee River	Flooding – Washout overwhelmed during heavy rains.
Blossom Road at Ellison Park	Flooding and erosion issues.
NYS Route 590 Blossom to Browncroft	Flooding – Median closed drainage overwhelmed during heavy rains.
NYS Route 204 at railroad overpass	Flooding

Howard Road at Hinchey Road	Flooding – Culverts plus due to runoff from hill.
I-490 westbound at railroad bridge	Flooding
NYS Route 390 northbound near Lyell Avenue	Flooding – Closed drainage overwhelmed during heavy rain.
NYS Route 390 northbound – Lexington off ramp	Flooding – Closed drainage overwhelmed during heavy rain.
NYS Route 390 northbound – NYS Route 104 off ramp	Flooding – Large debris blocks drainage structure.
I-490 over Genesee River	Flooding
NYS Route 940T (Inner Loop) at South Avenue Exit and Monroe Avenue Exit	Flooding – Culverts plug due to runoff from hill.
NYS Route 104 eastbound ramp under Veterans Bridge	Flooding
NYS Route 104 over Genesee River	Flooding
NYS Route 404 south of Irondequoit Bay	Flooding
Lincoln Road railroad underpass	Flooding
Culver Road railroad underpass	Flooding
Winton Road railroad underpass	Flooding
Penfield Road railroad underpass	Flooding
Beaver Road/ Ballantyne Road	Flooding
Exchange Boulevard between Ford Street and I-490	Flooding
Manitou Road	Flooding
Elmgrove Road	Flooding
Union Street	Flooding

Ontario County

The most likely hazards to impact Ontario County, as indicated in the Ontario County All-Hazard Mitigation Plan and identified by stakeholders, are ice storms, severe storms (including winter storms), flooding, and hazmat in transit spills.

Since 1991, there have been five recorded ice storm incidents, two of which were federally declared events. Ice storms are generally felt county-wide and have cascading impacts of downed trees and power lines that block transportation routes and result in highway crashes/ incidents.

Since 1956, there have been 88 severe storm reports in Ontario County, which includes 61 thunderstorms, 10 windstorms, 13 hail storms, and three lightning strikes. The greatest impact from severe storms are the cascading impacts of downed power lines and trees that block transportation routes, wind damage to structures, highway crashes/ incidents, and localized flooding. Additionally, there have been 30 winter storm events and one blizzard recorded since 1991. The impacts of winter storms are felt county-wide.

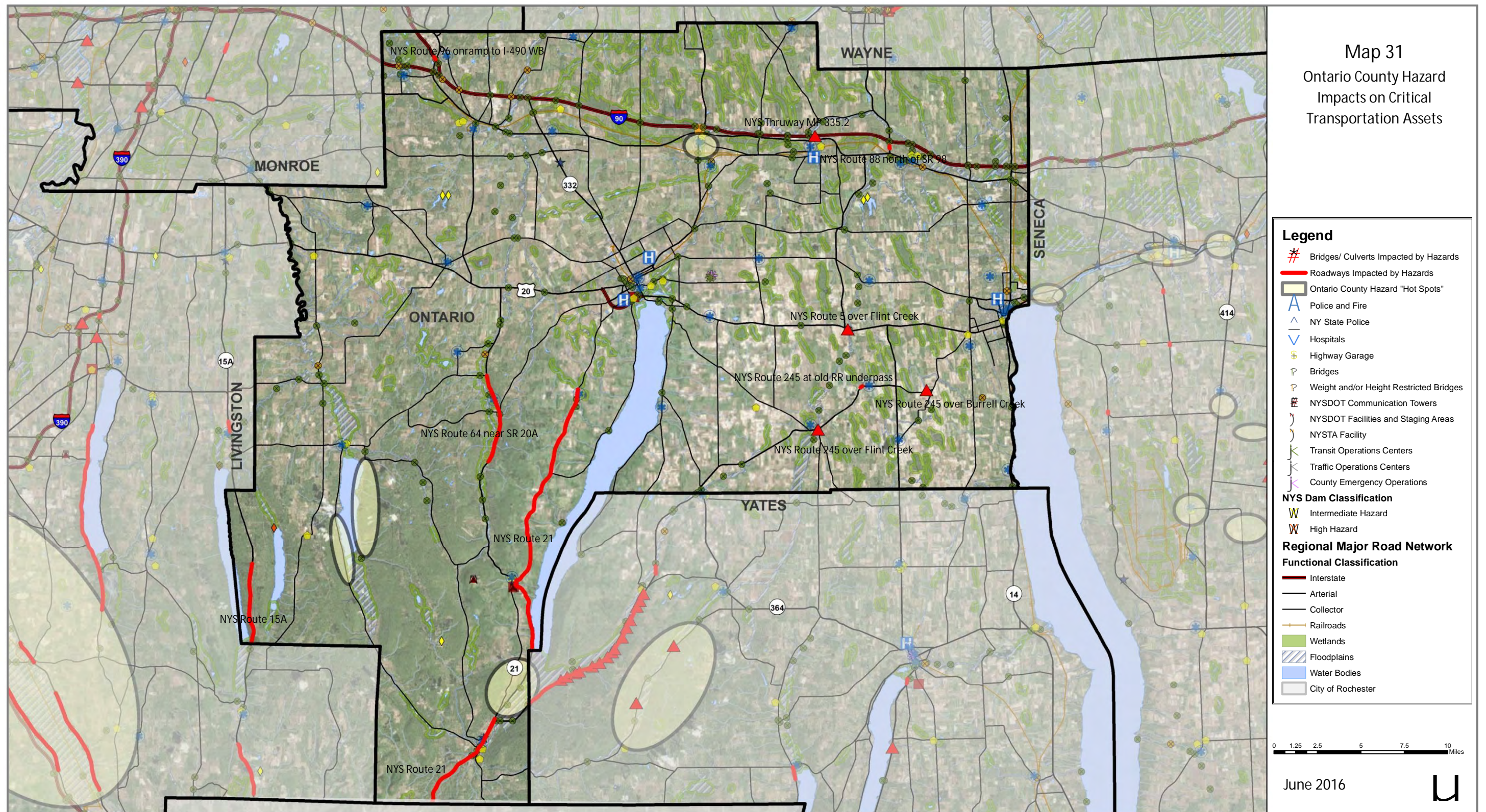
There have been six recorded major county-wide flooding events in Ontario County since 1993, two of which were federally declared events. While flooding occurs county-wide, the Towns of Richmond, East Bloomfield, Bristol, and Naples are most prone to flooding.

Hazmat in transit spills can occur anywhere along the county's transportation network, but are most prone to occur along I-90, NYS Route 96, NYS Route 21, NYS Route 332, NYS Route 5/ US 20, NYS Route 14, US 20A, roadways leading to industrial areas, and railroads in the Towns of Victor, Farmington, Manchester, Phelps, Geneva, Hopewell, Canandaigua, Cities of Canandaigua and Geneva, and Villages of Victor, Shortsville, Manchester, Clifton Springs, and Phelps.

Table 11 identifies the locations of hazard events in Ontario County that impact critical transportation assets, which are also portrayed on Map 31.

Table 11: Ontario County Hazard Impacts on Critical Transportation Assets

Transportation Assets	Hazard Impact(s)
NYS Route 21 south of I-90	Flooding
East of Honeoye Lake	Flooding
New York State Thruway (MP 335.2)	Shoulder Flooding (Eastbound)
NYS Route 96 on ramp to I-490 westbound	Slope failure – Repaired twice in last 10 years.
NYS Route 88 north of NYS Route 96	Flooding – Culverts plug with debris from hills.
NYS Route 5 over Flint Creek	Flooding
NYS Route 245 at old railroad underpass in Stanley	Flooding – Drainage inlets clog with debris.
NYS Route 245 over Flint Creek	Flooding
NYS Route 245 over Burrell Creek	Flooding
NYS Route 64 between NYS Route 20A and south of Dugway Road	Flooding – Cross culverts overflows during heavy rains.
NYS Route 21 between Cheshire and Naples	Flooding and erosion
NYS Route 15A in Canadice	Flooding – Road lower than water elevation in adjacent flats during spring.
NYS Route 21 near Naples	Flooding



Orleans County

The most likely hazards to impact Orleans County, as indicated in the Orleans County Multi-Jurisdictional All-Hazard Mitigation Plan and identified by stakeholders, are severe winter storms (often times accompanied by high winds), floods, and hazmat in transit spills.

Between 1993 and 2005, there were 43 identified occurrences of severe winter storms in Orleans County that involved heavy snow or a combination of snow and wind. Additionally, there were six reported ice storm events. Winter weather events impact the entire county, therefore it is difficult to pinpoint specific locations that are prone to winter weather events. Portions of Orleans County are subject to lake effect snow storms from both Lake Ontario and Lake Erie and can result in a wide variation of conditions across the county.

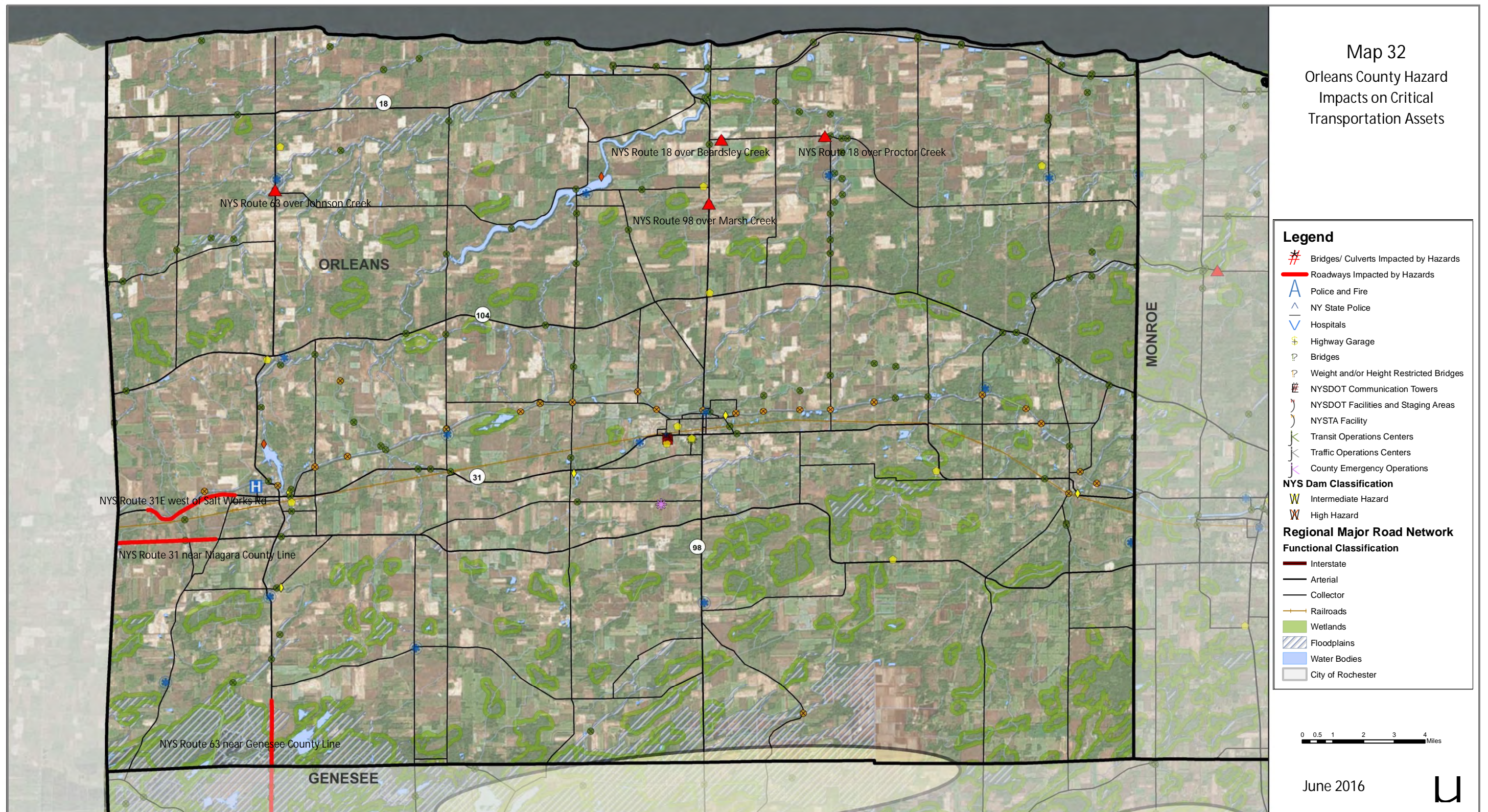
There have been 17 recorded major flooding events in Orleans County between 1993 and 2006, in addition to seasonal flooding events that occur every year.

Between 1978 and 2005, there have been 240 recorded hazmat in transit spills in Orleans County, including those from rail derailments. The most common materials involved in the spills were diesel, gasoline, and other petroleum products. While incidents have occurred county-wide, they tend to be more focused on the major transportation routes.

Table 12 identifies the areas in Orleans County where NYSDOT or other local stakeholders have indicated that critical transportation Assets are known to be affected by hazard events. These areas are also portrayed on Map 32.

Table 12: Orleans County Hazard Impacts on Critical Transportation Assets

Transportation Assets	Hazard Impact(s)
NYS Route 18 over Beardsley Creek	Flooding
NYS Route 18 over Proctor Creek	Flooding
NYS Route 63 over Johnson Creek	Flooding
NYS Route 98 over Marsh Creek	Flooding
NYS Route 31 near Niagara County Line	Flooding – Ditch overflows during heavy rains.
NYS Route 31E west of Salt Works Road	Flooding – Ditch overflows during heavy rains.
NYS Route 63 near Genesee County line	Flooding – Swamp area floods during heavy rains.
Lake Ontario State Parkway	Lake effect snow/ blowing snow



Seneca County

The most likely hazards to impact Seneca County, as indicated in the Seneca County All-Hazard Mitigation Plan and identified by stakeholders, are flooding, ice storms, severe storms (including winter storms), and hazmat in transit spills.

Flooding is identified as the single greatest hazard for Seneca County. Flash flooding as a result of heavy rains is an annual event and can occur at any low lying area or areas with poor drainage. Areas most prone to flash flooding include poor drainage areas in Waterloo, Seneca Falls, Fayette, Romulus, and Interlaken as well as along the following creeks: Silver Creek in Waterloo, Sheldrake Creek east of the Village of Ovid, and Kendig Creek in the Town of Waterloo. Lakeshore flooding is also a major concern, however this tends to impact personal property more than the transportation system.

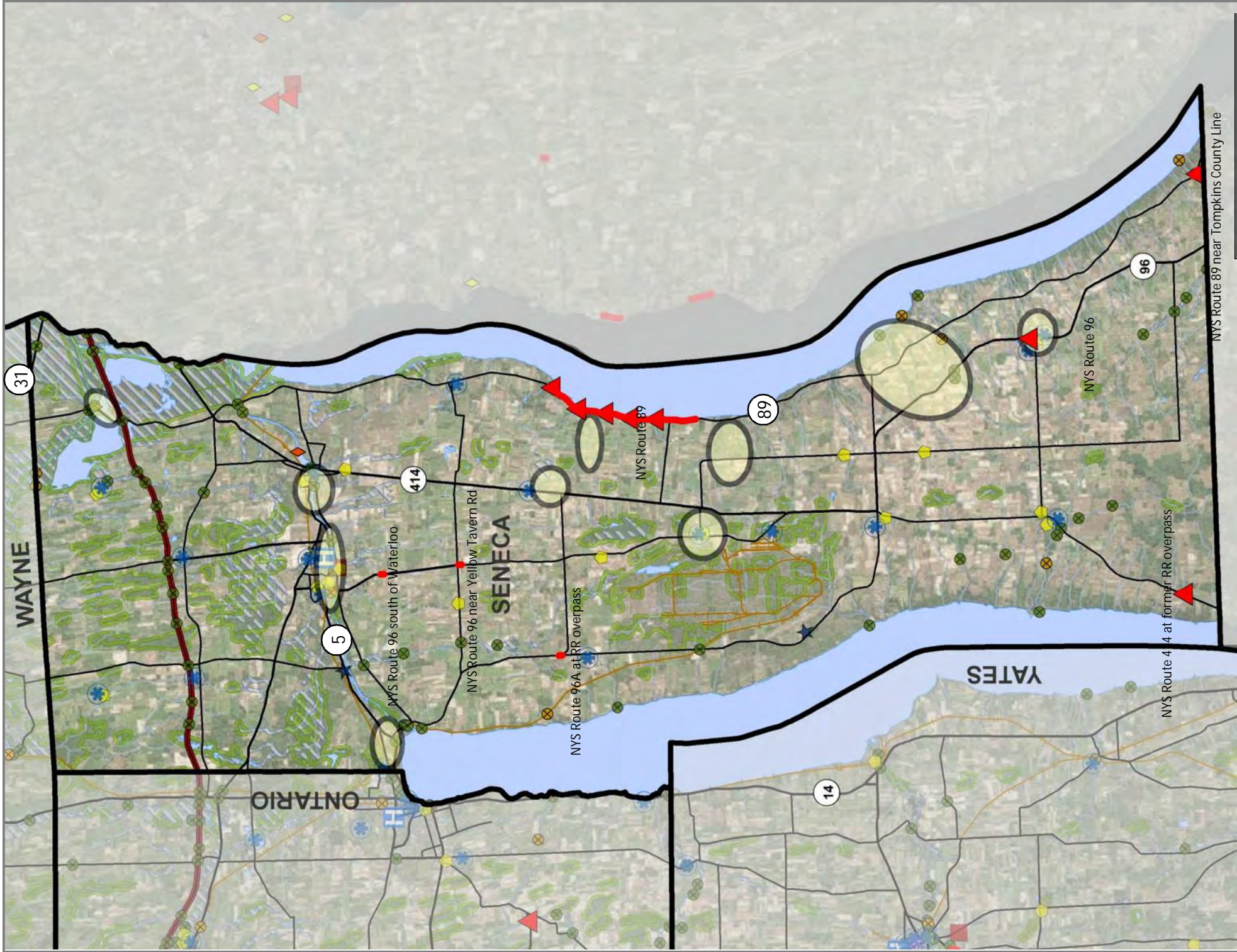
Severe storms that dump an inch or more of rain occur annually and can result in flash flooding in prone areas. Winter storms occur frequently during the winter months across the county, with ice storms occurring more sporadically.

The potential for hazmat in transit spills exists county-wide, but is more prone to the New York State Thruway, NYS Route 318, NYS Route 414, NYS Route 89, NYS Route 96, NYS Route 96A, and NYS Route 5/ US 20.

Table 13 identifies the locations of hazard events in Seneca County that impact critical transportation assets, which are also portrayed on Map 33.

Table 13: Seneca County Hazard Impacts on Critical Transportation Assets

Transportation Assets	Hazard Impact(s)
NYS Route 96 south of Waterloo	Flooding – Runoff during heavy rain overtops roadway.
NYS Route 96 near Yellow Tavern Road	Flooding – Water overtops roadway due to snow melt and ice dams.
NYS Route 96A at railroad overpass	Flooding – Drainage system is deteriorating and becomes clogged with debris.
NYS Route 89	Flooding – Inadequate drainage systems cause water to overtop roadway.
NYS Route 96 in Village of Interlaken	Flooding – Damaged culverts cause water to overtop roadway.
NYS Route 414 at former railroad overpass	Flooding – Drainage system is deteriorating and becomes clogged with debris.
NYS Route 89 near Tompkins County Line	Flooding – Inadequate drainage systems cause water to overtop roadway.



Legend

- Bridges/ Culverts Impacted by Hazards
- Roadways Impacted by Hazards
- Seneca County Hazard "Hot Spots"
- Police and Fire
- NY State Police
- Hospitals
- Highway Garage
- Bridges
- Weight and/or Height Restricted Bridges
- NYSDOT Communication Towers
- NYSDOT Facilities and Staging Areas
- NYSTA Facility
- Transit Operations Centers
- Traffic Operations Centers
- County Emergency Operations

NYS Dam Classification

- Intermediate Hazard
- High Hazard

Regional Major Road Network

Functional Classification

- Interstate
- Arterial
- Collector
- Railroads
- Wetlands
- Floodplains
- Water Bodies

Map 33
Seneca County Hazard
Impacts on Critical
Transportation Assets



June 2016

Wayne County

The most likely hazards to impact Wayne County, as indicated in the Wayne County Multi-Jurisdictional All-Hazard Mitigation Plan Update and identified by stakeholders, are severe storms (including winter storms), ice storms, hazmat in transit spills, terrorism, and highway crashes/incidents.

Between 1955 and 2012, there have been 137 severe storm reports in Wayne County, and additionally, there have been four ice storm reports. Further, there have been 37 reported severe winter storm events between 1955 and 2012. The greatest impact from severe storms and ice storms are the cascading impacts of downed power lines and trees, blocked transportation routes, highway crashes/incidents, and flooding. While severe storms and ice storms can have an impact county-wide, more localized lake effect snow off of Lake Ontario tends to impact the northern third of Wayne County (generally north of NYS Route 104) greater than other portions of the county.

There have been 40 recorded major flooding events in Wayne County between 1960 and 2012, in addition to seasonal flooding events that occur every year. The greatest potential for flooding in Wayne County exists in the southeastern corner, primarily in the Towns of Savannah and Galen. Further, the Red Creek Dam in the Village of Red Creek is considered by the NYSDEC as deficient because of issues with seepage, maintenance, structural, no dam stability analysis, and no spillway capacity analysis. There are two recorded incidents of dam failure associated with Red Creek Dam, both of which resulted in flooding. There have been no recorded events of flooding due to fluctuating levels of Lake Ontario.

While there have been 12 recorded incidents of landslides along the Lake Ontario shoreline, none of these were reported to have any impact on the transportation system and typically involve minor impacts to private land atop the bluffs.

There have been 215 reported hazmat in transit spills between 1950 and 2012. Hazmat in transit spills occur multiple times each year and involve both commercial trucks and trains. The most common materials spilled include diesel fuel, gasoline, hydraulic oil, fertilizers, and other petroleum products. The CSX railroad that traverses Wayne County east-to-west handles approximately 130-150 tank cars carrying hazardous materials each day. The Lyons Switching Yard acts as a major train switching operation in Wayne County.

Between 2005 and 2012, there were 37 highway crashes in Wayne County that resulted in fatalities. The Wayne County Multi-Jurisdictional All Hazard Mitigation Plan Update listed NYS Routes 31 and 104 as the corridors experiencing the most highway crashes.

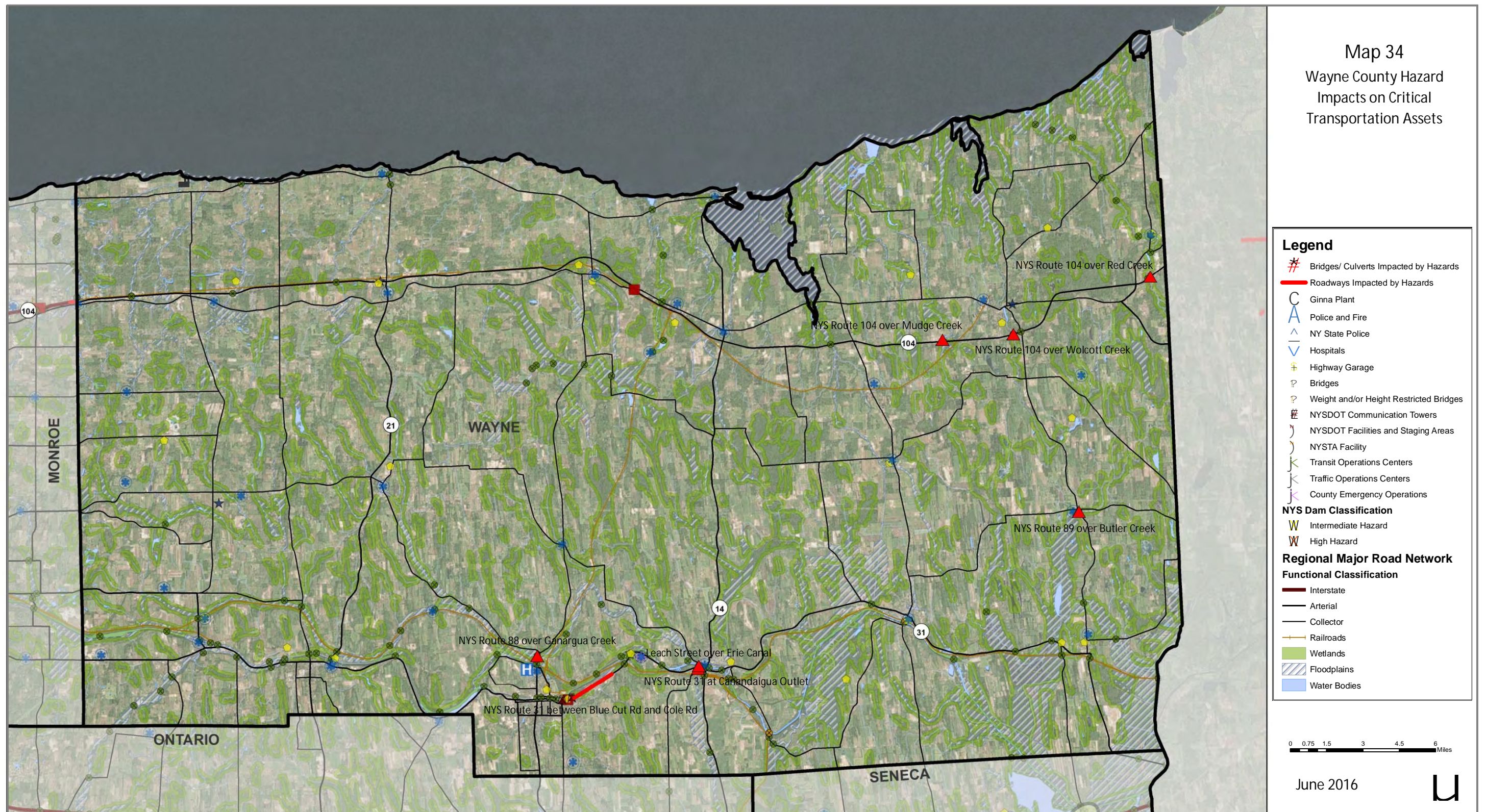
The Ginna Nuclear Power Plant sits along the Lake Ontario shoreline in Wayne County. The greatest impact to critical transportation assets that could result from a mishap at the plant would be a disruption to the evacuation route. The Wayne County Highway Department ensures that above all,

the roadways included in the evacuation route are passable during hazard events, both for emergency response and evacuation.

Table 14 identifies the locations of hazard events in Wayne County that impact critical transportation assets, which are also portrayed on Map 34.

Table 14: Wayne County Hazard Impacts on Critical Transportation Assets

Transportation Assets	Hazard Impact(s)
NYS Route 88 over Ganargua Creek	Flooding
NYS Route 31 between Blue Cut Road and Cole Road	Flooding – Overflows with extended periods of rain.
NYS Route 31 at Canandaigua outlet	Flooding
Leach Street over Erie Canal	Flooding
NYS Route 104 over Red Creek	Flooding
NYS Route 104 over Wolcott Creek	Flooding
NYS Route 104 over Mudge Creek	Flooding
NYS Route 89 over Butler Creek	Flooding
NYS Route 104	Lake effect snow/ blowing snow



Wyoming County

The most likely hazards to impact Wyoming County, as indicated in the Wyoming County Multi-Jurisdictional All-Hazard Mitigation Plan and identified by stakeholders, are floods, severe winter storms (including ice storms), landslides, and hazmat in transit spills.

There have been 37 recorded major flooding events in Wyoming County between 1900 and 2005, in addition to seasonal flooding events that occur every year.

Between 1955 and 2005, there have been 67 reported incidents of severe winter storms in Wyoming County. Wyoming County's location downwind of Lake Erie combined with its elevation makes it a prime location for experiencing heavy lake effect snow storms. Lake effect storms can result in localized heavy amounts of snow in areas while other nearby areas experience very little snow, thus it is difficult to pinpoint actual locations that are more prone to winter storm events.

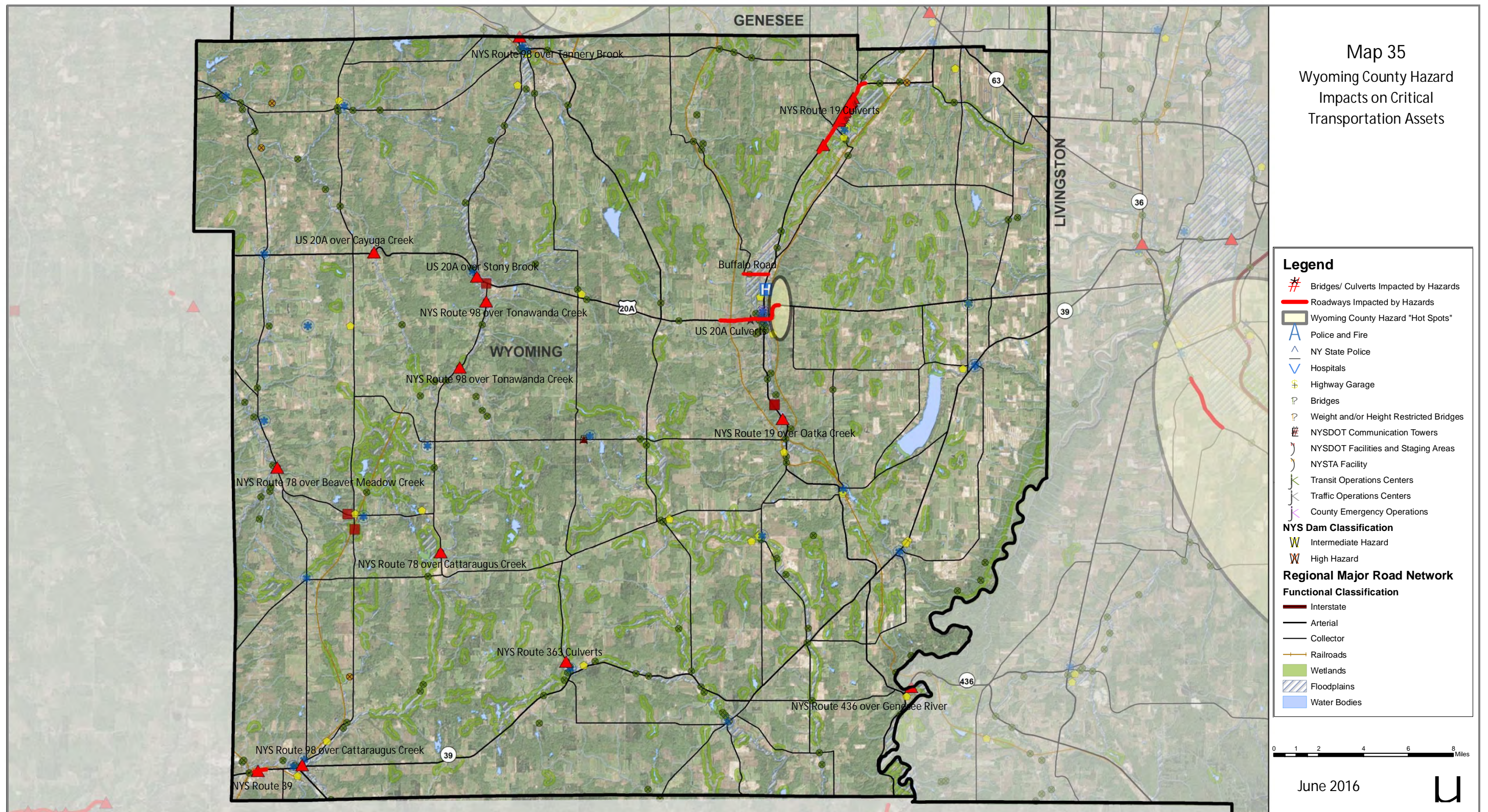
Landslides have occurred in the past in conjunction with severe storms that cause heavy rain events. Some of the most severe repeated landslide instances involve Warsaw's East Hill, where large amounts of dirt, loose stones, and organic material would wash off the hill into the Village of Warsaw's sewer system. This led to significant upgrades to the drainage system to help mitigate the problem.

There have been 177 reported hazmat in transit spills in Wyoming County between 1978 and 2005. The most common materials involved in spills are diesel fuel, gasoline, hydraulic oil, fertilizers, and other petroleum products. While these incidents occur county-wide, they are prone to occur in Arcade, Attica, Covington, Perry, and Warsaw because of the existence of heavy trucking routes. The repeated occurrence of truck crashes on US 20A near the Village of Warsaw has led to the restriction of tractor trailer trucks using US 20A in and out of the Village.

Table 15 identifies the locations of hazard events in Wyoming County that impact critical transportation assets, which are also portrayed on Map 35.

Table 15: Wyoming County Hazard Impacts on Critical Transportation Assets

Transportation Assets	Hazard Impact(s)
US 20A over Cayuga Creek	Flooding
US 20A over Stony Brook	Flooding
NYS Route 19 culverts – Northeast portion of County	Flooding – During heavy rains, culverts get clogged and water overflows street.
Buffalo Road	Flooding
US 20A culverts	Flooding – Culvert overflows during heavy rains.
NYS Route 98 over Tonawanda Creek	Flooding
NYS Route 98 over Tonawanda Creek	Flooding
NYS Route 78 over Beaver Meadow Creek	Flooding
NYS Route 78 over Cattaraugus Creek	Flooding
NYS Route 98 over Tannery Brook	Flooding
NYS Route 19 over Oatka Creek	Flooding
NYS Route 98 over Cattaraugus Creek	Flooding
NYS Route 39 near Bixby Hill Road	Flooding – Short term flooding from off-site runoff.
NYS Route 363 near Wiscoy Creek	Flooding – Culverts overflow during heavy flows.
NYS Route 436 over Genesee River	Flooding
Warsaw's East Hill	Landslide during heavy rains



Yates County

The most likely hazards to impact Yates County, as indicated in the Yates County Multi-Jurisdiction All-Hazard Mitigation Plan and identified by stakeholders, are flooding, severe storms (including winter storms), ice storms, landslides, and hazmat in transit spills.

Yates County, between 1972 and 2010, experienced 14 flooding events, seven of which were declared major disasters. The Keuka Lake Control Dam is a critical flood control feature that regulates water moving between Keuka and Seneca Lakes. In the spring of 2014, an infrequent storm hit the area that resulted in flooding caused by debris clogging two culverts that cross NYS Route 54a and E. Elm Street in the Village of Penn Yan. This was not identified as a routine flood prone area. Italy Valley Road experiences occasional flooding due to heavy rains and NYS Route 245 experiences season flooding due to runoff combined with rains.

Severe storms, including winter storms and ice storms, can have an impact county-wide and come with cascading impacts of transportation disruptions and closures, highway crashes/ incidents, and delayed emergency response. Between 1973 and 2009, Yates County recorded 54 severe storms, consisting of heavy thunderstorms and/ or wind events. Between 1993 and 2010 Yates County recorded 48 severe winter storms. Additionally, the County has experienced nine ice storms between 1991 and 2003, two of which were considered significant and resulted in major disaster declarations.

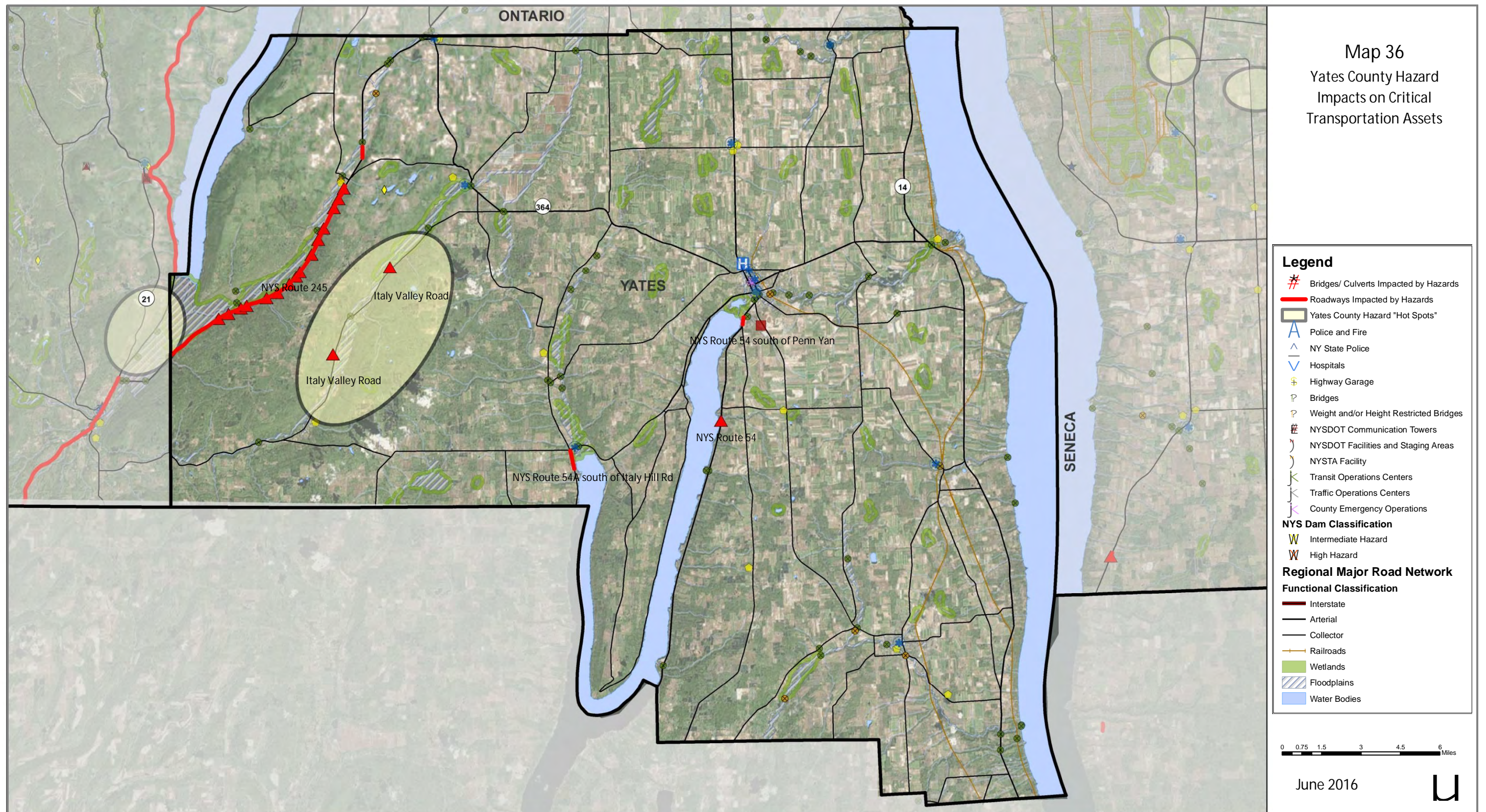
While there are not a large number of through truck movements carrying hazmat materials, relative to the other counties in the region, there are several sites in the County that attract trucks carrying hazardous materials. NYS Routes 14, 14A, and 54 handle the largest volumes of trucks carrying hazardous materials and thus are most prone to hazmat spills.

Local officials estimate that a damaging landslide occurs about once every five years and is usually associated with heavy rains or flooding. Areas prone to landslides are along Canandaigua and Keuka Lakes, including the Towns of Barrington, Italy, Jerusalem, Middlesex, and Milo.

Table 16 identifies the locations of hazard events in Yates County that impact critical transportation assets, which are also portrayed on Map 36.

Table 16: Yates County Hazard Impacts on Critical Transportation Assets

Transportation Assets	Hazard Impact(s)
NYS Route 245	Flooding – Runoff from adjacent hillside overtops roadway.
Italy Valley Road	Flooding – Heavy rains overwhelm the drainage system causing water to overtop the roadway.
NYS Route 54 south of Penn Yan	Flooding – Culverts clog with debris.
NYS Route 54	Flooding – Culverts clog with debris.
NYS Route 54A south of Italy Hill Road	Flooding – Inadequate drainage systems cause water to overtop roadway.



Key Hazard Analysis Findings

The following key hazard analysis findings are based off a review of county All-Hazard Mitigation Plans and input from key state, county, and municipal stakeholders.

- In general, across the Genesee-Finger Lakes Region, the common hazards that were identified as being a significant risk to critical transportation assets were flooding, severe storms (including ice, wind, and winter storms), and hazmat in transit spills. These hazards were determined based upon input from each county's All-Hazard Mitigation Plans and HAZNY exercises and based upon input from stakeholders. These hazards, due to their direct and cascading effects, have the most county-wide impact on critical transportation assets and should be a focus for further evaluation.
 - Critical transportation assets in the region are not currently impacted by large-scale flooding from Lake Ontario or any of the Finger Lakes.
 - The proposed Lake Ontario – St. Lawrence River Plan 2014 recommends changes in the management of the Lake Ontario water level. If adopted, the Plan's recommendations are anticipated to lead to a greater variability in future lake levels, including higher high levels and lower low levels. This will impact some infrastructure elements close to the lakeshore, including sanitary sewers and pumping stations, as well as floodplains, and could have a larger impact on the Sodus Bay area. Further, this could have an impact on NYS Route 14 in Sodus Point.
 - The deterioration of the West River Wall in the City of Rochester (between Corn Hill and Ford Street) is of major concern. The wall was decommissioned in 2008 by FEMA and as such, resulted in numerous properties having to obtain flood insurance. Exchange Boulevard in the City, along with numerous streets within the historic Corn Hill Neighborhood, have the potential to be severely flooded should a 100-year flooding event occur. This could also impact roadways that are part of the regional transportation network, especially roadways that provide access in and out of downtown Rochester. The City of Rochester is currently working with FEMA to address the situation.
 - Spot flooding regularly occurs under several overpasses on I-490 and NYS Route 590 during major rain storms. The New York State Department of Transportation-Region 4 maintains a list of locations that are vulnerable to spot flooding; these locations can be monitored if weather forecasts indicate heavy rainfall is imminent. Spot flooding also occurs on some low-lying roads along the shorelines of the Finger Lakes, but this is also due to heavy rainfall instead of high lake water levels. Many railroad underpasses routinely experience spot flooding.
 - Flash floods sometimes occur in the springtime when the ground is saturated with water from snow melt. Flash flooding may also occur if a series of storms move through the region in rapid succession, dumping heavy rain on already saturated ground. Damage from this type of flooding mostly involves debris being swept onto roads from steep

slopes and shoulder washouts. Flash floods are a particular concern in the southern part of the region, where due to hilly terrain, roadways typically lie in valleys that accept storm runoff.

- Flooding as a result of ice jams periodically occurs on the Tonawanda Creek in the Attica – Batavia area.
- Culvert washouts resulting from heavy rain are generally rare, especially in flat terrain. Typically, problems with culverts in these areas include slowly rising water that backs up upstream of the culvert and plugs it with debris.
- Major winter storms, including ice storms, generally have region-wide impacts on critical transportation assets and services such as snow plowing and deicing. However, intense lake-effect snow bands may cause serious disruption to transportation services in limited areas.
 - Intense lake effect snow bands are capable of producing snow fall rates so extreme that road closures are necessary and travel bans instated. The New York State Thruway in Genesee County is very susceptible to lake effect snow storms.
 - Damage to utilities from ice storms have the potential to close a road for up to several weeks. State, county, and municipal road crews must wait for utility workers to clear downed power lines and poles from roads before they can clear fallen trees, tree limbs, and other debris.
 - In some locations, blowing and drifting snow can cause significant visibility problems. The section of I-390 near the Greater Rochester International Airport is vulnerable to blowing snow, as are some roads in rural areas, especially those roads oriented in a north/south direction. These roads are particularly vulnerable to winds blowing snow from west to east.



- Explosions were identified in the Ontario County All-Hazard Mitigation Plan as being a significant risk to county assets. During the stakeholder input for this study, it was indicated that the greatest threat to critical transportation assets would be explosions resulting from transportation accidents and hazmat in transit spills. Thus, the risk of explosions is contained within the risk of hazmat in transit spills.
- There are potential hazardous materials spill concerns on all roads throughout the region that handle truck traffic. In addition, hazmat in transit spill concerns in rural areas include deliveries of fertilizers and other chemicals to farms. Truck traffic making deliveries to landfills constitute another hazmat spill threat.
 - The CSX railroad that spans Genesee, Monroe, and Wayne Counties has seen an increase in the number of trains handling hazardous materials, causing heightened concern of hazmat in transit spills associated with train derailments.
- High winds are typically not a major concern. The Irondequoit Bay Bridge has been closed due to high winds, but this is an extremely rare event. No other bridges or locations in the region were identified as being vulnerable to the effects of high winds.
- Extreme temperatures and frequent freeze/ thaw cycles were not seen as a regional threat to critical transportation infrastructure and typically only result in routing seasonal repair to roadways, albeit, some years more than others due to temperature fluctuations.
- Landslides, land subsidence, and earthquakes, while in the event of such hazards could bring serious impacts to critical transportation infrastructure, were not deemed as a high risk due to their unlikely nature. Stakeholders felt there were other more likely and routine hazards that are present that would cause vulnerability of critical transportation infrastructure.
 - The vulnerability of critical transportation assets to seismic hazards has not traditionally been a major concern in the region. However, the City of Rochester recently incorporated seismic isolation bearings on the Elmwood Avenue Bridge over the Genesee River. City staff are investigating the deployment of this technology on other bridges. No other municipalities or agencies in the region have conducted seismic retrofits of bridges or other transportation infrastructure.
 - Previous landslides have impacted some local roads in rural areas and private property, but no major roads or bridges.
 - Sinkholes are generally not a major concern. They have periodically occurred as a result of water main breaks but have not caused major damage. The only major damage to transportation infrastructure in the region caused by sinkholes occurred to US Route 20A (Cuylerville Road) and NYS Route 63 (Big Tree Road/Genesee Street), as well as several local roads in central Livingston County in the mid-1990s. This occurred as a result of the Retsof Salt Mine collapse in March 1994.

- Terrorist attacks or acts of sabotage, while having potentially serious impacts on critical transportation assets, were not deemed a high risk because stakeholders felt that if such acts were to be carried out, the Genesee-Finger Lakes Region would be of low priority.
 - Orleans County, in their All-Hazard Mitigation Plan, identified terrorism as being a significant risk on the county's critical infrastructure, primarily in the form of agri-terrorism. During the stakeholder meetings, the County did not identify any significant risks of terrorism on critical transportation assets.
 - While the threat of terrorism impacts on critical transportation assets throughout the study area is still very real; during stakeholder input for this study, no stakeholders indicated that there was an immediate, high threat of terrorism on the region's critical transportation assets. Thus, the risk of terrorism impacts on critical transportation assets is not indicated as being significant for this study.



- Stakeholders did not think that structural collapse was an immediate threat as bridges throughout the regional transportation system are routinely inspected and upgraded through routine maintenance and pose very little risk to collapse. There are numerous weight restricted bridges throughout the area that due to their age or condition cannot handle heavier loads. Numerous Erie Canal and other canal bridges in Orleans, Monroe, Seneca, and Wayne Counties are weight restricted.
- Highway crashes/ incidents, while regular occurrences that cause disruption to the routine operation of the transportation system, were not seen as having a great enough impact that would result in a vulnerability to critical transportation assets. As discussed previously, the greater risk associated with highway crashes is the potential for hazardous materials spills.

CHAPTER 4: CRITICAL TRANSPORTATION INFRASTRUCTURE VULNERABILITY

Building upon the critical surface transportation assets that were identified in Chapter 2 and the natural and human-caused hazards that were profiled in Chapter 3, this chapter explains the methodology that was used to assess critical transportation asset vulnerability and identifies and profiles the most vulnerable critical transportation assets throughout the Genesee-Finger Lakes Region. These most vulnerable critical assets and issues related to critical assets will be considered holistically during annual reviews and prioritization of potential projects.

Critical Transportation Asset Vulnerability Scoring Methodology

All critical transportation assets identified in Chapter 2 were numerically scored using a database developed using Microsoft Excel and then graphically portrayed by joining the Microsoft Excel database with the GIS data. The following outlines the methodology that was applied to determine the most vulnerable transportation infrastructure assets throughout the Genesee-Finger Lakes Region.

Assets to be Scored

- *Infrastructure*
 - Major road segments (segments occur between intersecting streets)
 - Bridges
- *Facilities*
 - Police/ Fire stations
 - Highway garages
 - Hospitals
 - Traffic/ Transit/ Emergency Operational Facilities

Scoring Methodology

Each critical transportation asset was scored for its vulnerability based upon the regional criticality of the asset and its exposure and sensitivity to a variety of natural and human-caused hazards. There are four vulnerability components, as follows:

- *Criticality* – The asset is scored based on how critical it is to the regional transportation network.
- *Sensitivity* – The asset is scored based on how sensitive it is to existing or future hazards. Sensitivity is defined as the severity of the impact that a hazard event has on an asset. For

instance, an asset may be exposed to a hazard only once in a while, but the impacts from that hazard event on the asset are severe.

- *Exposure* – The asset is scored based on its exposure to existing or future hazards. Exposure is defined as how often the asset is or potentially will be exposed to hazard events. Exposure variables were scored based on the following:
 - Exposure to flooding was based on input from local officials of areas prone to flooding.
 - Exposure to snow storms was based on annual snowfall and Lake Effect snow areas.
 - Exposure to high winds was based on identification by local officials of the areas prone to high winds as well as high profile and elevated roadways or bridges.
 - Exposure to sink holes was based on USGS Evaporite and Karst Topography maps.
 - Exposure to terrorist attacks/ sabotage was based on input from local officials on likely targets.
- *Local Input* – The asset is scored based on its local importance and as identified in a local plan or by local stakeholders as being vulnerable to hazards.

Asset Scoring

The scoring of assets took on a number of dimensions. There are three Excel databases set up to calculate the scoring of assets. This allows assets to be scored by similar variables. The three Excel databases are:

- Roadway Segments
- Facilities
- Bridges

The Excel databases are set up to allow users to conduct a query to identify assets by county or by jurisdiction, allowing the databases to become working documents that agencies can use to update or customize the database or conduct more localized vulnerability assessments.

Each asset was scored according to the established scoring categories that are given to each variable (see Figures 3-5 on the following pages). Some scores are quantitative in that they provide a score to an asset because it falls within a certain category; some scores are qualitative in that they provide a score to an asset based on input received from stakeholders or a local plan. The maximum score set up for any variable is 5, with the minimum score being 0. To keep scoring consistent across all variables, all scores are portrayed in whole numbers.

Scoring criteria differs per variable depending on the nature of the asset in its category. For instance, if a roadway segment is being scored, one of the variables in the Criticality vulnerability component is “Average Annual Daily Traffic (AADT)”. The scoring categories for this variable are:

- AADT of 50,000+: Score = 5
- AADT of 25,000-49,999: Score = 4
- AADT of 10,000-24,999: Score = 3
- AADT of 5,000-9,999: Score = 2
- AADT of 1-4,999: Score = 1

A score is given to the asset based on where it falls in the above categories. As an example, if the AADT of a road segment is 14,355, the asset is given a score of 3 for this variable.

Each variable is then given a weight that places greater emphasis on those variables that play a larger role in making an asset critical, sensitive, exposed, or of local importance. Once an asset is scored for a variable, the variable weight is applied to give a total variable score for that asset. For each one of the vulnerability components, the total weighted score must equal 100. For instance, in the example of scoring a roadway segment above, the AADT variable carries a weight of 25; thus, a score of 3 weighed by 25, provides a weighted score of 75 for this variable.

Once all the scores for a vulnerability component are tallied, a factor is applied to the vulnerability component based on a percentage of 100% and customized to the importance of each in determining the overall vulnerability of an asset. The Exposure component receives a percentage factor of 25%, the Criticality component receives a percentage factor of 20%, the Sensitivity component receives a percentage factor of 45%, and the Local Input component receives a percentage factor of 10%, for a total of 100%. In the same roadway segment example, if at the end of scoring all the variables in the Criticality vulnerability component yields a weighted score of 165, the percentage factor is then applied (25%). The final calculated Criticality score for this asset would be 41.25. This scoring is done for all four vulnerability components and then a final Vulnerability score is tallied for that asset.

Ranking Vulnerability of Transportation Assets

Once all of the assets were scored, the assets were then placed into a category, based on their score, to identify their level of vulnerability. Assets for roadways, facilities, and bridges were placed into vulnerability categories as follows:

Transportation Asset Vulnerability Categories

- High Vulnerability (score of 225 or greater)
- Moderately High Vulnerability (score of 200-224)
- Moderate Vulnerability (score of 175-199)
- Moderately Low Vulnerability (score of 150-174)
- Low Vulnerability (score of under 150)

Figure 3: Asset Vulnerability Assessment Scoring Methodology for Roadway Segments

Vulnerability Component	GIS Code	Variable (by segment)	Scoring Categories (1-5)						Asset Scoring				
			5	4	3	2	1	0	Max Score	Asset Score	Variable Weight Total = 100	Max weighted score	Weighted Asset Score
Criticality	C1	Access to critical facility (number of locations)	5+	4	3	2	1	None	5		30	150	
	C2	Segment AADT	50,000+	25,000-49,999	10,000-24,999	5,000-9,999	1-4,999	0	5		25	125	
	C3	Part of Ginna Nuclear Plant Evacuation Route					Yes	No	1		15	15	
	C4	Part of State Priority Network					Yes	No	1		15	15	
	C5	Functional Classification	Interstate/ Expressway	Major Arterial	Minor Arterial	Major Collector	Minor Collector	local or other	5		5	25	
	C6	% AADT that is Truck Traffic			20%+	10-19.9%	0-9.9%	null	4		5	20	
	C7	Part of Truck Routing System				Yes- National Highway	Yes- Regional w/Restrictions	No	2		5	10	
	C8	Sum of Criticality Scores							23	0	100	360	0
	C9	Vulnerability Component Percentage of Total Score										25%	25%
	C10	Final Criticality Score										90.00	0
Sensitivity	S1	Identified as being impacted or having the potential to be impacted by hazards	Yes- Historical Event/ high impact	Yes- Historical Event/ moderate or low impact	Yes- Potential Exists			No	3		60	180	
	S2	Detour Options if Segment is Closed			Few	Moderate	Many		5		15	75	
	S3	Road Scoring/ Condition (score current year)	3 or less	4	5	6	7 to 9	null	5		15	75	
	S4	Number of weight/ height restricted or critical bridges per segment	Multiple bridges that are height and weight restricted and critical bridges	Multiple bridges that are height or weight restricted or critical bridges	Bridges that are	One bridge that is weight and height restricted	One bridge that is weight or height restricted	None	5		10	50	
	S5	Sum of Sensitivity Scores							18	0	100	380	0
	S6	Vulnerability Component Percentage of Total Score										20%	20%
	S7	Final Sensitivity Score										76.00	0
Exposure	E1	Located in a floodplain	Yes- Entirely	Yes- Mostly	Yes- Partially	Yes- Minimal	No- but Adjacent	No	5		15	75	
	E2	Exposure to Flooding (flash flood, poor drainage, seasonal, etc)	Very High	High	Moderately High	Moderate	Moderately Low	Low	5		15	75	
	E3	Exposure to Snow Storms	Very High	High	Moderately High	Moderate	Moderately Low	Low	5		10	50	
	E4	Exposure to High Winds	Very High	High	Moderately High	Moderate	Moderately Low	Low	5		10	50	
	E5	Landslide Susceptibility			Moderate	Moderately Low	Low	No	3		10	30	
	E6	Spectral Acceleration of Soils		24+%	20-24%	16-20%	12-16%	Less than 12%	4		10	40	
	E7	Exposure to Sink Hole (Karst Topography)				In an area of Evaporite and Karst	In an area of Evaporite or Karst topography	No	2		10	20	
	E8	Exposure to Hazmat Incidents	Very High	High	Moderately High	Moderate	Moderately Low	Low	5		10	50	
	E9	Exposure to Terrorist Attacks/ Sabotage (based on input of likely)	Very High	High	Moderately High	Moderate	Moderately Low	Low	5		10	50	
	E10	Sum of Exposure Scores							39	0	100	440	0
	E11	Vulnerability Component Percentage of Total Score										45%	45%
	E12	Final Exposure Score										198.00	0
Local Input	L1	Identified in a local plan/ or local expertise indicates that asset is vulnerable to existing or future hazards	Very High	High	Moderately High	Moderate	Moderately Low	Low	5		100	500	
	L2	Sum of Local Input Scores							5	0	100	500	0
	L3	Vulnerability Component Percentage of Total Score										10%	10%
	L4	Final Local Input Score										50.00	0
TOTAL		TOTAL ASSET VULNERABILITY SCORE							85	0		414.00	0

Figure 4: Asset Vulnerability Assessment Scoring Methodology for Bridges

Vulnerability Component	GIS Code	Variable (by segment)	Scoring Categories (1-5)						Asset Scoring				
			5	4	3	2	1	0	Max Score	Asset Score	Variable Weight Total = 100	Max weighted score	Weighted Asset Score
Criticality	C1	Necessary to provide access to a critical facility (number of locations)	5+	4	3	2	1	None	5		40	200	
	C2	AADT	50,000+	25,000-49,999	10,000-24,999	5,000-9,999	1-4,999	0	5		20	100	
	C3	Part of Ginna Nuclear Plant Evacuation Route					Yes	No	1		15	15	
	C4	Part of State Priority Network					Yes	No	1		15	15	
	C5	Part of Truck Routing System				Yes- National Highway	Yes- Regional w/Restrictions	No	2		10	20	
	C6	Sum of Criticality Scores							14	0	100	350	0
	C7	Vulnerability Component Percentage of Total Score										25%	25%
	C8	Final Criticality Score										87.50	0
Sensitivity	S1	Identified as being impacted or having the potential to be impacted by hazards	Yes- Historical	Yes- High Potential	Yes- Moderate Potential Exists			No	5		50	250	
	S2	Bridge is listed as being weight and/or height restricted or is a critical bridge	Weight and height restricted and critical	Weight or height restricted and critical	Is critical	Weight and height restricted	Weight or height restricted	No	5		25	125	
	S3	Detour Options (If Bridge is Closed)			Few	Moderate	Many		3		25	75	
	S4	Sum of Sensitivity Scores							13	0	100	450	0
	S5	Vulnerability Component Percentage of Total Score										20%	20%
	S6	Final Sensitivity Score										90.00	0
Exposure	E1	Located in a floodplain	Yes- Entirely	Yes- Mostly	Yes- Partially	Yes- Minimal	No- but Adjacent	No	5		10	50	
	E2	Downstream of a dam classified as being a High Hazard	Yes- within 1 mile	Yes- within 3 miles	Yes- within 5 miles	Yes- within 10 miles	Yes- 10 miles+	No	5		5	25	
	E3	Exposure to Flooding	Very High	High	Moderately High	Moderate	Moderately Low	Low	5		15	75	
	E4	Exposure to Snow Storms	Very High	High	Moderately High	Moderate	Moderately Low	Low	5		10	50	
	E5	Exposure to High Winds	Very High	High	Moderately High	Moderate	Moderately Low	Low	5		10	50	
	E6	Landslide Susceptibility			Moderate	Moderately Low	Low	No	3		10	30	
	E7	Spectral Acceleration of Soils		24+%	20-24%	16-20%	12-16%	Less than 12%	4		10	40	
	E8	Exposure to Sink Hole (Karst Topography)				In an area of Evaporite and Karst topography	In an area of Evaporite or Karst topography	No	2		10	20	
	E9	Exposure to Hazmat Incidents	Very High	High	Moderately High	Moderate	Moderately Low	Low	5		10	50	
	E10	Exposure to Terrorist Attacks/ Sabotage (based on input of likely targets)	Very High	High	Moderately High	Moderate	Moderately Low	Low	5		10	50	
	E11	Sum of Exposure Scores							44	0	100	440	0
	E12	Vulnerability Component Percentage of Total Score										45%	45%
	E12	Final Exposure Score										198.00	0
Local Input	L1	Identified in a local plan/ or local expertise indicates that asset is vulnerable to existing or future hazards	Very High	High	Moderately High	Moderate	Moderately Low	Low	5		100	500	
	L2	Sum of Local Input Scores							5	0	100	500	0
	L3	Vulnerability Component Percentage of Total Score										10%	10%
	L4	Final Local Input Score										50.00	0
TOTAL TOTAL ASSET VULNERABILITY SCORE									76	0		425.50	0

Figure 5: Asset Vulnerability Assessment Scoring Methodology for Facilities

Vulnerability Component	GIS Code	Variable (by segment)	Scoring Categories (1-5)						Asset Scoring				
			5	4	3	2	1	0	Max Score	Asset Score	Variable Weight Total = 100	Max weighted score	Weighted Asset Score
Criticality	C1	Does the facility play a role in the function of the regional transportation system	Very High	High	Moderately High	Moderate	Moderately Low	Low	5		50	250	
	C2	Does the facility play a part in the preparation or response to hazard events			Yes- Regional	Yes- County	Yes- Local	No	3		50	150	
	C3	Sum of Criticality Scores							8	0	100	400	0
	C4	Vulnerability Component Percentage of Total Score										25%	25%
	C5	Final Criticality Score										100.00	0
Sensitivity	S1	Identified as being impacted or having the potential to be impacted by hazards	Yes- Historical Event	Yes- High Potential Exists	Yes- Moderate Potential Exists			No	3		90	270	
	S2	Proximity of nearest similar facility	24+ miles	12-24 miles	6-12 miles	3-6 miles	1-3 miles	less than 1 miles	5		10	50	
	S3	Sum of Sensitivity Scores							8	0	100	320	0
	S4	Vulnerability Component Percentage of Total Score										20%	20%
	S5	Final Sensitivity Score										64.00	0
Exposure	E1	Located in a floodplain	Yes- Wholly		Yes- Partially		No- But Adjacent	No	3		20	60	
	E2	Exposure to Flooding (flash flood, poor drainage, seasonal, etc)	Very High	High	Moderately High	Moderate	Moderately Low	Low	5		20	100	
	E3	Exposure to Snow Storms	Very High	High	Moderately High	Moderate	Moderately Low	Low	5		10	50	
	E4	Exposure to High Winds	Very High	High	Moderately High	Moderate	Moderately Low	Low	5		10	50	
	E5	Landslide Susceptibility			Moderate	Moderately Low	Low	No	3		10	30	
	E6	Spectral Acceleration of Soils		24+%	20-24%	16-20%	12-16%	Less than 12%	4		10	40	
	E7	Exposure to Sink Hole (Karst Topography)				In an area of Evaporite and Karst topography	In an area of Evaporite or Karst topography	No	2		10	20	
	E8	Exposure to Terrorist Attacks/ Sabotage (based on input of likely targets)	Very High	High	Moderately High	Moderate	Moderately Low	Low	5		10	50	
	E9	Sum of Exposure Scores							32	0	100	400	0
	E10	Vulnerability Component Percentage of Total Score										45%	45%
	E11	Final Exposure Score										180.00	0
Local Input	L1	Identified in a local plan/ or local expertise indicates that asset is vulnerable to existing or future hazards	Very High	High	Moderately High	Moderate	Moderately Low	Low	5		100	500	
	L2	Sum of Local Input Scores							5	0	100	500	0
	L3	Vulnerability Component Percentage of Total Score										10%	10%
	L4	Final Local Input Score										50.00	0
TOTAL		T	TOTAL ASSET VULNERABILITY SCORE						53	0		394.00	0

Critical Transportation Infrastructure Vulnerability Results

For the purposes of this study, focus is placed on those critical transportation assets that were identified as having a “high” or “moderately high” vulnerability. Tables 17-22 on the following pages portray the roadway segments, bridges, and facilities that were scored as having “high” or “moderately high” vulnerability as a result of the transportation asset vulnerability scoring exercise. These tables identify the assets, the asset’s label on accompanying maps, the location or limits of the assets in question, agency responsible for assets, the county in which the assets are located, the total asset vulnerability score, and the determining factors that brought about a high or moderately high vulnerability ranking of assets. The results of the scoring for all critical transportation assets are provided in the Excel tables that are provided to agencies in a digital format. The summary of the results of the scoring of all critical transportation assets is provided in Appendix B.

The maps on the following pages (Maps 37-67) portray the vulnerability of all critical transportation assets considered as part of this study on a region-wide and county-by-county basis, with those assets that were identified as having a “high” or “moderately high” vulnerability labeled and identified to allow for reference between the tables and maps.

Table 17: Roadway Segments Identified as Being Highly Vulnerable

High Vulnerability						
Label	Name of Asset	Limits of Roadway	Responsible Agency	County	Total Asset Vulnerability Score	Determining Factors
R1	New York State Thruway	Exit 48 (Batavia) to Exit 47 (LeRoy/ I-490)	NYSTA	Genesee	270.75	Critical statewide transportation corridor, essential for emergency preparedness and response, limited exits/ detour options, high exposure to snow storms, crashes, and Hazmat spills, critical CSX railroad overpass.
R2	New York State Thruway	Erie County Line to Exit 48A (Pembroke)	NYSTA	Genesee	268.5	Critical statewide transportation corridor, essential for emergency preparedness and response, limited exits/ detour options, high exposure to snow storms, shoulder flooding, crashes, and Hazmat spills.

High Vulnerability						
Label	Name of Asset	Limits of Roadway	Responsible Agency	County	Total Asset Vulnerability Score	Determining Factors
R3	New York State Thruway	Exit 47 (LeRoy/ I-490) to Exit 46 (Rochester/ Corning/ I-390)	NYSTA	Genesee and Monroe	261.75	Critical statewide transportation corridor, essential for emergency preparedness and response, limited exits/ detour options, high exposure to snow storms, crashes, and Hazmat spills.
R4	New York State Thruway	Exit 43 (Manchester/ Palmyra) to Exit 42 (Geneva)	NYSTA	Ontario	250.5	Critical statewide transportation corridor, essential for emergency preparedness and response, limited exits/ detour options, high exposure to snow storms, shoulder flooding, crashes, and Hazmat spills.
R5	New York State Thruway	Exit 48A (Pembroke) to Exit 48 (Batavia)	NYSTA	Genesee	248.25	Critical statewide transportation corridor, essential for emergency preparedness and response, limited exits/ detour options, high exposure to snow storms, crashes, and Hazmat spills.
R6	New York State Thruway	Exit 41 (Waterloo) to Cayuga County Line	NYSTA	Seneca	243.75	Critical statewide transportation corridor, essential for emergency preparedness and response, limited exits/ detour options, high exposure to snow storms, crashes, and Hazmat spills.
R7	NY State Route 31	Vienna Street (Newark) to Leach Road (Lyons)	NYSDOT	Wayne	241.5	Provides access to numerous county and local critical assets, limited detour options, and occasional exposure to flooding.
R8	I-390	Exit 7 (NY 408/ NY 63) to Exit 6 (NY 36- Mount Morris)	NYSDOT	Livingston	239.75	Critical statewide transportation corridor, exposure to crashes and Hazmat spills, and lies in a floodplain with potential for flooding impacts.

High Vulnerability						
Label	Name of Asset	Limits of Roadway	Responsible Agency	County	Total Asset Vulnerability Score	Determining Factors
R9	NY State Route 104	Ridge Road to Bay Road (Irondequoit Bay Bridge)	NYSDOT	Monroe	238	Critical transportation link over Irondequoit Bay, part of Ginna evacuation route, exposure to high winds, and high landslide susceptibility.
R10	NY State Route 104	Ridgeway Avenue to North Clinton Avenue (Veteran's Memorial Bridge)	NYSDOT	Monroe	238	Critical transportation link over Genesee River with limited detour options, part of Ginna evacuation route, and exposure to high winds.
R11	New York State Thruway	Exit 46 (Rochester/ Corning/ I-390) to Exit 45 (Victor/ I-490)	NYSTA	Monroe and Ontario	235.5	Critical statewide transportation corridor, essential for emergency preparedness and response, limited exits/ detour options, high exposure to snow storms, crashes, and Hazmat spills.
R12	I-390	Exit 16 (East Henrietta Road) to Exit 17 (Scottsville Road)	NYSDOT	Monroe	234.25	Critical transportation link over Genesee River with limited detour options.
R13	I-490	Exit 14 (Plymouth Avenue) to Exit 15 (South Avenue)	NYSDOT	Monroe	234.25	Critical transportation link over Genesee River with limited detour options.
R14	New York State Thruway	Exit 45 (Victor/ I-490) to Exit 44 (Canandaigua)	NYSTA	Ontario	232.75	Critical statewide transportation corridor, essential for emergency preparedness and response, limited exits/ detour options, high exposure to snow storms, crashes, and Hazmat spills.
R15	New York State Thruway	Exit 44 (Canandaigua) to Exit 43 (Manchester/ Palmyra)	NYSTA	Ontario	230.25	Critical statewide transportation corridor, essential for emergency preparedness and response, limited exits/ detour options, high exposure to snow storms, crashes, and Hazmat spills.
R16	NY State Route 390	Exit 21 (Lyell Avenue) to Exit 22 (Lexington Avenue)	NYSDOT	Monroe	229.75	High volume expressway that experiences flooding during heavy rain events due to poor drainage.

High Vulnerability						
Label	Name of Asset	Limits of Roadway	Responsible Agency	County	Total Asset Vulnerability Score	Determining Factors
R17	I-490	Exit 9 (I-390/ NY 390) to Exit 10 (Mount Read Boulevard)	NYSDOT	Monroe	229.75	High volume expressway that provides a critical link to/ from Downtown Rochester, occasional exposure to flooding.
R18	I-590	Exit 3 (Elmwood Avenue) to Exit 4 (Highland Avenue)	NYSDOT	Monroe	229	High volume expressway that experiences flooding during heavy rain events due to poor drainage.

Table 18: Roadway Segments Identified as Being Moderately Highly Vulnerable

Moderately High Vulnerability						
Label	Name of Asset	Limits of Roadway	Responsible Agency	County	Total Asset Vulnerability Score	Determining Factors
R19	NY State Route 19	Town Line Road (Bergen) to Gilman Road	NYSDOT	Genesee	224.25	Black Creek overflows causing flooding.
R20	I-390	Exit 10 (US 20/ NY 5) to Exit 11 (NY 251)	NYSDOT	Monroe and Livingston	224.25	Exposure to flooding during heavy rains.
R21	NY State Route 104	Salt Road to Wayne County Line	NYSDOT	Monroe	222.75	Part of Ginna evacuation route and exposure to flooding.
R22	I-490	Exit 1 (NY 19) to Exit 2 (NY 33)	NYSDOT	Genesee and Monroe	222.5	Critical transportation link with exposure to flooding, high winds, snow storms, crashes, and Hazmat spills.
R23	I-490	Exit 3 (NY 36) to Exit 4 (NY 259)	NYSDOT	Monroe	222.5	Critical transportation link with exposure to flooding, high winds, snow storms, crashes, and Hazmat spills.
R24	NY State Route 19	US 20A/ Buffalo Street to Wethersfield Road	NYSDOT	Wyoming	222.25	Exposure to flooding and snow storms.

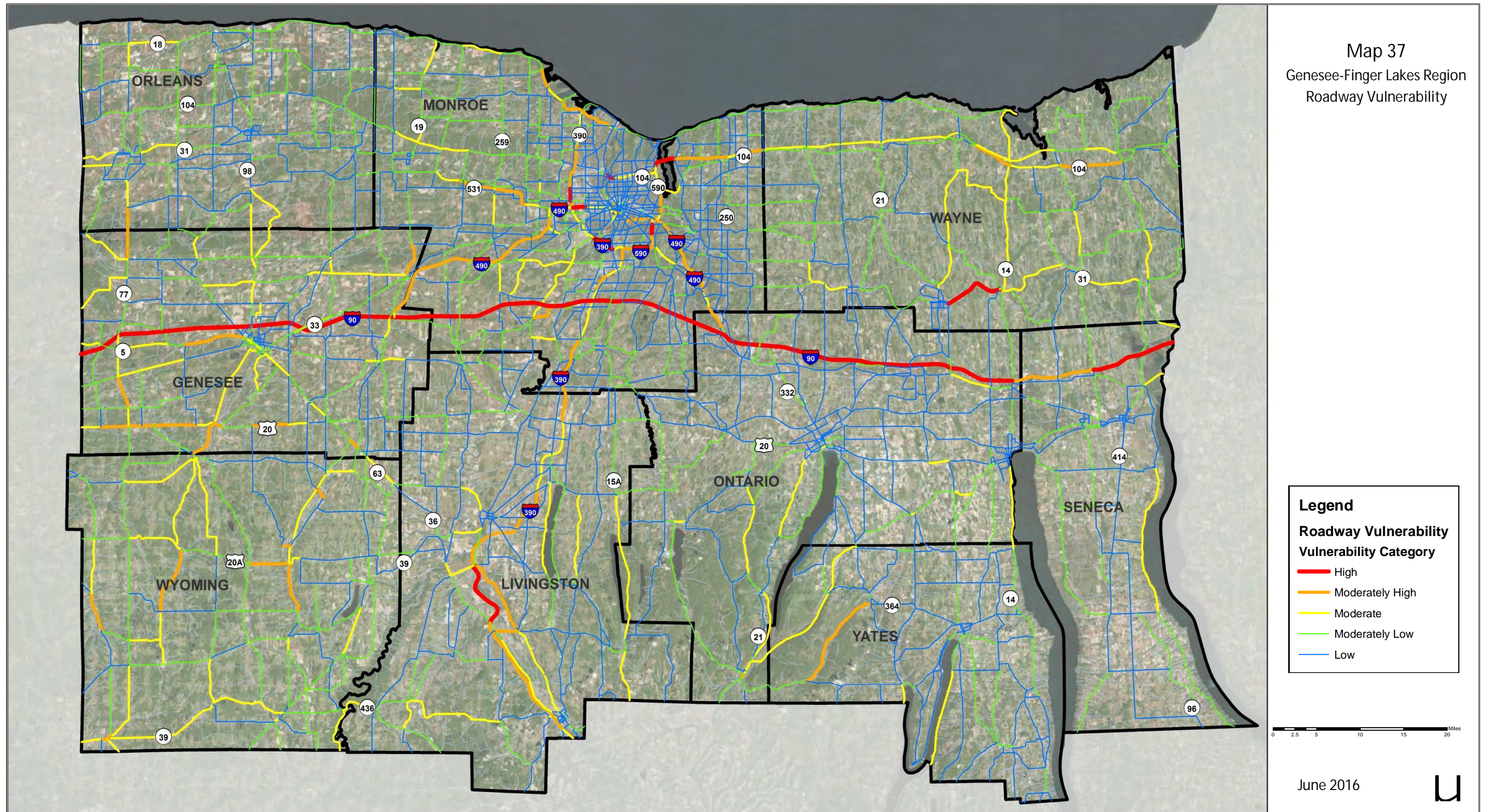
Moderately High Vulnerability						
Label	Name of Asset	Limits of Roadway	Responsible Agency	County	Total Asset Vulnerability Score	Determining Factors
R25	NY State Route 104	Ridge Road to NY 14	NYSDOT	Wayne	221.25	Part of Ginna evacuation route and exposure to flooding.
R26	I-390	Exit 12 (NY 253) to Exit 13 (Hylan Drive)	NYSDOT	Monroe	220.75	Exposure to flooding during heavy rains.
R27	I-390	Exit 5 (Dansville Airport) to Exit 6 (NY 36)	NYSDOT	Livingston	219.75	Critical transportation link with limited detour options, exposure to flooding and Hazmat spills.
R28	Lake Ontario State Parkway	NY 390 to Long Pond Road	NYSDOT	Monroe	218	Exposure to high winds and flooding.
R29	US 20A/ West Buffalo Street	NY 238/ Hermitage Road to NY 19	NYSDOT	Wyoming	216.75	Exposure to flooding and snow storms.
R30	I-490	Exit 22 (Penfield Road) to Exit 23 (Linden Avenue)	NYSDOT	Monroe	216.25	Exposure to flooding during heavy rains.
R31	NY State Route 390	Exit 22 (Lexington Avenue) to Exit 23 (Ridgeway Avenue)	NYSDOT	Monroe	216.25	Exposure to flooding during heavy rains.
R32	NY State Route 390	Exit 20 (I-490) to Exit 21 (Lyell Avenue)	NYSDOT	Monroe	216.25	Exposure to flooding during heavy rains.
R33	I-490	Exit 2 (NY 33) to Exit 3 (NY 36)	NYSDOT	Monroe	215.75	Critical transportation link with exposure to flooding, high winds, snow storms, crashes, and Hazmat spills.
R34	NY State Route 104	Bay Road to Five Mile Line Road	NYSDOT	Monroe	215.5	Part of Ginna evacuation route and exposure to flooding.
R35	I-590	I-390 to Exit 1 (Winton Road)	NYSDOT	Monroe	215.5	Critical transportation link with exposure to flooding, high winds, snow storms, crashes, and Hazmat spills.
R36	I-590	Exit 2 (Monroe Avenue) to Exit 3 (Elmwood Avenue)	NYSDOT	Monroe	215.5	Critical transportation link with exposure to flooding, high winds, snow storms, crashes, and Hazmat spills.
R37	US 20	NY 98 to Brookville Road	NYSDOT	Genesee	215.25	Exposure to flooding and snow storms.

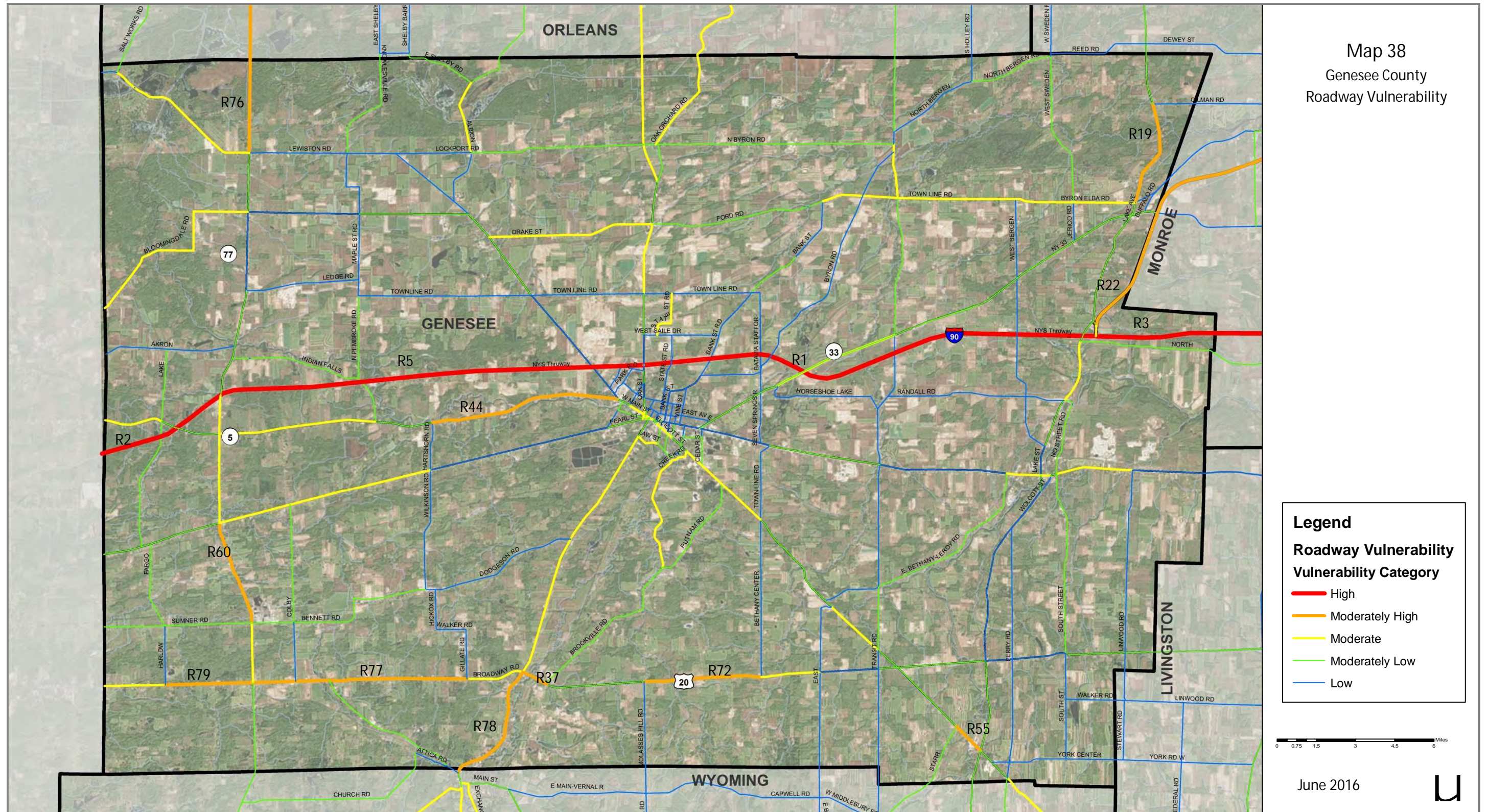
Moderately High Vulnerability						
Label	Name of Asset	Limits of Roadway	Responsible Agency	County	Total Asset Vulnerability Score	Determining Factors
R38	I-390	Exit 5 (Dansville Airport) to Exit 4 (NY 36)	NYSDOT	Livingston	215	Critical transportation link with limited detour options, exposure to flooding and Hazmat spills.
R39	NY State Route 258	NY 36 to NY 63	NYSDOT	Livingston	214.5	Critical transportation link with limited detour options and exposure to flooding/ road closures due to flooding.
R40	Lake Ontario State Parkway	NY 390 to Dewey Avenue	NYSDOT	Monroe	213.5	Exposure to high winds and flooding.
R41	Lake Ontario State Parkway	Dewey Avenue to Latta Road	NYSDOT	Monroe	213.5	Exposure to high winds and flooding.
R42	I-390	Exit 7 (NY 408/ NY 63) to Exit 8 (US 20A)	NYSDOT	Livingston	212.75	Critical transportation link with limited detour options, exposure to flooding and Hazmat spills.
R43	Lake Ontario State Parkway	NY 261 to E. Manitou Road	NYSDOT	Monroe	211.75	Exposure to high winds and flooding.
R44	NY State Route 5	Hartshorn Road to NY 63	NYSDOT	Genesee	210.5	Exposure to flooding and snow storms.
R45	I-490	Exit 26 (NY 31) to Exit 27 (NY 96)	NYSDOT	Monroe	210	Exposure to flooding during heavy rains.
R46	New York State Thruway	Exit 42 (Geneva) to Exit 41 (Waterloo)	NYSTA	Ontario and Seneca	210	Critical statewide transportation corridor, essential for emergency preparedness and response, limited exits/ detour options, high exposure to snow storms, crashes, and Hazmat spills.
R47	I-490	Exit 23 (Linden Avenue) to Exit 24 (East Rochester)	NYSDOT	Monroe	209.5	Exposure to flooding during heavy rains.
R48	I-490	Exit 6 (NY 204) to Exit 7 (NY 33)	NYSDOT	Monroe	209.5	Exposure to flooding, high winds, snow storms, crashes, and Hazmat spills.
R49	NY State Route 390	Exit 23 (Ridgeway Avenue) to Exit 24 (West Ridge Road)	NYSDOT	Monroe	209.5	Exposure to flooding during heavy rains.

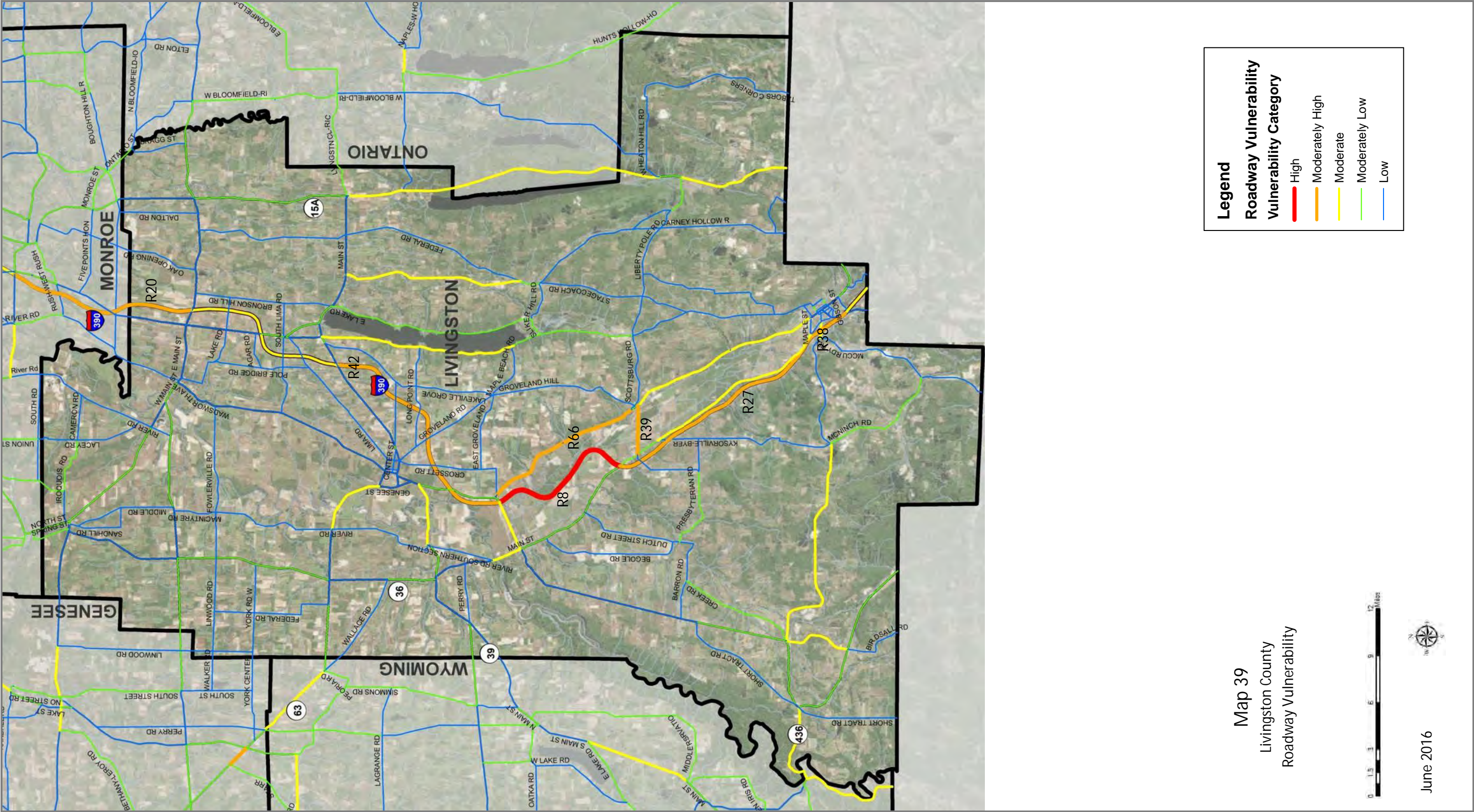
Moderately High Vulnerability						
Label	Name of Asset	Limits of Roadway	Responsible Agency	County	Total Asset Vulnerability Score	Determining Factors
R50	NY State Route 390	Exit 24 (West Ridge Road) to Exit 25 (Vintage Lane)	NYSDOT	Monroe	209.5	Exposure to flooding during heavy rains.
R51	NY State Route 104	Five Mile Line Road to Holt Road	NYSDOT	Monroe	208.75	Part of Ginna evacuation route and exposure to flooding.
R52	NY State Route 590	Exit 6 (Blossom Road) to Exit 7 (Browncroft Boulevard)	NYSDOT	Monroe	208.75	Exposure to flooding during heavy rains.
R53	NY State Route 590	Exit 7 (Browncroft Boulevard) to Exit 8 (Empire Boulevard)	NYSDOT	Monroe	208.75	Exposure to flooding during heavy rains.
R54	I-590	Exit 1 (Winton Road) to Exit 2 (Monroe Avenue)	NYSDOT	Monroe	208.75	Exposure to flooding during heavy rains.
R55	NY State Route 63	Starr Road to NY 19	NYSDOT	Genesee	207.5	Exposure to flooding and Hazmat spills due to heavy truck volumes.
R56	NY State Route 39 (W. Main Street)	Bixby Hill Road to NY 98 (Liberty Road)	NYSDOT	Wyoming	207.25	Exposure to flooding and snow storms.
R57	NY State Route 98	US 20A to Wethersfield Road	NYSDOT	Wyoming	206	Exposure to flooding and snow storms.
R58	NY State Route 104	NY 414/ Lake Bluff Road to NY 89/ Auburn Street	NYSDOT	Wayne	205.5	Exposure to flooding.
R59	Buffalo Road (Co. Rd. 1)	Dale Road to NY 19	Wyoming County	Wyoming	205.5	Exposure to flooding.
R60	NY State Route 77	NY 33 (Corfu) to Sumner Road/ Bennett Road	NYSDOT	Genesee	205	Exposure to flooding and snow storms.
R61	I-490	Exit 15 (South Avenue) to Exit 20 (Winton Road)	NYSDOT	Monroe	205	Exposure to flooding during heavy rains.
R62	I-390	Exit 15B (Brighton-Henrietta Townline Road) to Exit 15 (I-590)	NYSDOT	Monroe	205	Critical transportation link with limited detour options, exposure to flooding and Hazmat spills.
R63	I-490	Exit 4 (NY 259) to Exit 5 (NY 386/ Chili Coldwater Road)	NYSDOT	Monroe	204.75	Critical transportation link with exposure to flooding, high winds, snow storms, crashes, and Hazmat spills.

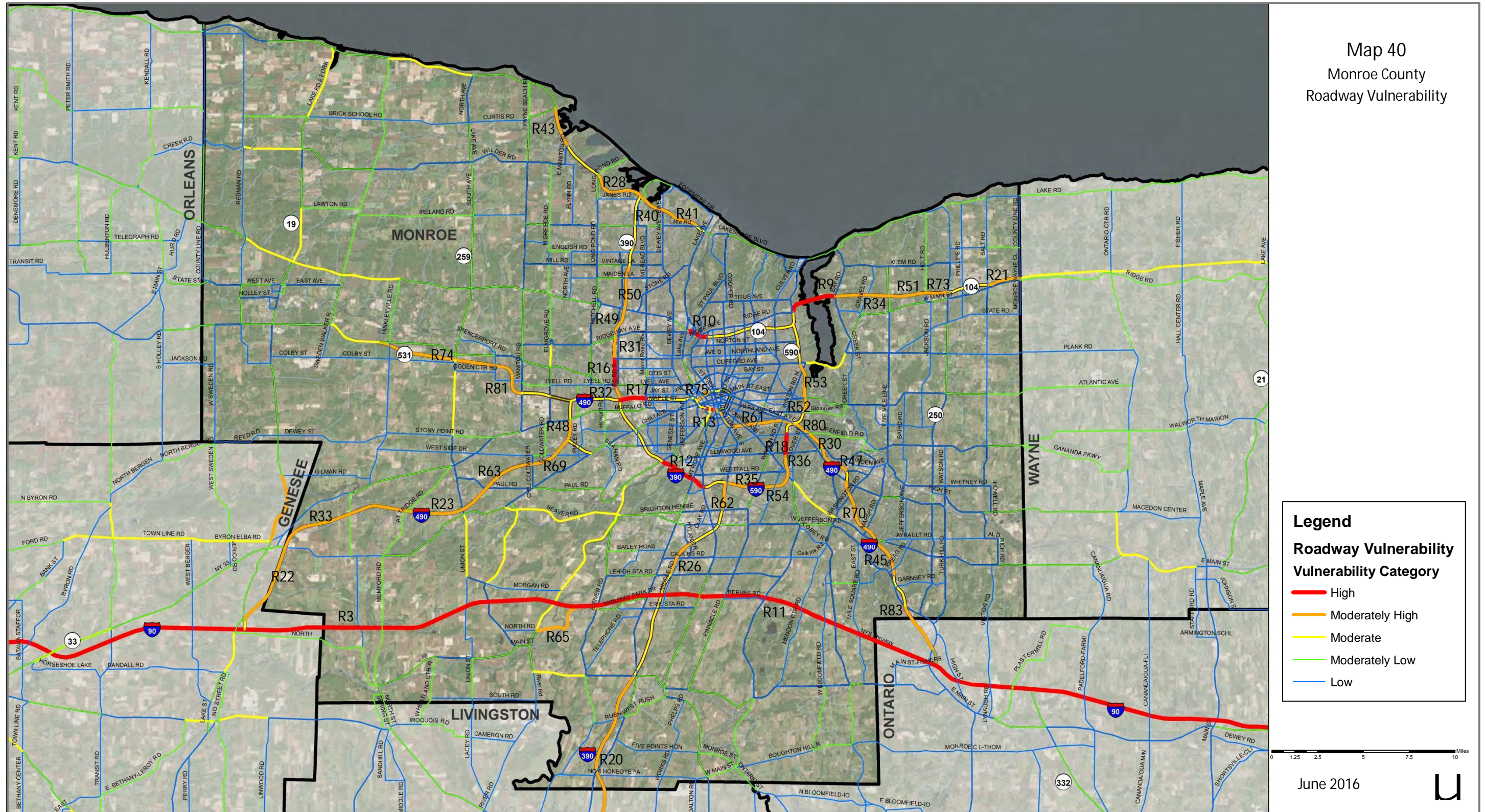
Moderately High Vulnerability						
Label	Name of Asset	Limits of Roadway	Responsible Agency	County	Total Asset Vulnerability Score	Determining Factors
R64	NY State Route 31	Leach Road/ Old Preemption Road to NY 14	NYSDOT	Wayne	204.75	Exposure to flooding.
R65	NY State Route 253	NY 383 to E. River Road	NYSDOT	Monroe	204.25	Exposure to flooding.
R66	NY State Route 63	NY 408 to NY 258	NYSDOT	Livingston	204	Exposure to flooding.
R67	Main Street (Co. Rd. 7)	NY 19 to Saltvale Road	Wyoming County	Wyoming	203.75	Exposure to flooding.
R68	NY State Route 21 (Main Street)	Hunts Hollow Road to NY 53	NYSDOT	Ontario	203.5	Exposure to flooding.
R69	I-490	Exit 5 (NY 386/ Chili Coldwater Road) to Exit 6 (NY 204)	NYSDOT	Monroe	203.25	Critical transportation link with exposure to flooding, high winds, snow storms, crashes, and Hazmat spills.
R70	I-490	Exit 25 (NY 31F) to NY 31	NYSDOT	Monroe	203.25	Exposure to flooding during heavy rains.
R71	NY State Route 98 (Main Street)	NY 39 to Curriers Road	NYSDOT	Wyoming	202.75	Exposure to flooding and snow storms.
R72	US 20	Molasses Hill Road to Bethany Center Road	NYSDOT	Genesee	202.5	Exposure to flooding and snow storms.
R73	NY State Route 104	Holt Road to NY 250 (North Avenue)	NYSDOT	Monroe	202.5	Part of Ginna evacuation route and exposure to flooding.
R74	NY State Route 531	NY 31 to NY 259	NYSDOT	Monroe	202.5	High volume roadway with exposure to flooding, high winds, snow storms, crashes, and Hazmat spills.
R75	NY State Route 940T (Inner Loop)	I-490 to St. Paul Street	NYSDOT	Monroe	201.75	High volume roadway with exposure to high winds, crashes, and Hazmat spills.
R76	NY State Route 63	Fletcher Chapel Road to Lewiston Road	NYSDOT	Orleans and Genesee	201.75	Exposure to flooding.
R77	US 20	NY 77 to Gillate Road	NYSDOT	Genesee	201	Exposure to flooding and snow storms.
R78	NY State Route 98	US 20 to Attica Road	NYSDOT	Genesee and Wyoming	200.5	Exposure to flooding and snow storms.

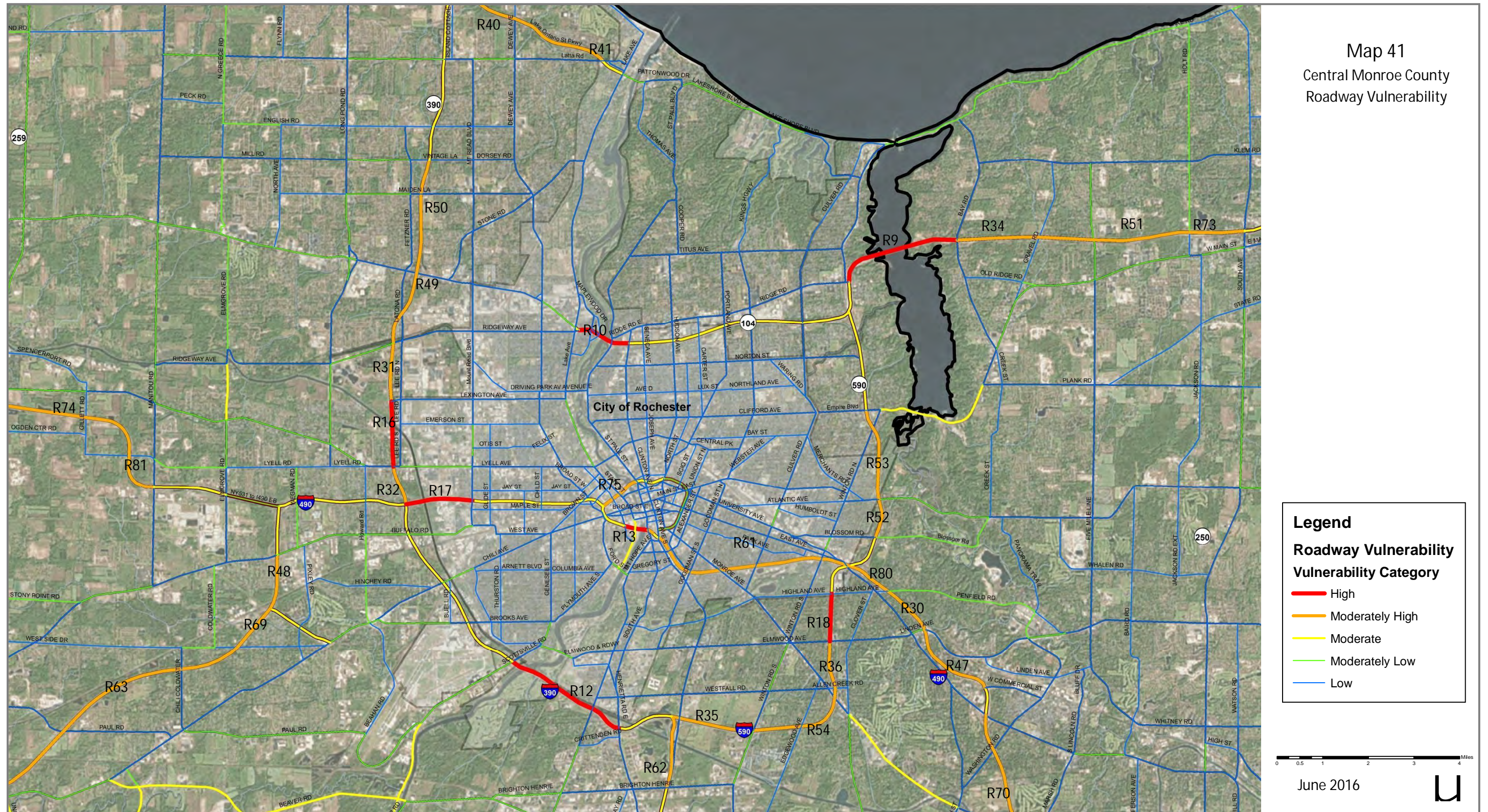
Moderately High Vulnerability						
Label	Name of Asset	Limits of Roadway	Responsible Agency	County	Total Asset Vulnerability Score	Determining Factors
R79	US 20	Harlow Road to NY 77	NYSDOT	Genesee	200.5	Exposure to flooding and snow storms.
R80	I-490	Exit 20 (Winton Road) to Exit 22 (Penfield Road)	NYSDOT	Monroe	200.5	Exposure to flooding during heavy rains.
R81	NY State Route 531	NY 259 to Manitou Road	NYSDOT	Monroe	200.5	Critical transportation link with exposure to flooding, high winds, snow storms, crashes, and Hazmat spills.
R82	NY State Route 78	Dutch Hollow Road to Curriers Road	NYSDOT	Wyoming	200.5	Exposure to flooding, snow storms, and landslides.
R83	I-490	Exit 28 (NY 96) to Exit 29 (NY 96- Victor)	NYSDOT	Monroe and Ontario	200.25	Exposure to flooding during heavy rains.
R84	Italy Valley Road	Italy Hill Turnpike to Friend Road	Yates County	Yates	200.25	Exposure to flooding and landslide.

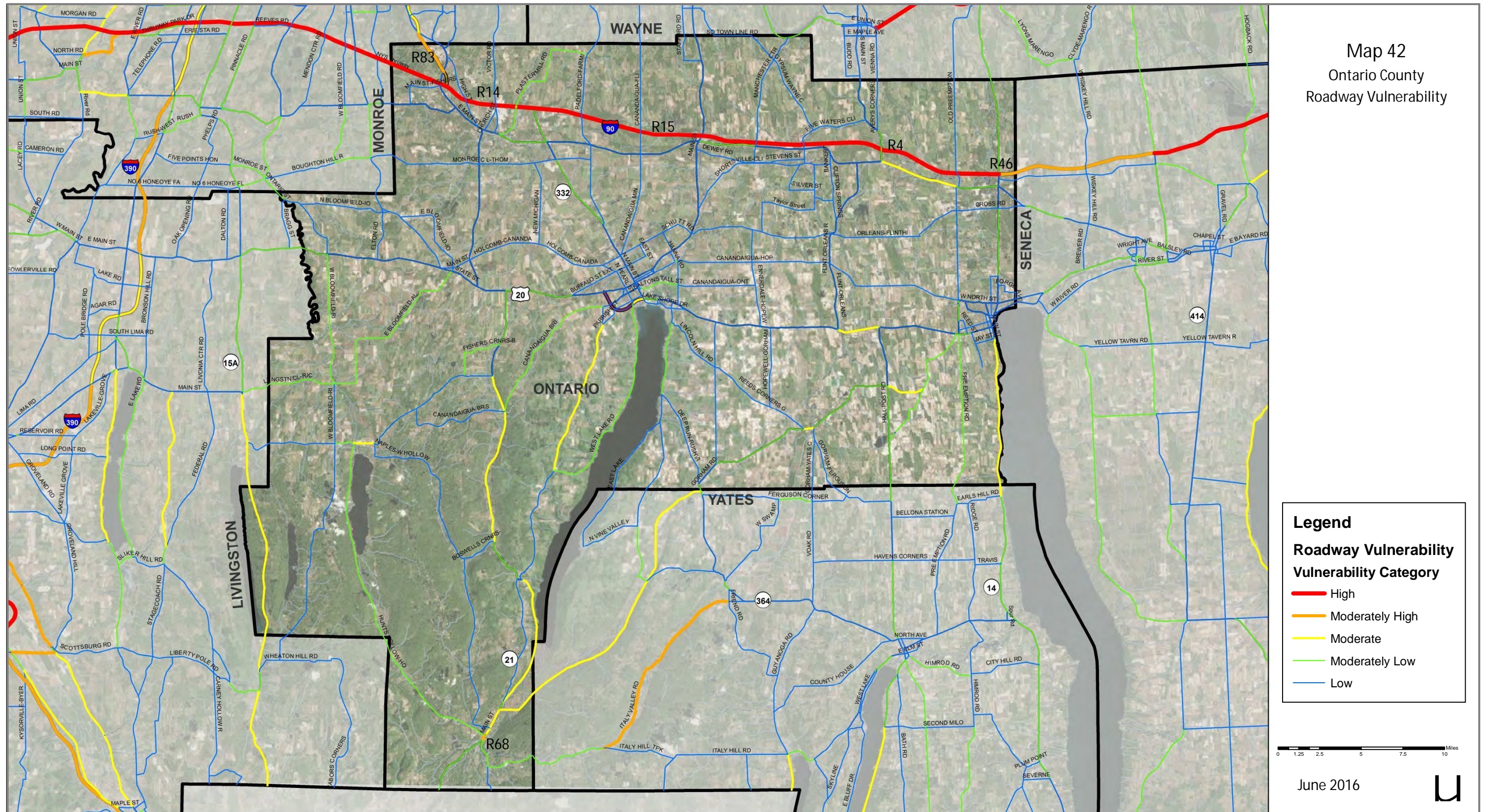


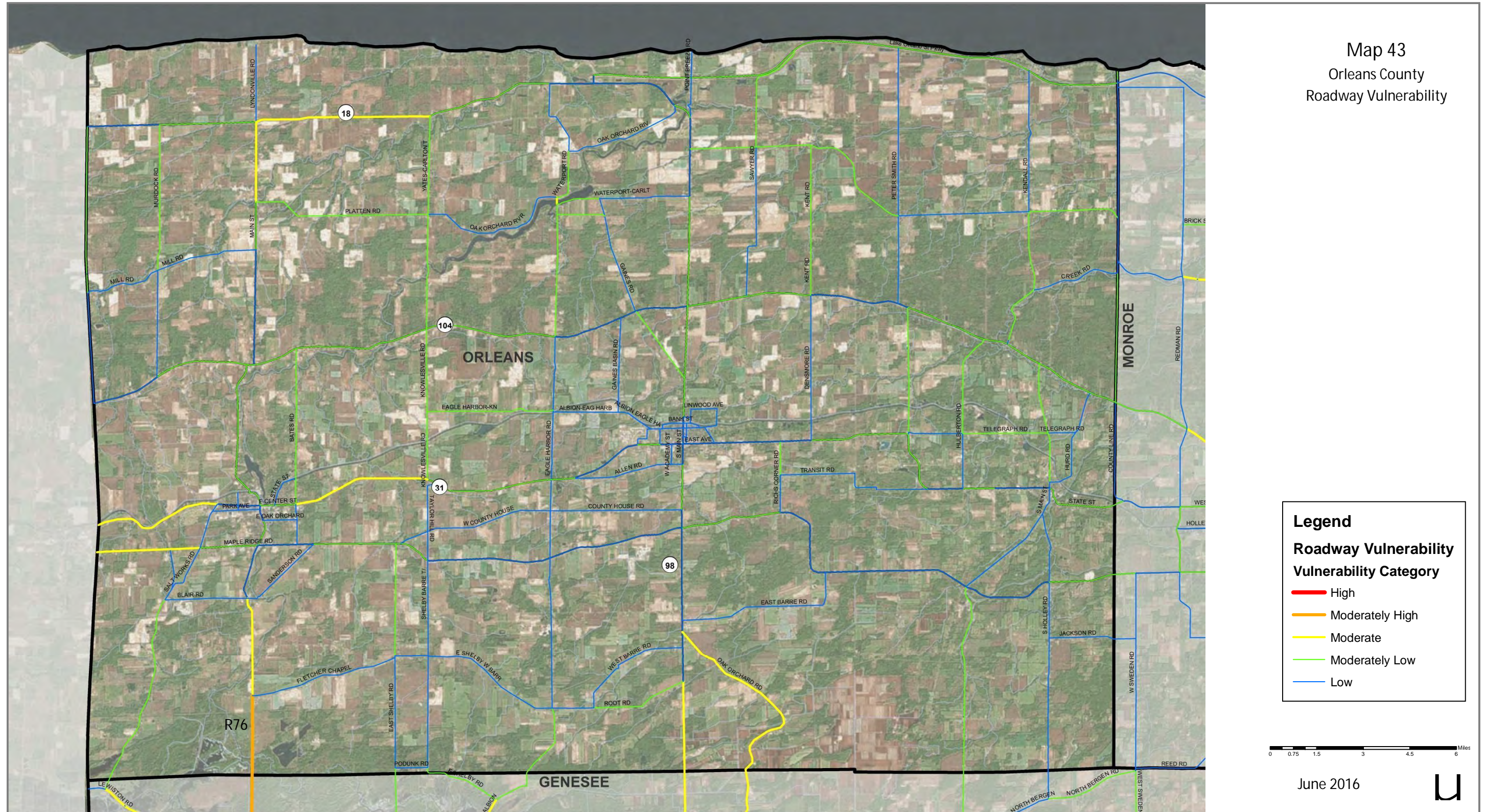


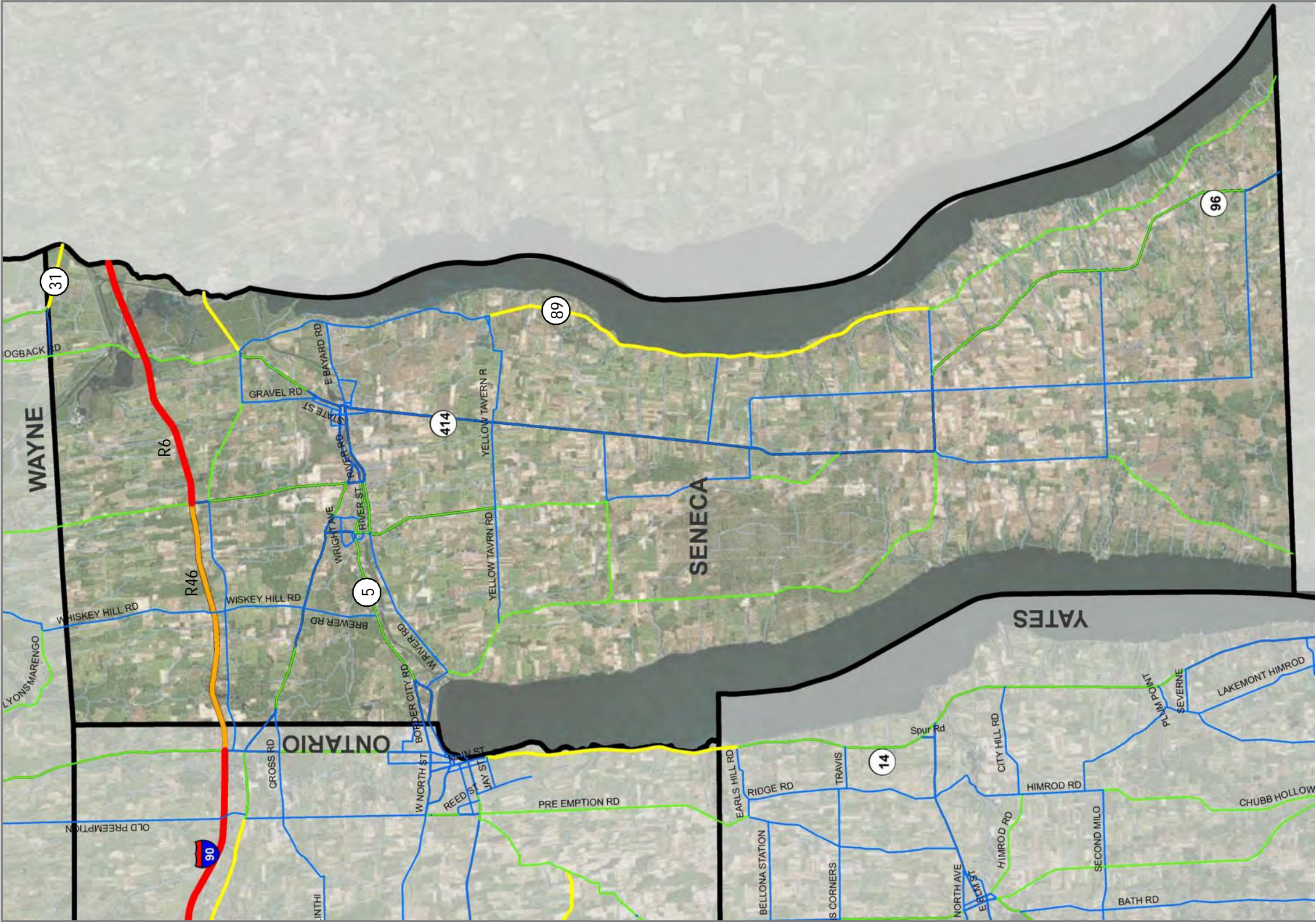












Legend

Roadway Vulnerability

Vulnerability Category

High

Moderately High

Moderate

Moderately Low

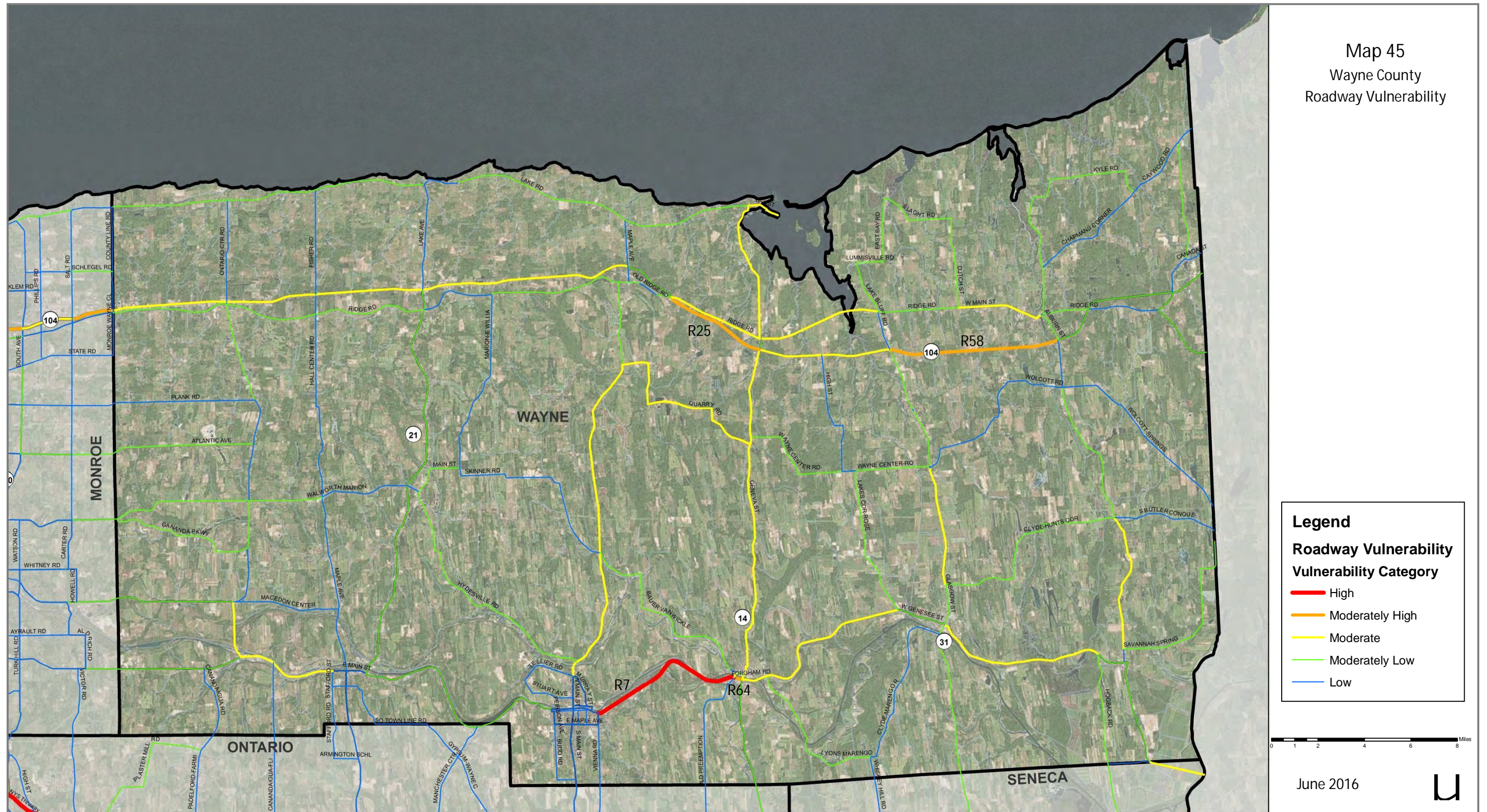
Low

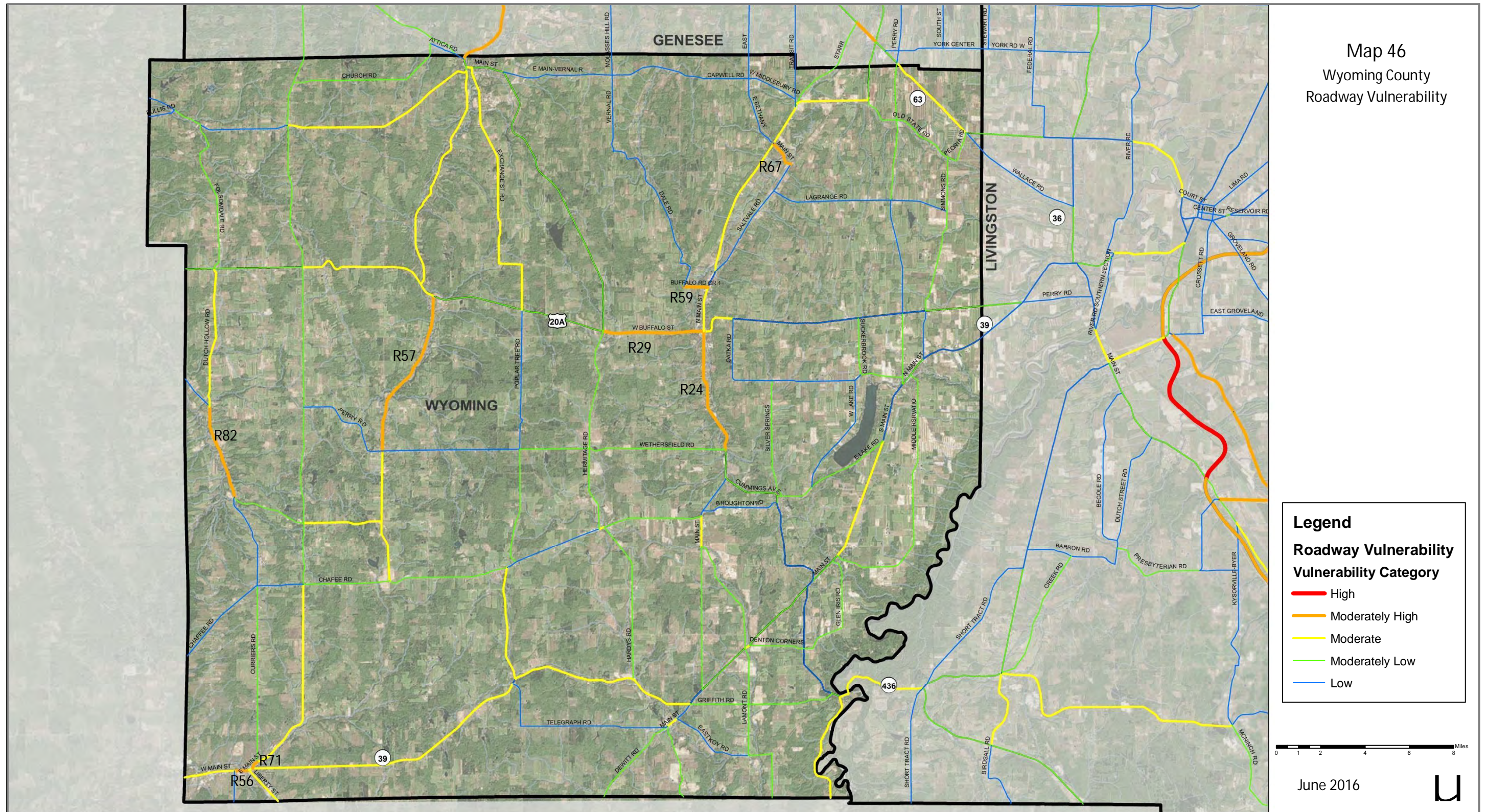
Map 44
Seneca County
Roadway Vulnerability

01.252.557.510

Miles

June 2016





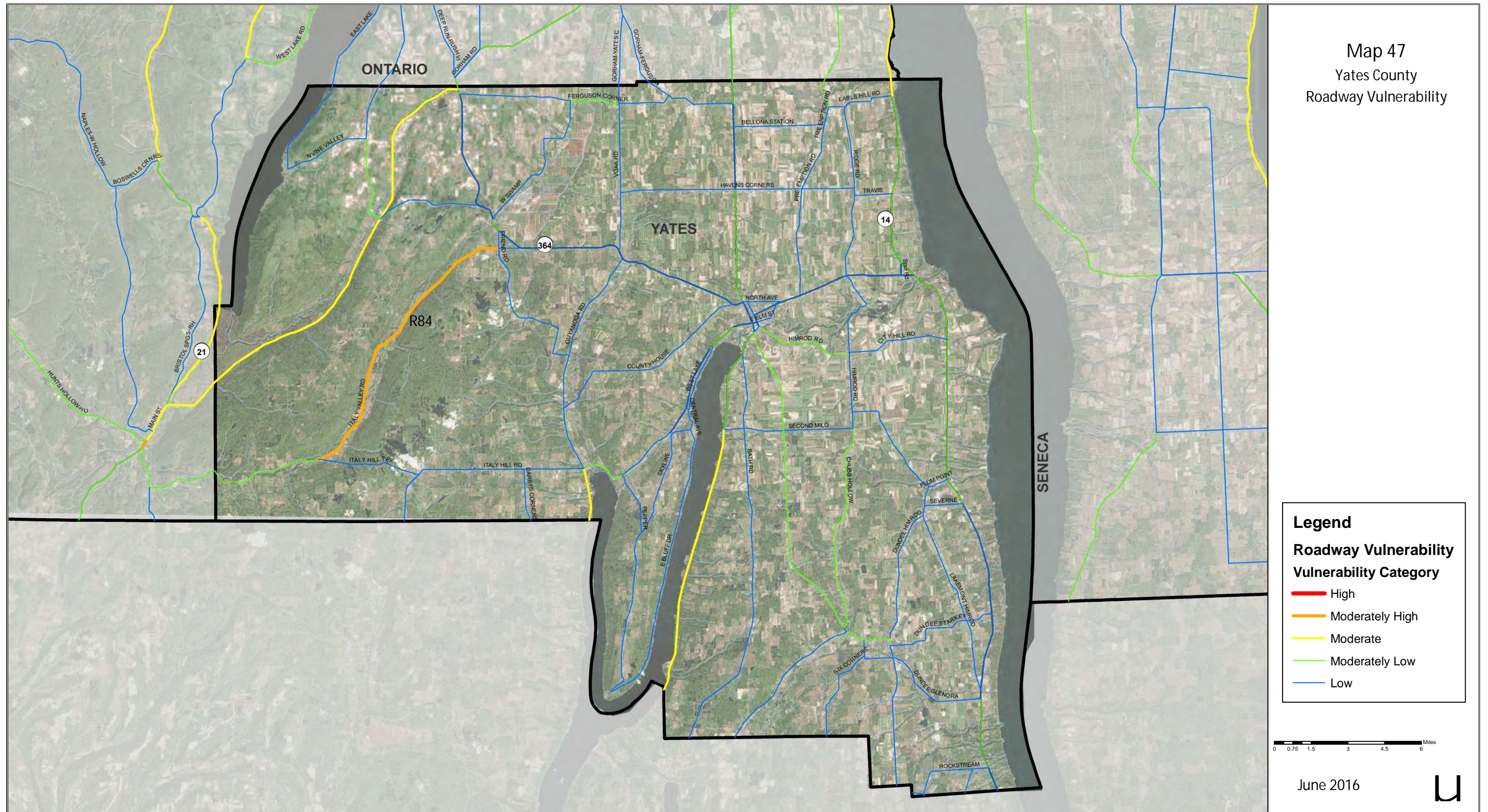


Table 19: Bridges Identified as Being Highly Vulnerable

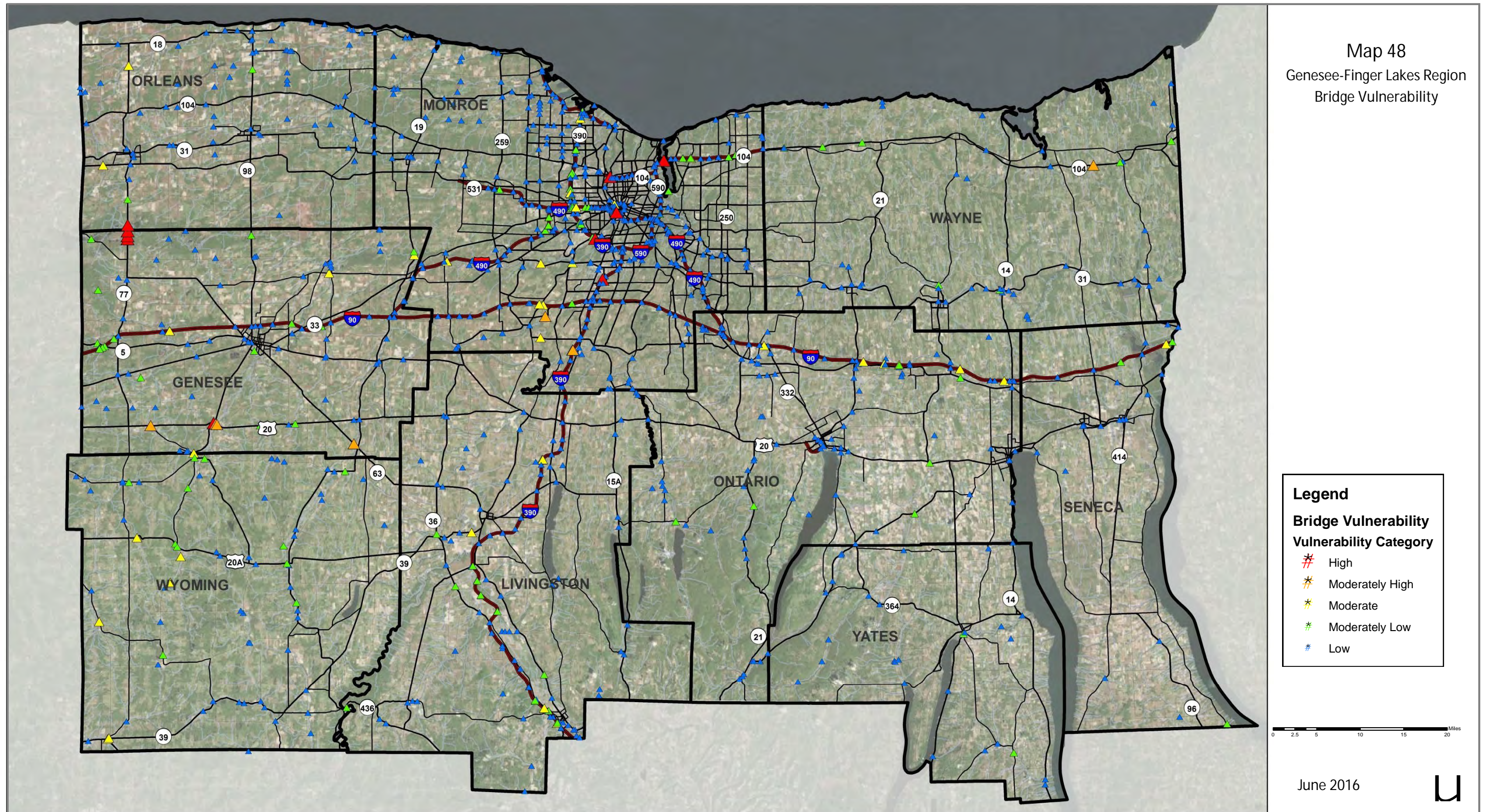
High Vulnerability							
Label	Name of Asset	BIN	Crossed	Responsible Agency	County	Total Asset Vulnerability Score	Determining Factors
B1	I-390 (northbound)	4070541	Genesee River	NYS DOT	Monroe	269	Critical transportation corridor with limited detours, provides access to regional hospitals, and exposure to crashes and Hazmat spills.
B2	I-390 (southbound)	4070542	Genesee River	NYS DOT	Monroe	269	Critical transportation corridor with limited detours, provides access to regional hospitals, and exposure to crashes and Hazmat spills.
B3	NY State Route 104 (Veteran's Memorial Bridge)	1014830	Genesee River	NYS DOT	Monroe	258.75	Critical transportation corridor with limited detours, provides access to regional hospital, and exposure to crashes and Hazmat spills.
B4	I-490 (Frederick Douglass-Susan B. Anthony Memorial Bridge)	4050129	Genesee River	NYS DOT	Monroe	255.5	Critical transportation corridor with limited detours, provides access to/ from Downtown Rochester, and exposure to crashes and Hazmat spills.
B5	US 20	1015620	NY State Route 98	NYS DOT	Genesee	231	Located in a flood prone area and exposure to snow storms.
B6	I-390 (northbound)	1070052	Railroad	NYS DOT	Monroe	231	Exposure to flooding during heavy rains.
B7	I-390 (southbound)	1070051	Railroad	NYS DOT	Monroe	231	Exposure to flooding during heavy rains.
B8	NY State Route 63	1028790	Swamp	NYS DOT	Genesee	230.75	Exposure to flooding.
B9	NY State Route 63	1028800	Oak Orchard Swamp	NYS DOT	Genesee	230.75	Exposure to flooding.

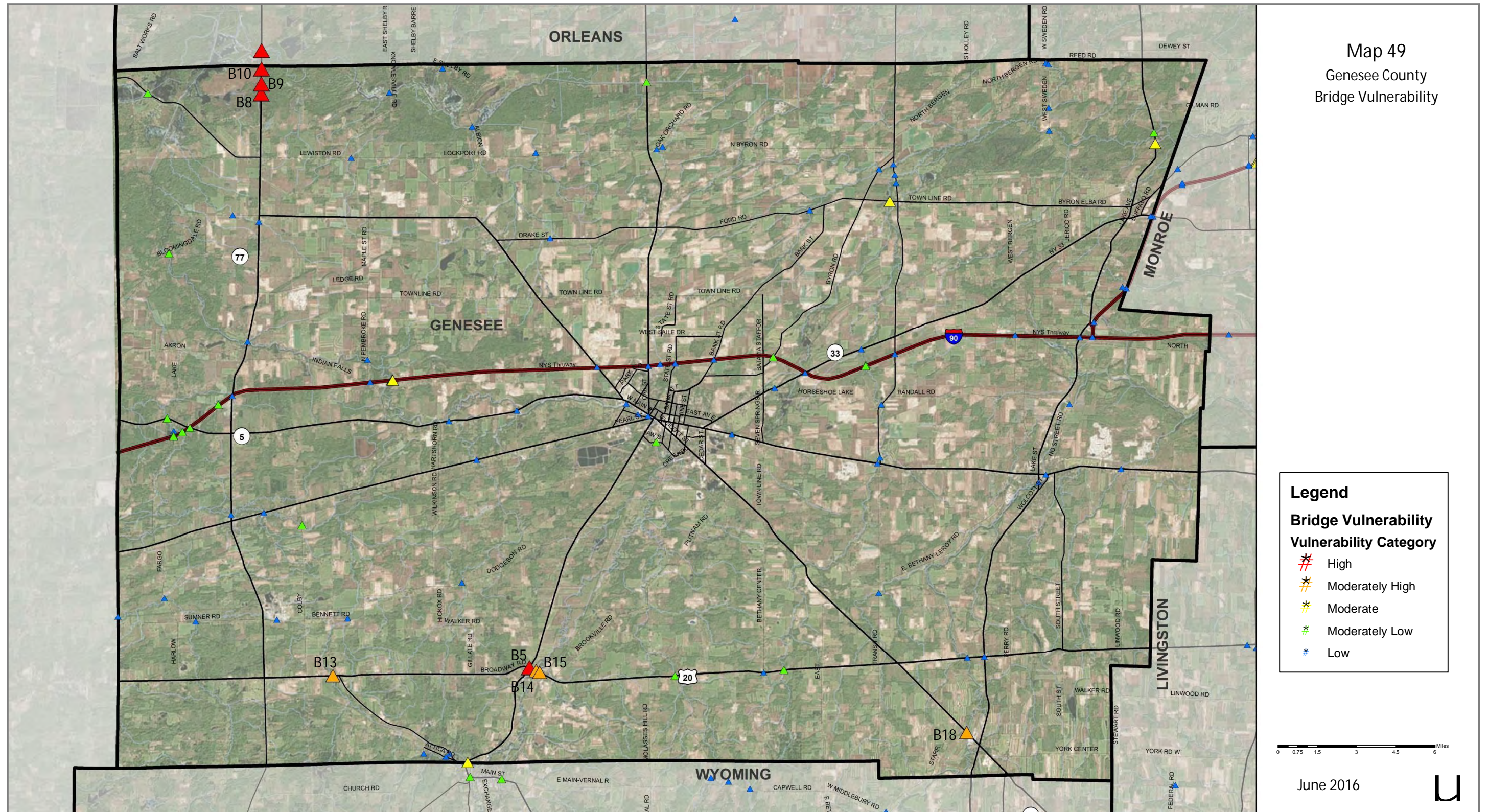
High Vulnerability							
Label	Name of Asset	BIN	Crossed	Responsible Agency	County	Total Asset Vulnerability Score	Determining Factors
B10	NY State Route 63	1028810	Oak Orchard Swamp	NYSDOT	Genesee	230.75	Exposure to flooding.
B11	NY State Route 104	1052239	Irondequoit Bay (Irondequoit Bay Bridge)	NYSDOT	Monroe	226.75	Critical transportation corridor with limited detours, part of Ginna evacuation route, and exposure to high winds, landslide susceptibility, crashes and Hazmat spills.
B12	NY State Route 63	1028820	Oak Orchard Swamp	NYSDOT	Orleans	226.25	Exposure to flooding.

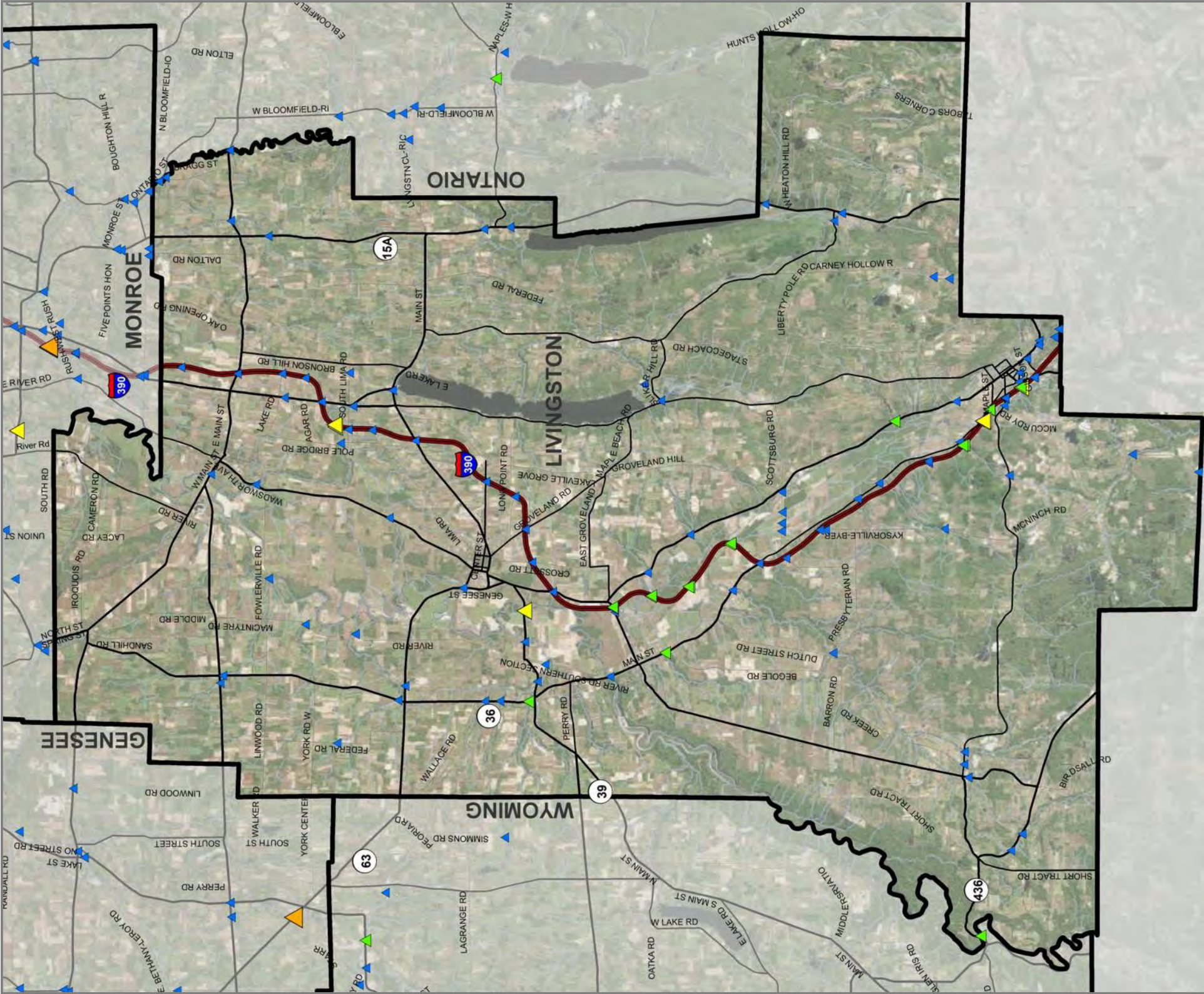
Table 20: Bridges Identified as Being Moderately Highly Vulnerable

Moderately High Vulnerability							
Label	Name of Asset	BIN	Crossed	Responsible Agency	County	Total Asset Vulnerability Score	Determining Factors
B13	US 20	1015610	Murder Creek	NYSDOT	Genesee	222.75	Exposure to flooding.
B14	US 20	1015630	Tonawanda Creek	NYSDOT	Genesee	220.5	Exposure to flooding.
B15	US 20	1015640	Tonawanda Creek Overflow	NYSDOT	Genesee	215.5	Exposure to flooding.
B16	I-390 (northbound)	1070312	Fishell Road	NYSDOT	Monroe	210.25	Critical transportation link located in flood prone area.
B17	I-390 (southbound)	1070311	Fishell Road	NYSDOT	Monroe	210.25	Critical transportation link located in flood prone area.
B18	NY State Route 63	1028740	Oatka Creek	NYSDOT	Genesee	204.25	Heavily traveled truck route with exposure to Hazmat spills and flooding.
B19	NY State Route 253	1043440	Genesee River	NYSDOT	Monroe	202.75	Exposure to flooding.

Moderately High Vulnerability							
Label	Name of Asset	BIN	Crossed	Responsible Agency	County	Total Asset Vulnerability Score	Determining Factors
B20	NY State Route 104	1093600	Mudge Creek	NYS DOT	Wayne	202.25	Exposure to flooding.







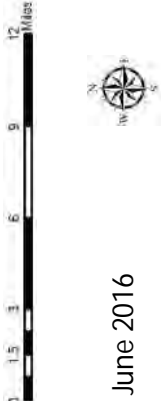
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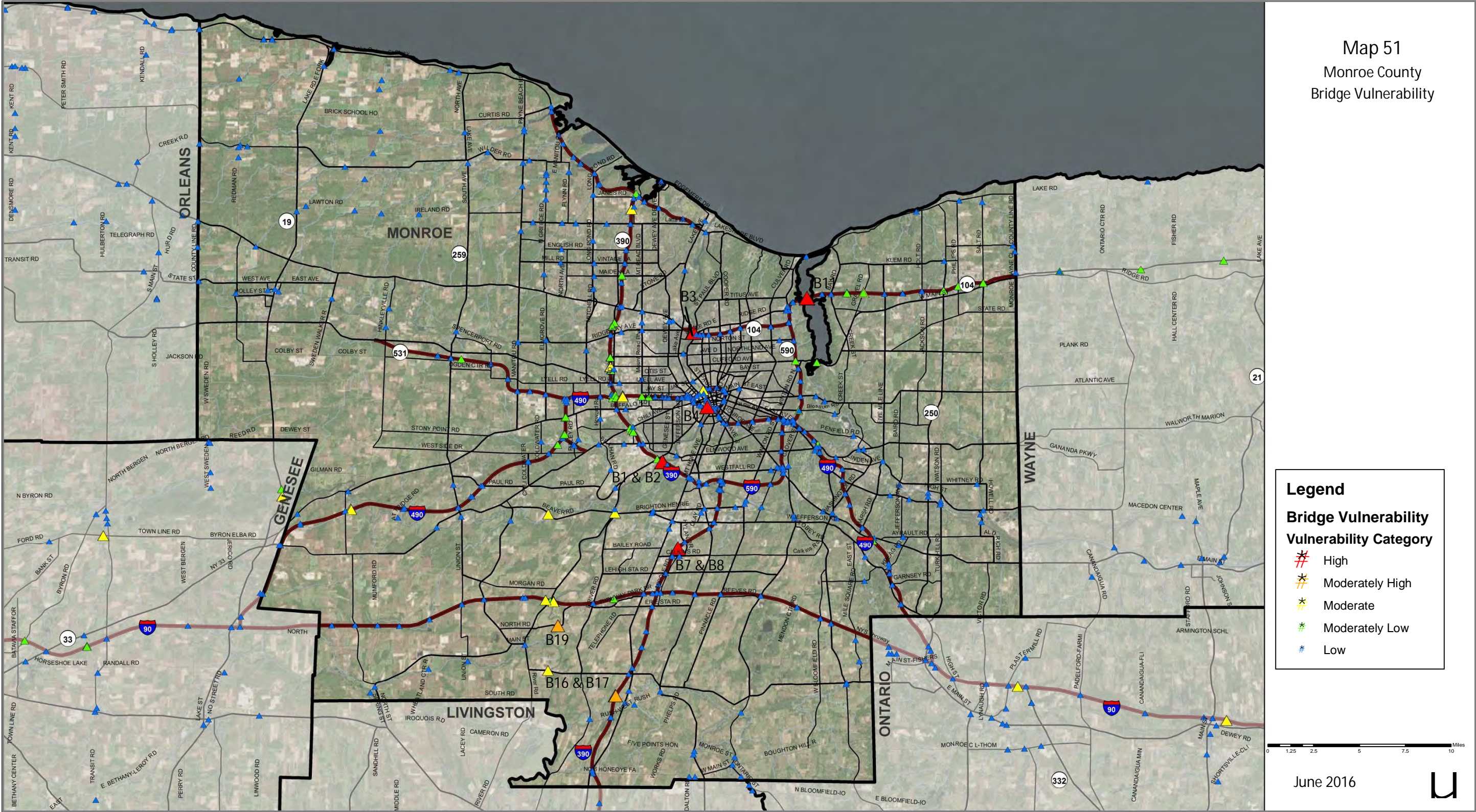
Bridge Vulnerability

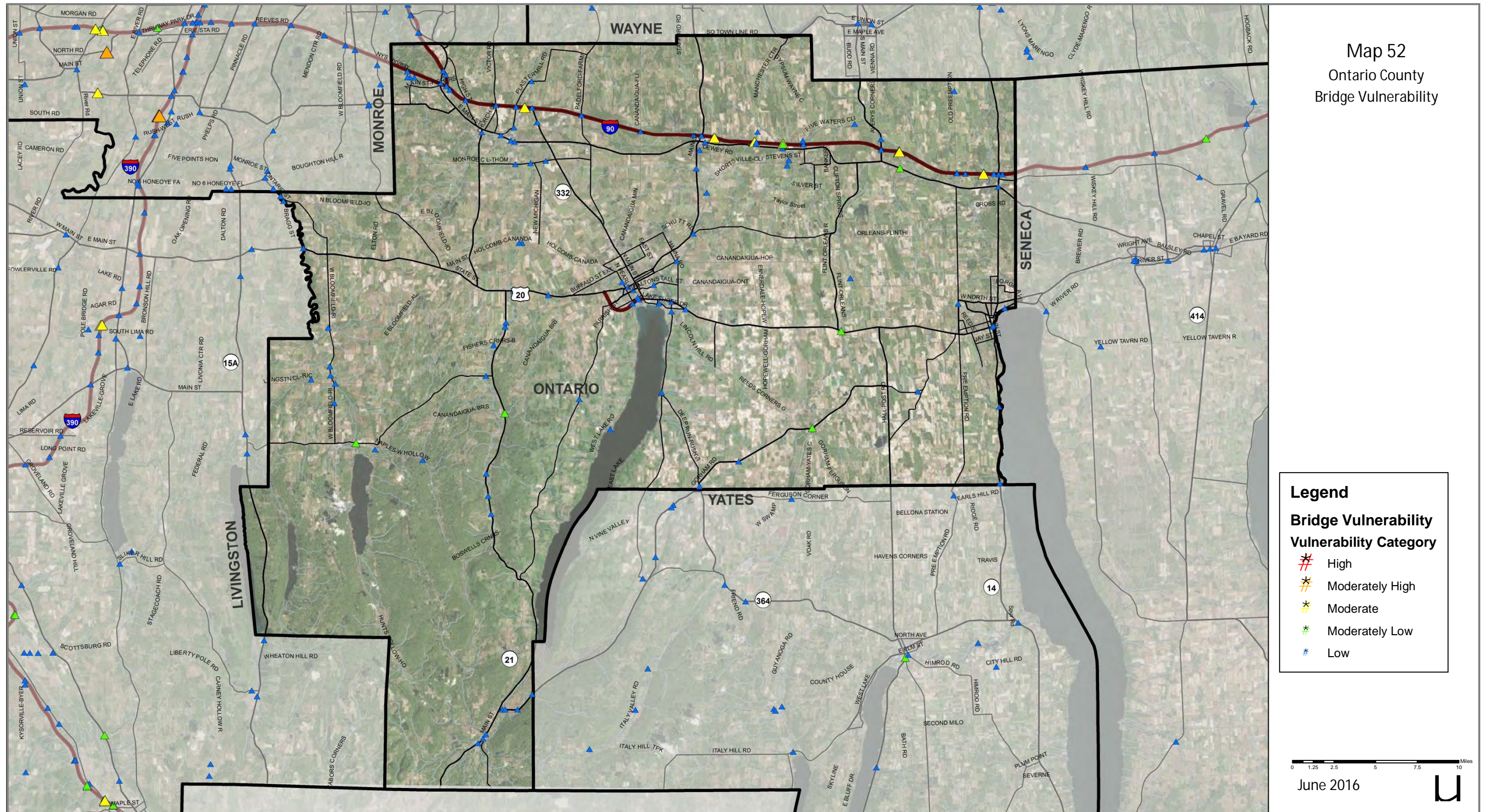
Vulnerability Category

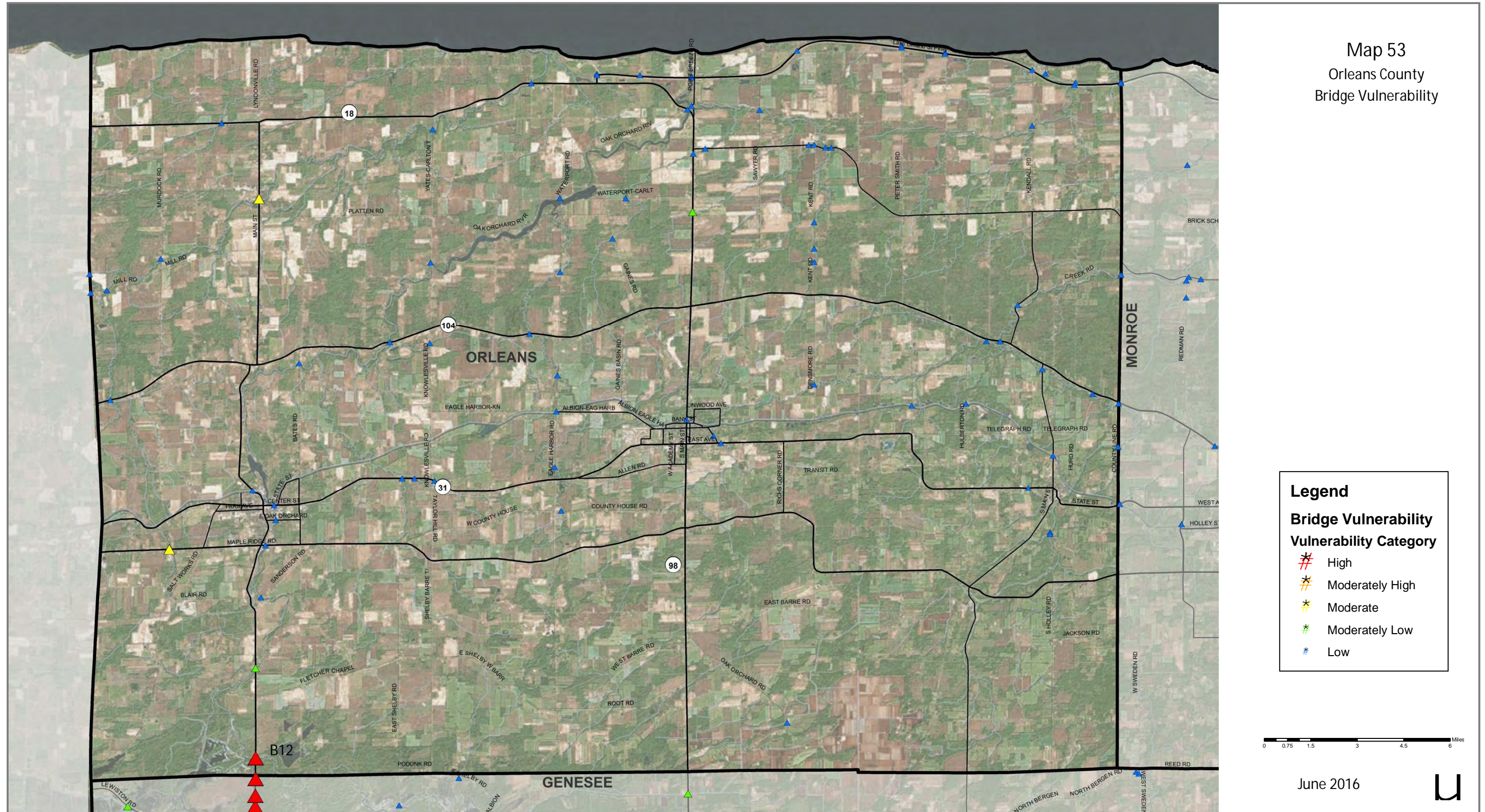
- High
- Moderately High
- Moderate
- Moderately Low
- Low

Map 50
Livingston County
Bridge Vulnerability











Legend

Bridge Vulnerability

Vulnerability Category

#

High

#

Moderately High

#

Moderate

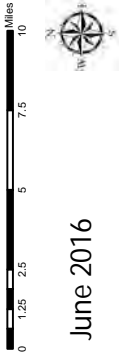
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Moderately Low

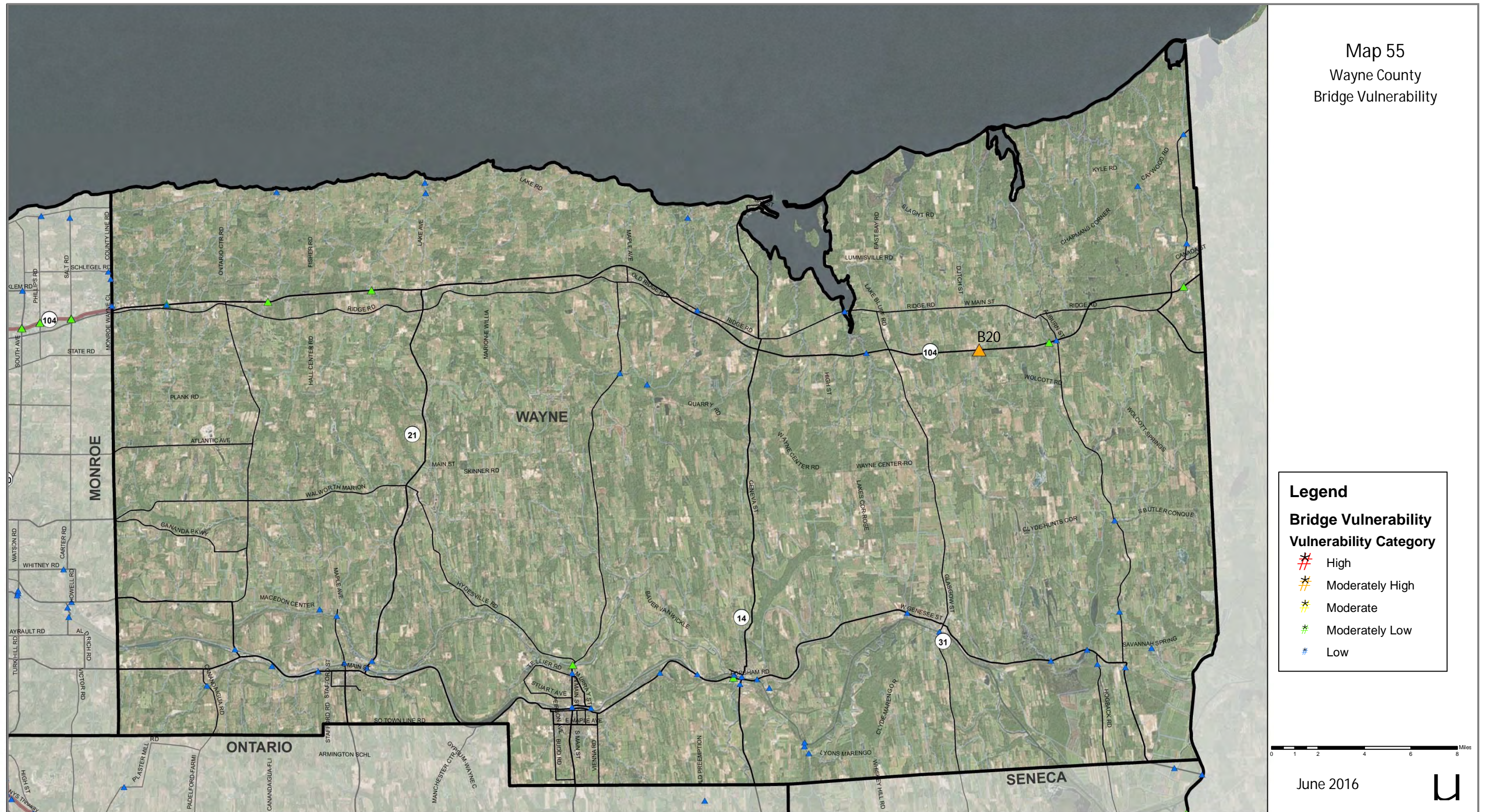
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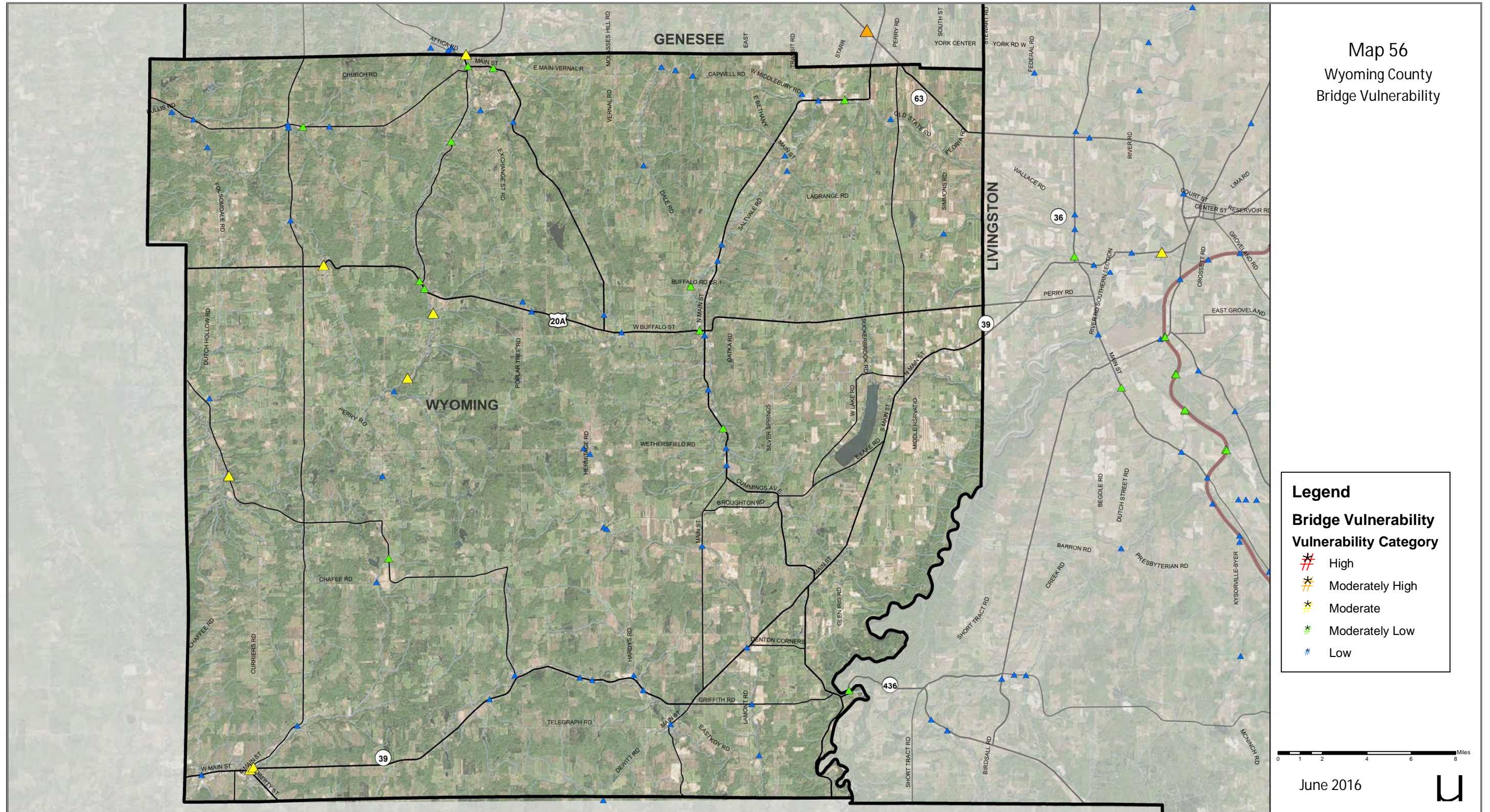
Low

Map 54
Seneca County
Bridge Vulnerability



June 2016





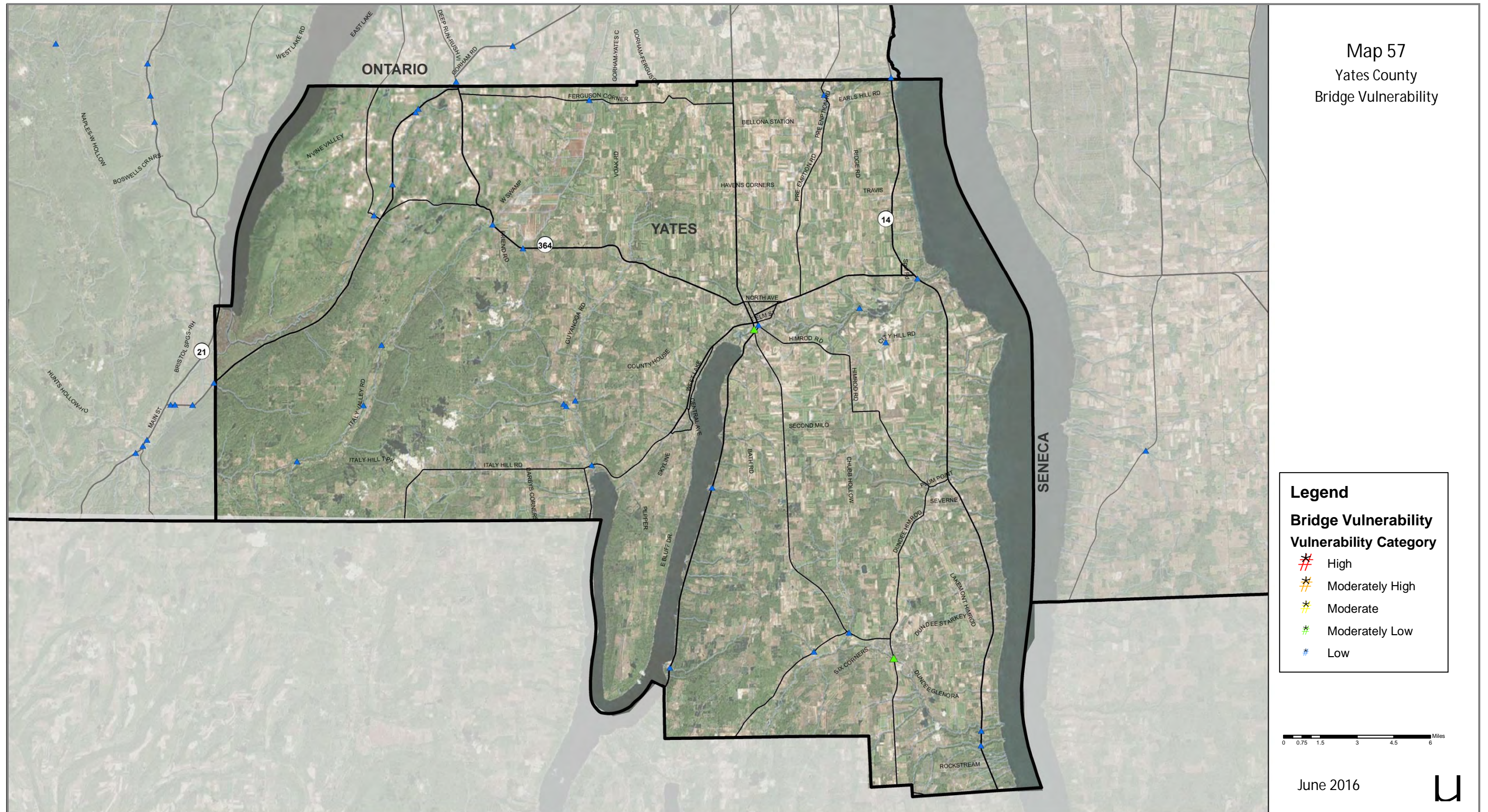


Table 21: Facilities Identified as Being Highly Vulnerable

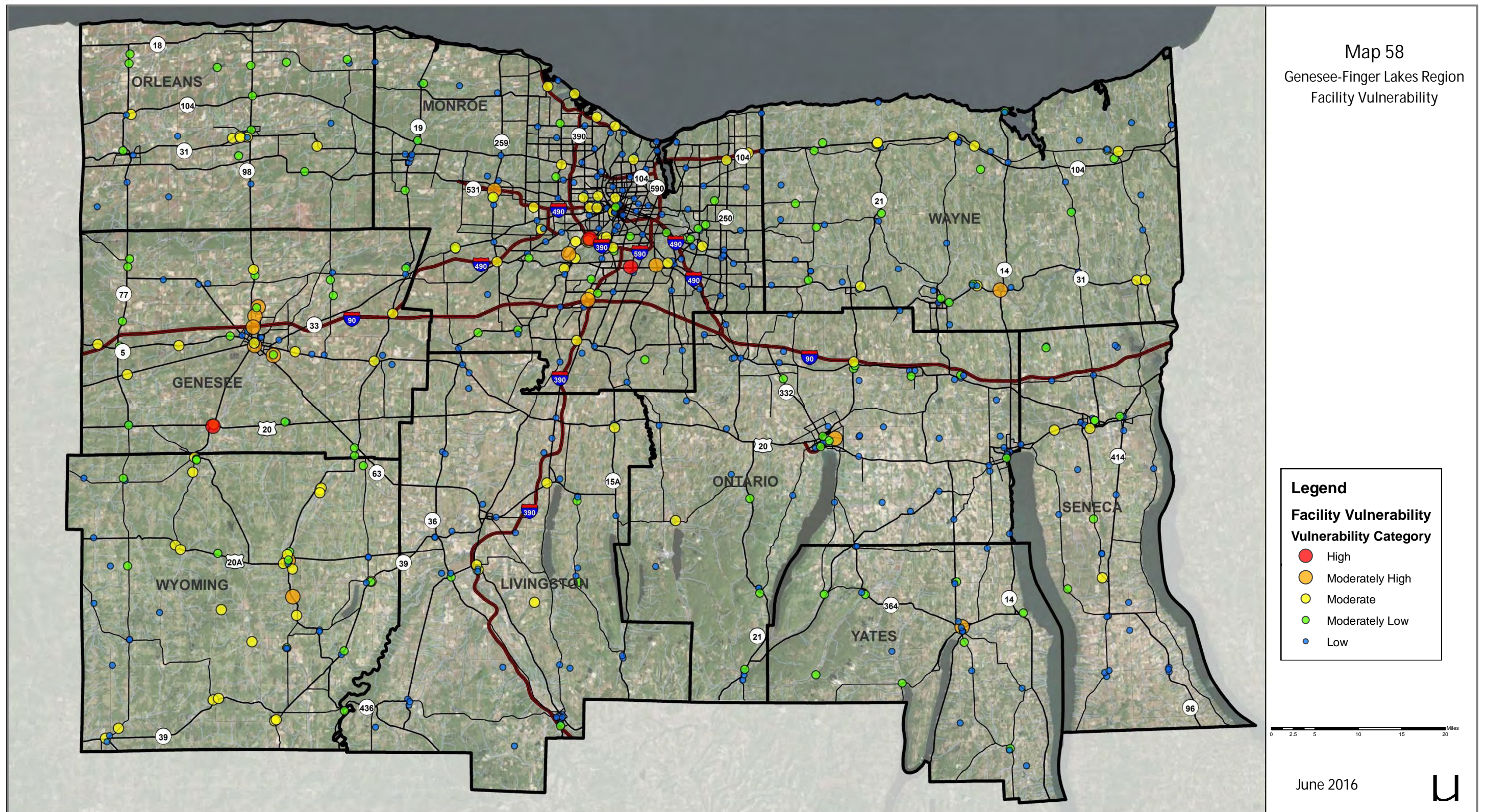
High Vulnerability						
Label	Name of Asset	Location	Responsible Agency	County	Total Asset Vulnerability Score	Determining Factors
F1	NYSDOT Region 4 Office	Winton Road – Henrietta	NYSDOT	Monroe	259	Facility critical to emergency preparedness and response as well as regional transportation operations; facility lies within a flood prone area.
F2	Town of Alexander Highway Garage	Village of Alexander	Town of Alexander	Genesee	227	Highway garage is prone to flooding and has been flooding on numerous occasions.
F3	Regional Traffic Operations Center	Scottsville Street – Rochester	Monroe County	Monroe	225.5	Facility critical to emergency preparedness and response as well as regional transportation operations.

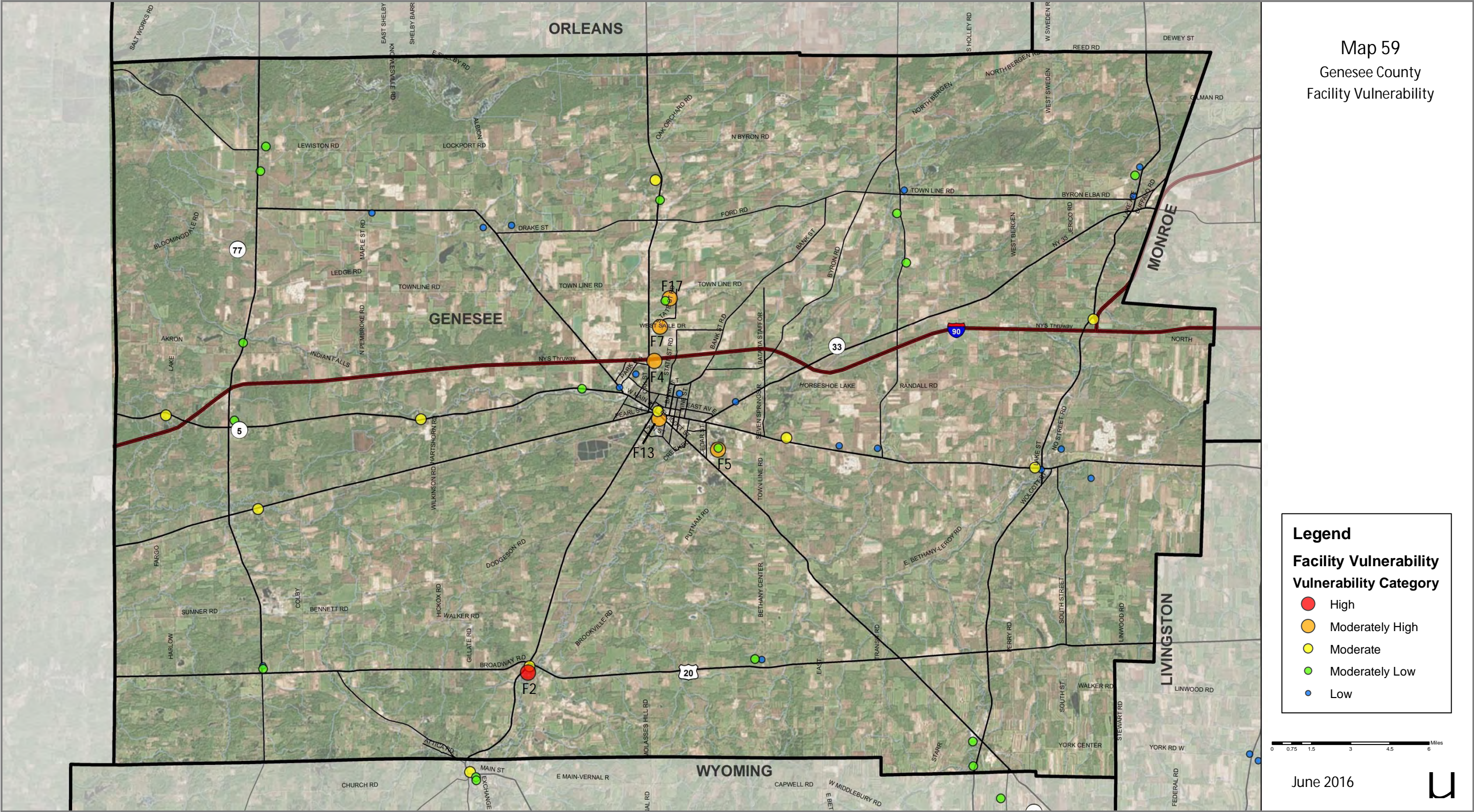
Table 22: Facilities Identified as Being Moderately Highly Vulnerable

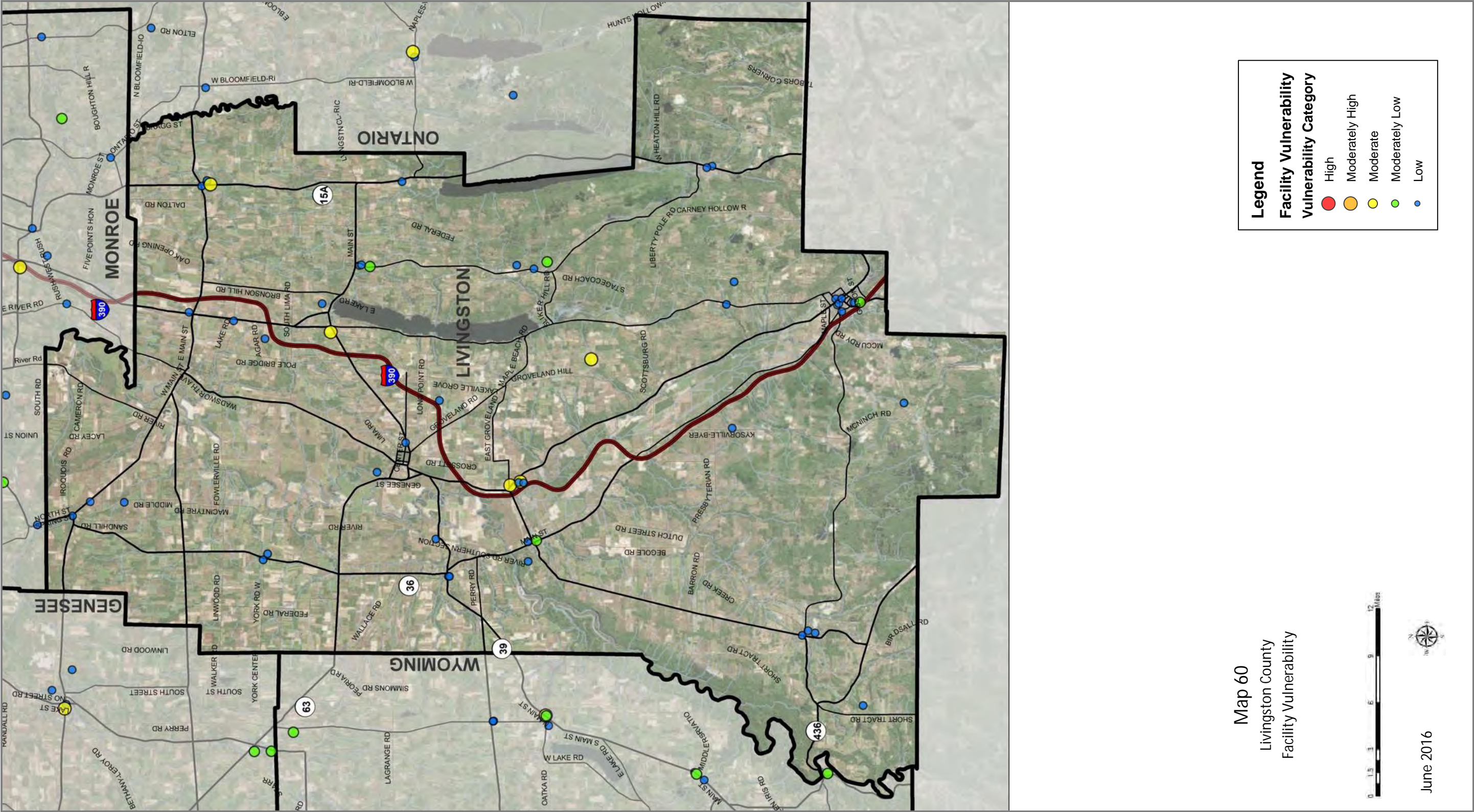
Moderately High Vulnerability						
Label	Name of Asset	Location	Responsible Agency	County	Total Asset Vulnerability Score	Determining Factors
F4	New York State Thruway Facility (MP 378.2-MP 409.4)	New York State Thruway Exit 48	NYSTA	Genesee	222	Facility critical to emergency preparedness and response as well as regional transportation operations; exposure to snow storms.
F5	Genesee County Highway Garage	Cedar Street – Batavia	Genesee County	Genesee	219.5	Facility critical to emergency preparedness and response as well as regional transportation operations; located in a flood prone area.
F6	Monroe County Fleet Center	Paul Road – Rochester	Monroe County	Monroe	219.5	Facility critical to emergency preparedness and response as well as regional transportation operations; located in an area where air traffic incidents could impact facility or operation of.

Moderately High Vulnerability						
Label	Name of Asset	Location	Responsible Agency	County	Total Asset Vulnerability Score	Determining Factors
F7	New York State Police	West Saile Drive – Batavia	NYS Police	Genesee	213	Facility critical to emergency preparedness and response as well as regional transportation operations; exposure to snow storms; located adjacent to a flood prone area.
F8	NYSDOT Warsaw Facility	NY 19 – Warsaw	NYSDOT	Wyoming	213	Facility critical to emergency preparedness and response as well as regional transportation operations; exposure to snow storms; located adjacent to a flood prone area.
F9	NYSDOT Region 4 Emergency Management	NY 65 – Pittsford	NYSDOT	Monroe	210.5	Facility critical to emergency preparedness and response as well as regional transportation operations.
F10	Ontario County Highway Facility	Saltonstall Street – Canandaigua	Ontario County	Ontario	210.5	Located in a flood prone area.
F11	New York State Police	Forgham Road – Lyons	NYS Police	Wayne	208.5	Facility critical to emergency preparedness and response as well as regional transportation operations; exposure to snow storms; located adjacent to a flood prone area.
F12	Monroe County Sheriff Substation C	NY 259 – Ogden	Monroe County	Monroe	206.5	Facility critical to emergency preparedness and response as well as regional transportation operations.
F13	City of Batavia Fire Department	NY 63/ Ellicott Street – Batavia	City of Batavia	Genesee	204.5	Facility critical to emergency preparedness and response as well as regional transportation operations; exposure to snow storms; located adjacent to a flood prone area.
F14	New York State Thruway Facility (MP 350.6-MP 378.2)	New York State Thruway Exit 46	NYSTA	Monroe	204	Facility critical to emergency preparedness and response as well as regional transportation operations; exposure to snow storms.
F15	New York State Police	Scottsville Road – Rochester	NYS Police	Monroe	204	Facility critical to emergency preparedness and response as well as regional transportation operations.

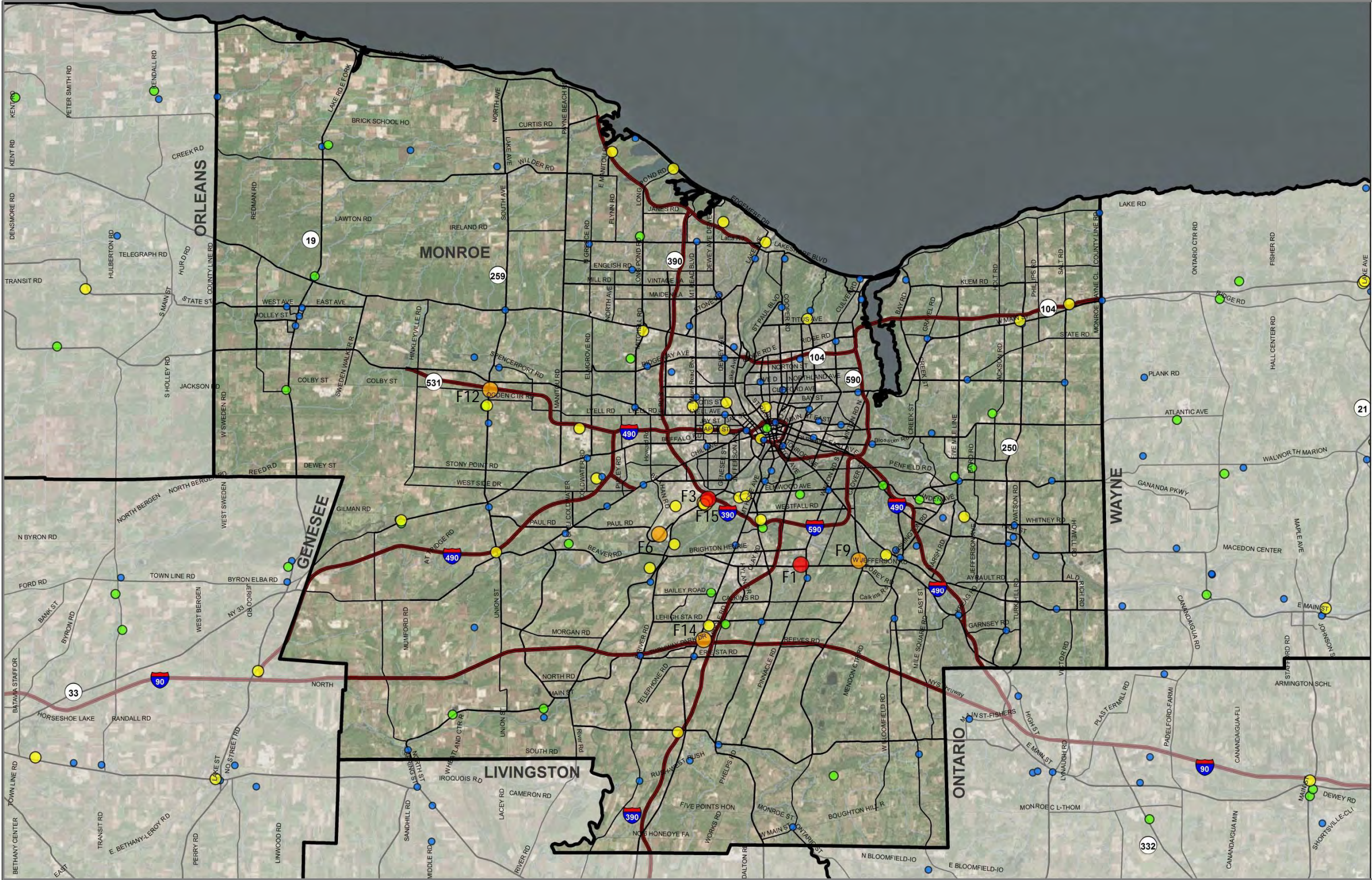
Moderately High Vulnerability						
Label	Name of Asset	Location	Responsible Agency	County	Total Asset Vulnerability Score	Determining Factors
F16	Yates County Sheriff	Main Street – Penn Yan	Yates County	Yates	204	Facility critical to emergency preparedness and response as well as regional transportation operations; located adjacent to a flood prone area.
F17	Genesee County Sheriff	State Street Road – Batavia	Genesee County	Genesee	203.5	Facility critical to emergency preparedness and response as well as regional transportation operations; exposure to snow storms; located adjacent to a flood prone area.
F18	Wyoming County Sheriff's Office	W. Main Street – Warsaw	Wyoming County	Wyoming	201	Facility critical to emergency preparedness and response as well as regional transportation operations; exposure to snow storms; located in a flood prone area.







Map 61
Monroe County
Facility Vulnerability



Legend

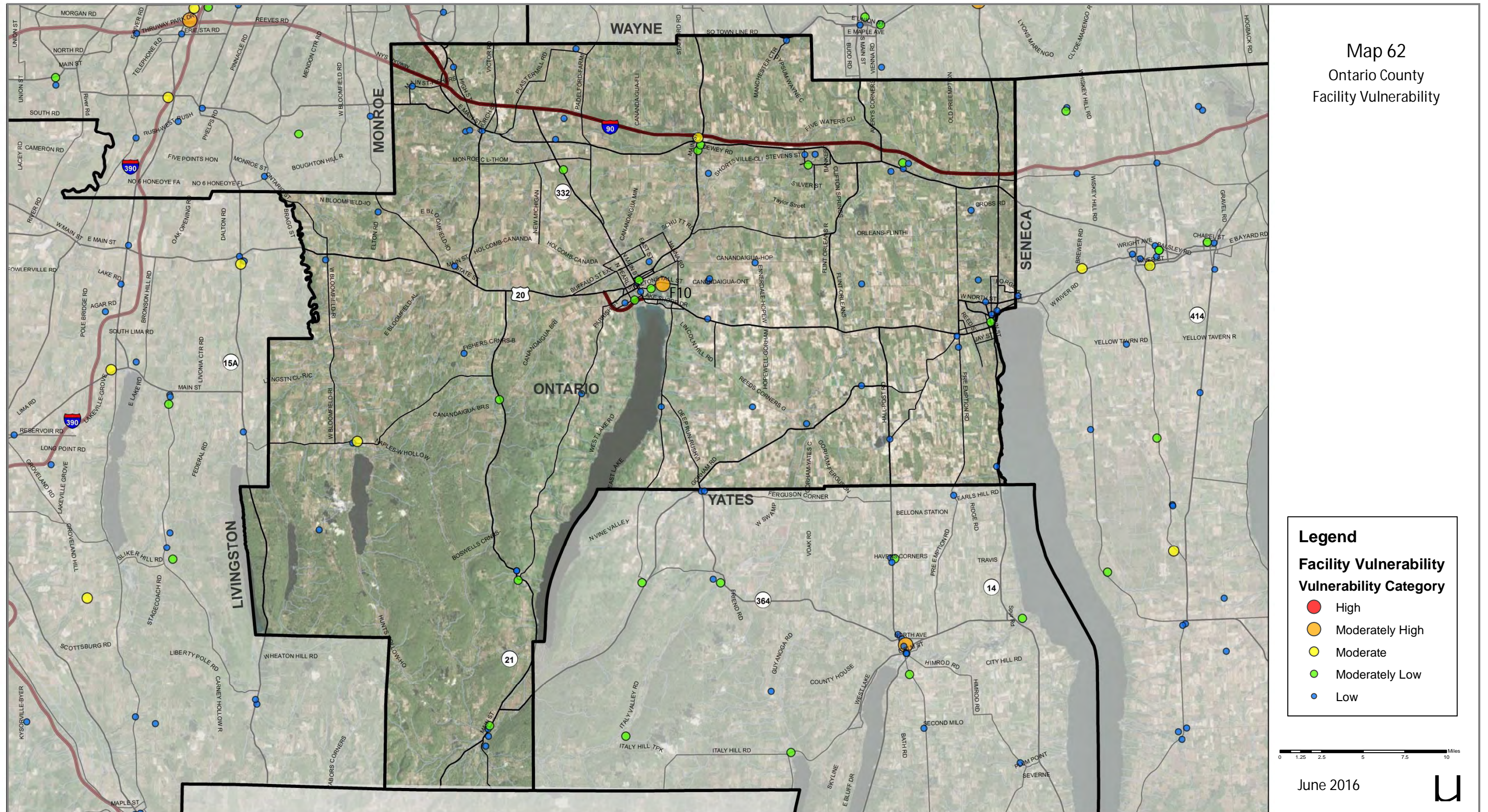
Facility Vulnerability

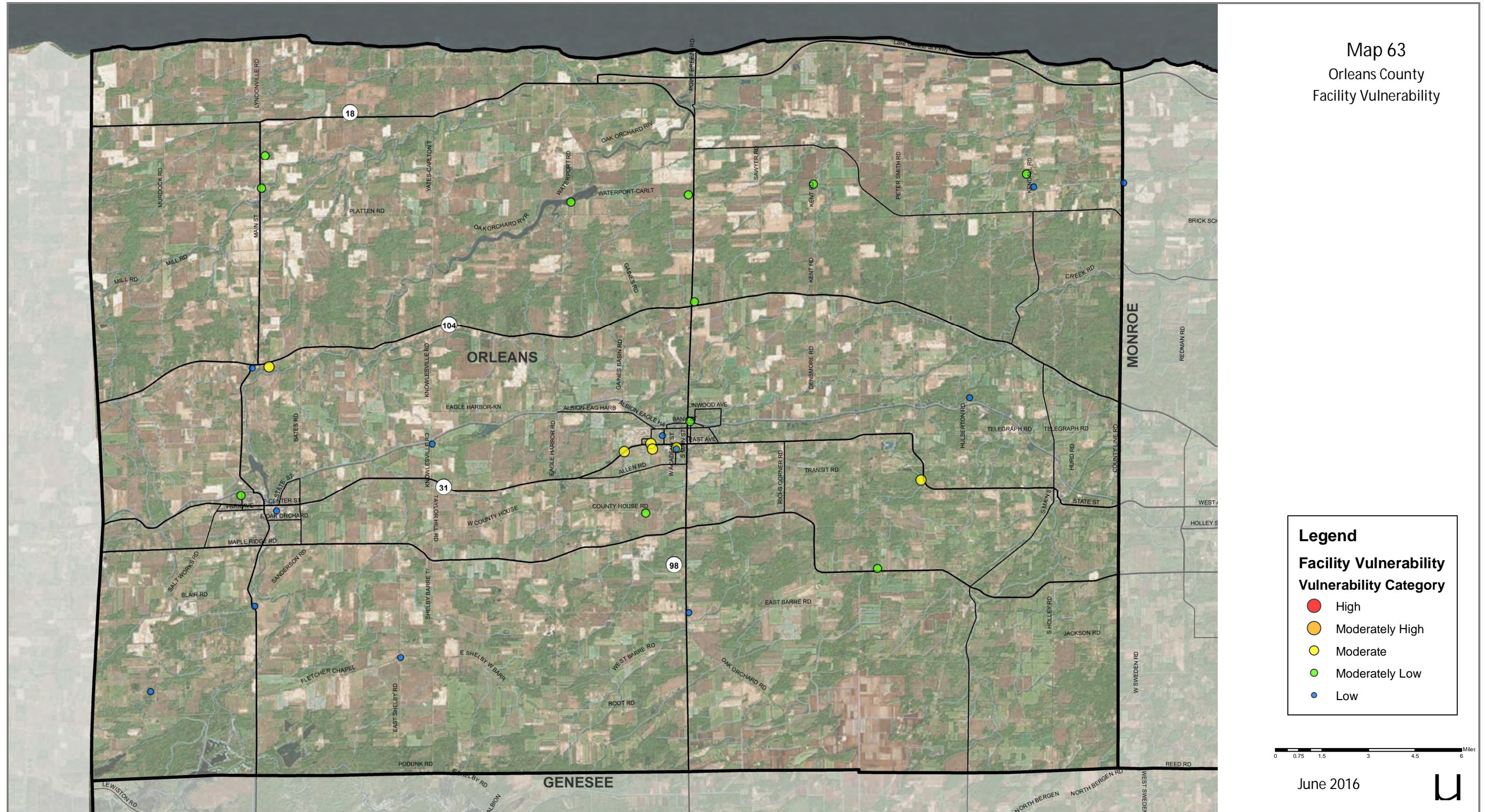
Vulnerability Category

- High
- Moderately High
- Moderate
- Moderately Low
- Low

June 2016









Legend

Facility Vulnerability

Vulnerability Category

High

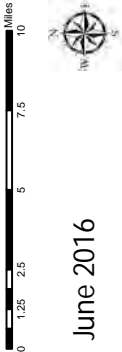
Moderately High

Moderate

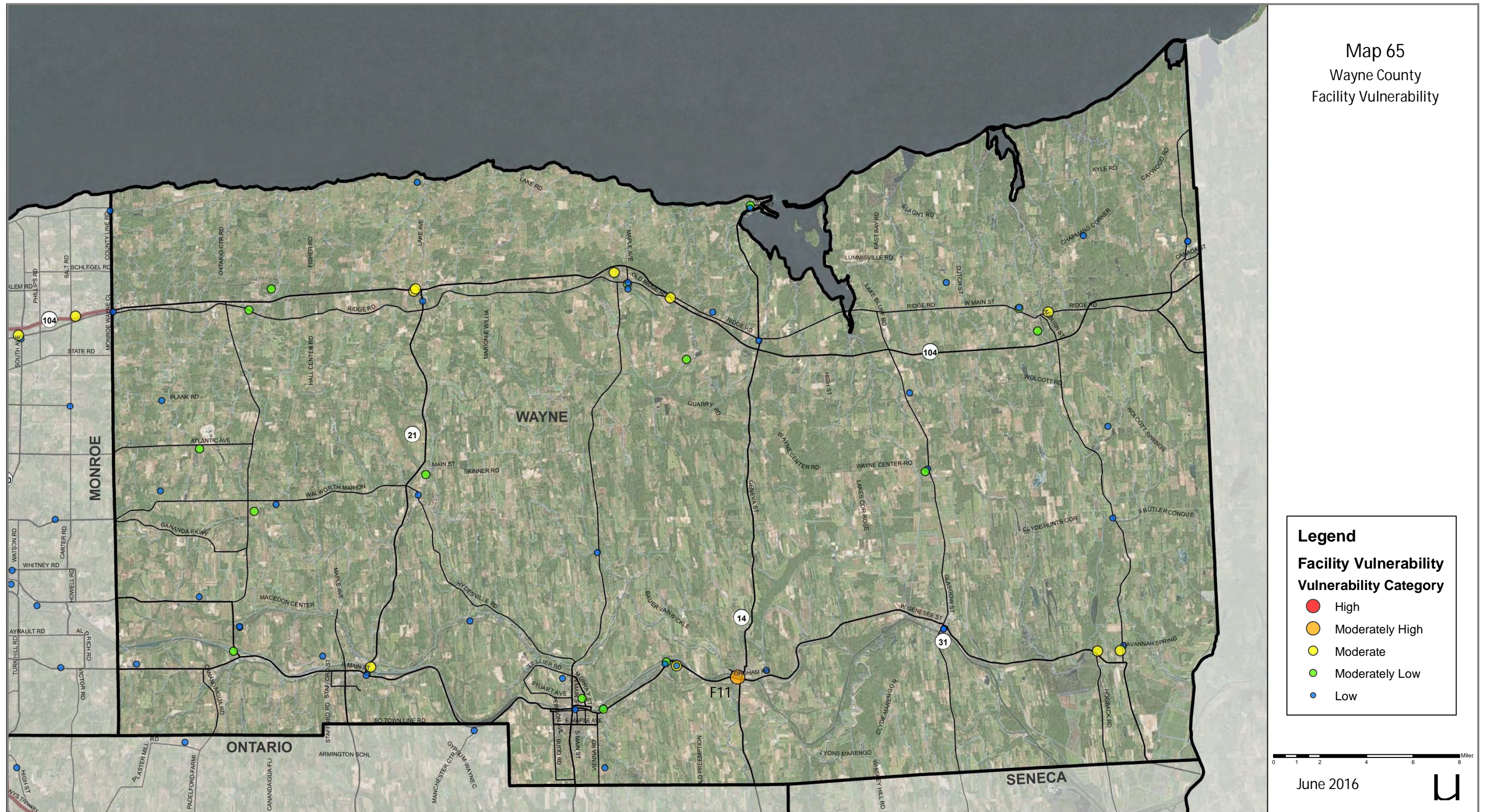
Moderately Low

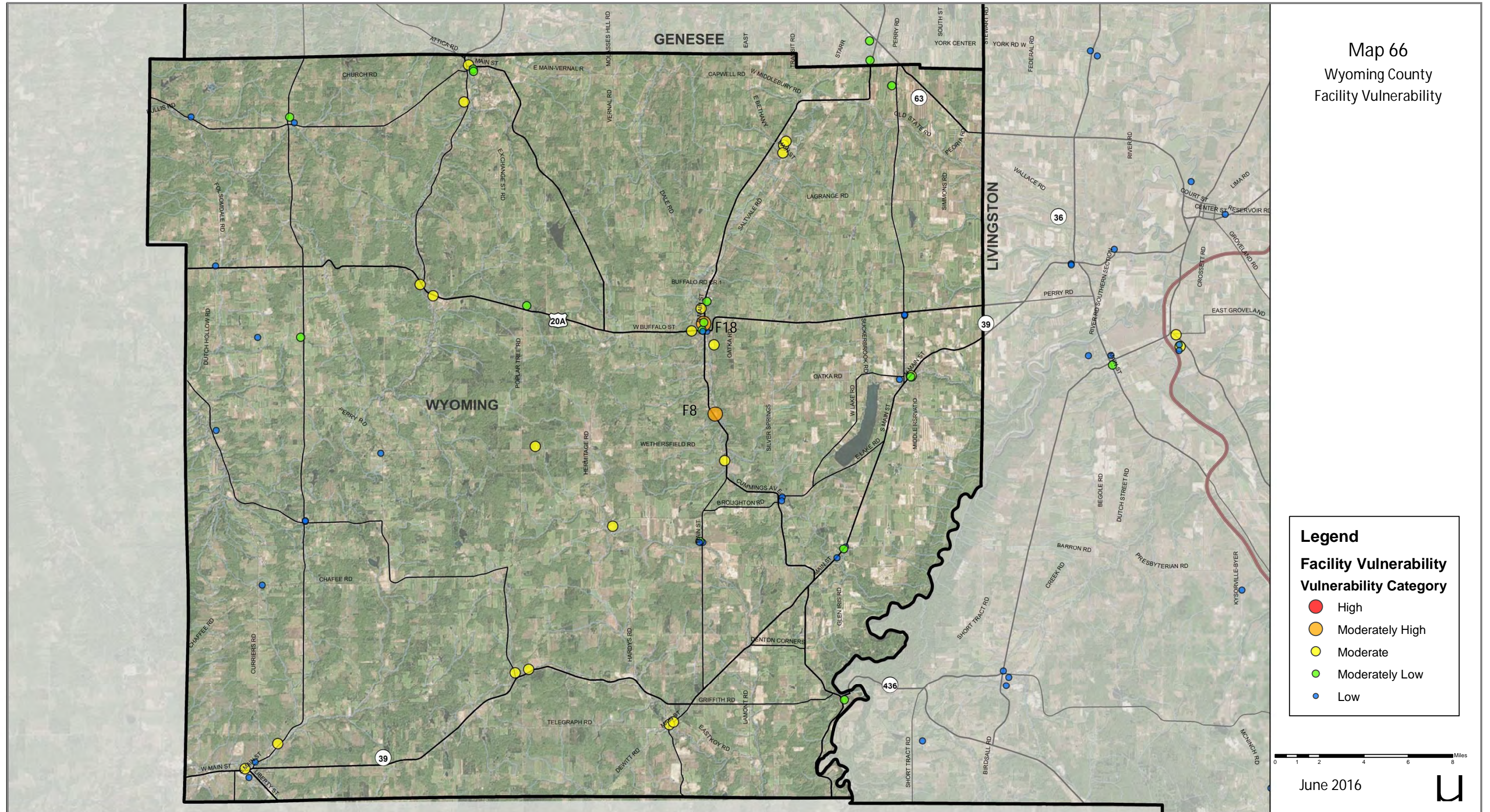
Low

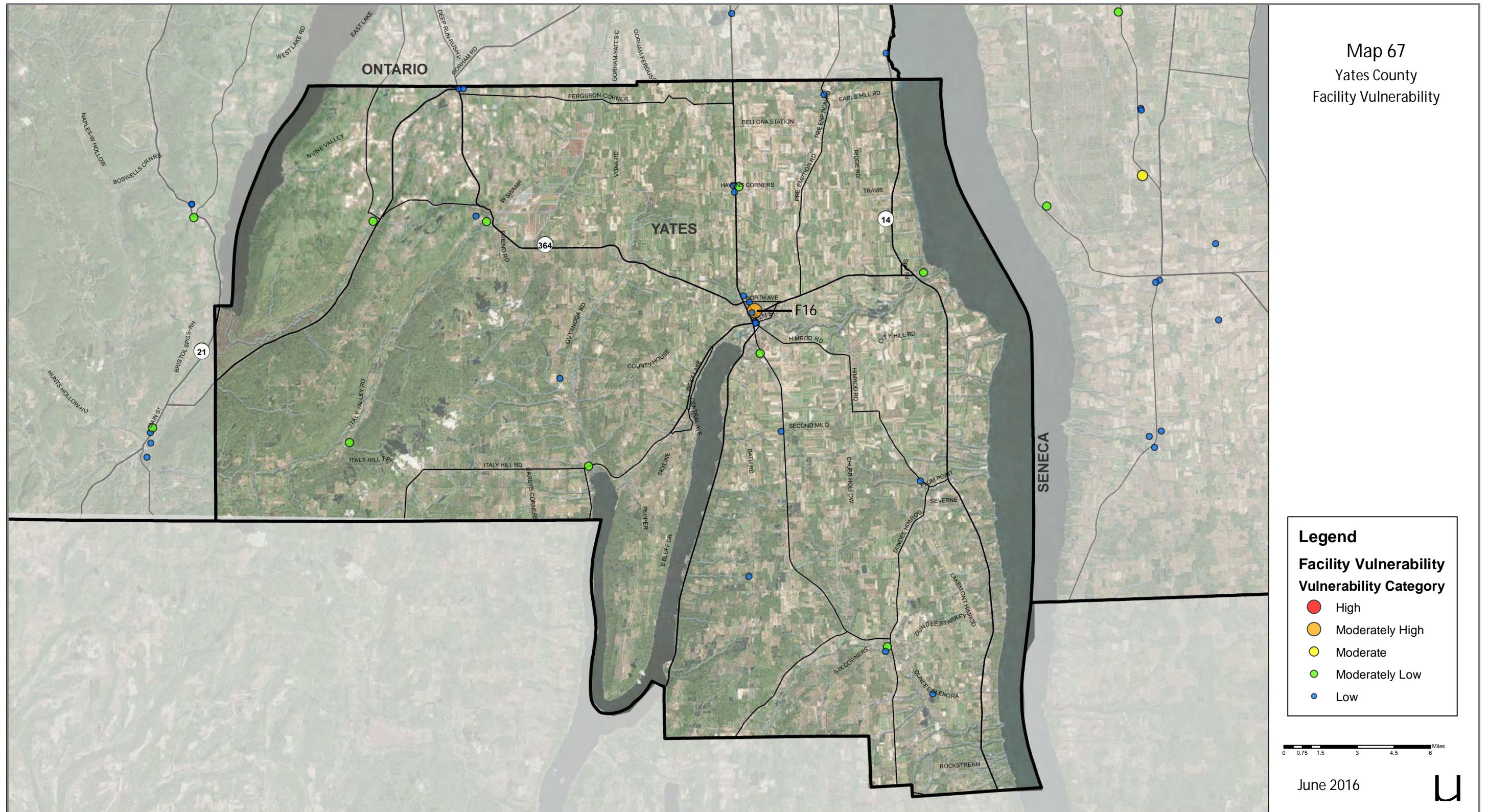
Map 64
Seneca County
Facility Vulnerability



June 2016







CHAPTER 5: HAZARD MITIGATION STRATEGIES

This chapter outlines strategies that can be applied to the critical transportation assets that were identified in Chapter 4 as being most vulnerable in order to prevent or mitigate impacts from potential natural and human-caused hazards. The hazard mitigation strategies provide the Genesee Transportation Council and member agencies and municipalities with a toolbox for minimizing or eliminating the potential impacts of hazard events.

FEMA, in its Multi-Hazard Mitigation Planning Guidance, defines hazard mitigation as “any sustained action taken to reduce or eliminate long-term risk to people and property from natural and human-caused hazards and their effects¹.” Mitigation strategies aim to reduce or minimize potential impacts from hazard events and differ from actions taken to prepare for or respond to hazard events. The objective is that mitigation strategies minimize or potentially even eliminate the need for preparedness or response actions in the future. Mitigation is different from preparedness, which is action taken to improve emergency response or operational preparedness.

Under the 2014 New York State Hazard Mitigation Plan (2014 SHMP), it is stated that the preferred methodology for implementing mitigation is to initiate actions before a disaster impacts New York, and this pre-disaster approach is the cornerstone of the State’s mitigation strategy, planning, and project activities. The Plan further states that attention to disaster prevention and mitigation activities is a highly desirable goal for all State agencies, which should include such considerations in their actions whenever they are feasible and compatible with program purposes and goals. Actions that would potentially have a negative impact on the prevention or mitigation of disasters should be avoided or modified to preclude a negative impact. This approach would cover State agencies and authorities throughout the Genesee-Finger Lakes Region such as NYS Department of State, NYS Department of Transportation, NYS Thruway Authority, NYS Department of Environmental Conservation, NYS Department of Health, NYS Energy Research and Development Authority (NYSERDA), and NYS Canal Corporation and should be applied to county and local municipalities and agencies as well.

There are several programs and initiatives that support a renewed focus on mitigation and resiliency for the State’s infrastructure, identified in the 2014 SHMP, including the following:

- New York State 2100 Commission – Formed in 2012 by Governor Cuomo, is tasked with identifying ways to improve the resilience and strength of the State’s infrastructure in the face of natural disasters and other emergencies.

¹Multi-Hazard Mitigation Planning Guidance Under the Disaster Mitigation Act of 2000, FEMA, January 2008 (Revised).

- Water Resource Law – In 2011, Governor Cuomo signed legislation to further protect New York’s waters by requiring a NYSDEC permit for water withdrawal systems having the capacity to withdraw 100,000 gallons per day or more of surface water or groundwater.
- Silver Jackets Program – Is a federally-led interagency team that brings together multiple federal, state, and local agencies to share knowledge to reduce flood risk and other natural disasters and enhance response and recovery efforts when such events do occur.
- New York Rising/ Office of Storm Recovery – Following the occurrence of numerous tropical storms and hurricanes, the Office of Storm Recovery was created, operating under the umbrella of New York Rising, to address communities’ most urgent needs, while also encouraging the identification of innovative and enduring solutions to strengthen the State’s infrastructure and critical systems.
- New York State Resiliency Institute for Storms & Emergencies (NY RISE) – Is an “applied think tank” led by New York University and Stony Brook University serving as a hub of research and education on emergency preparedness, as well as a clearinghouse of information regarding extreme weather and natural disasters.

Hazard Mitigation Categories

For ease in interpreting, hazard mitigation strategies are placed into the following categories:

Planning and Policy

Planning and Policy involves development of plans and planning processes, zoning and land use regulations, and compliance and enforcement programs. The planning process along with the development, dissemination, and implementation of plans allow all stakeholders to participate in consensus-building processes based upon a shared level of knowledge and understanding, thus increasing the potential for success. In addition to this study and its findings and mitigation strategies, the results of this study can be used by stakeholders to develop and customize more localized critical transportation infrastructure vulnerability assessments.

Appropriate land use management is a means to avoid or reduce the impacts of disasters. New York is a home rule state and the regulation of land development has been delegated to local governments, thus mitigation efforts are meant to encourage and guide municipalities to use appropriate land use regulatory authority to support mitigation efforts. Further, regulations and enforcement programs by State and local agencies manage regulatory programs such as building and fire codes, construction and maintenance of infrastructure, regulations of development in hazard-prone areas, and other types of functions and can assist in preventing or mitigating hazards.

Communication, Education, and Awareness

Communication, Education, and Awareness involves Federal, State, and local agencies getting information out to the public, media, and stakeholders about the potential for hazard events to occur as well as strategies that can aid in preventing or minimizing the impacts of hazards. Examples include the use of warning systems, dynamic message boards and other intelligent transportation system communications, webpages, news, print, and social media, and public forums/ displays to provide awareness and emergency information. Lessons learned from previous disasters and incidents have shown that a well-informed public plays a significant role in the development and implementation of disaster prevention/ mitigation goals and activities. Ongoing awareness programs and activities can result in private individuals, organizations, agencies, and other stakeholders taking actions that reduce the potential impact from hazard events.

Infrastructure and Construction

Infrastructure and construction projects are physical and/or structural improvements made to increase the resiliency of critical transportation assets in the face of natural and human-caused hazards. This also includes projects that involve construction of manmade structures to reduce the impact of hazards on critical transportation infrastructure. Infrastructure and construction projects can be undertaken by State or local agencies, not-for-profit organizations (i.e. wildlife or property conservation group), and private property owners. Often times these infrastructure and construction projects are identified in Transportation Improvement Programs (TIP) and Capital Improvement Programs (CIP).

Natural and Land Resource Protection

Natural resource protection involves improvements made to natural or agricultural lands, rather than to actual transportation infrastructure, that aid in making nearby critical transportation infrastructure more resilient to the potential impacts of natural hazards. These improvements are typically undertaken on private property and in coordination with private land owners, although can be undertaken on publically owned land in coordination with State and/or local agencies or not-for-profit groups.

Operations and Maintenance

Involve the routine operations and maintenance activities that can be undertaken by State and local agencies to prevent or minimize the impact hazard events have on the critical transportation system. These activities don't involve large scale construction projects but are rather focused on the activities that should be undertaken as part of the day-to-day or annual maintenance of critical transportation assets.

Not mentioned as part of the mitigation efforts in this study are response and recovery efforts. Response and recovery efforts are focused on what activities take place during and after a hazard event and are part of a municipality or agency Emergency Response Plan. This study is focused on identifying those mitigation strategies that can be implemented to prevent or minimize the potential impacts that natural or human-caused hazards may have on critical transportation infrastructure.

Hazard Mitigation Strategy Toolbox

This section provides a toolkit for agencies to use when identifying mitigation strategies for reducing hazard impacts and enhancing transportation asset resiliency. Since a number of mitigation strategies can be applied to multiple hazard types, the toolbox is built around Hazard Mitigation Categories. The toolbox includes a column with an identifier as to what hazards the mitigation strategy can be applied to, based upon the hazards identified in Chapter 3 as being the most likely to impact the Genesee-Finger Lakes Region. This allows the user to identify the possible range of mitigation for a type of hazard.

This toolbox identifies a broad range of options that can be employed to prevent or minimize the impacts of natural and human-caused hazards on transportation assets. Agencies should use this toolbox to identify the strategies that can be applied to their situation and develop a more customized mitigation strategy to implement. The following section provides specific mitigation measures that can be applied to those assets ranked “high” as a result of the vulnerability assessment.

PLANNING AND POLICY HAZARD MITIGATION STRATEGIES

<p>P&P-1 Inter-Agency Coordination</p> <p><i>All Hazards</i></p>	<p>Inter-agency coordination and the sharing of resources and ideas before disaster strikes provides for a more expeditious and coordinated response and recovery. Thus, hazard mitigation, adaptation, and recovery are most effective with inter-agency cooperation. Cooperation between local units of government, regional, state and federal agencies, and the private and nonprofit sectors is needed to best serve the public and to foster resiliency to all hazards.</p> <ul style="list-style-type: none"> • Facilitate inter-agency coordination throughout the Genesee-Finger Lakes Region and include involved State agencies. • Review current inter-governmental mutual aid agreements and identify potential enhancements to support inter-municipal sharing of capabilities, resources, and special assets, especially during states of emergencies. • Publicize the signed New York State Thruway detour routes; improve inter-municipal coordination to ensure identification and functionality of detour routes when in use. • Strengthen coordination between Homeland Security officials, State and local law enforcement officials, and local Emergency Management officials regarding the management of critical transportation assets prior to, during, and after a hazard event. <p><i>Responsible Agencies: NYSOEM, NYSDOT, NYSTA, GTC</i></p>
<p>P&P-2 Plan Maintenance</p> <p><i>All Hazards</i></p>	<ul style="list-style-type: none"> • Maintain the current plan by seeking additional funding for municipalities to conduct more localized vulnerability assessments, as needed. • Establish criteria for which transportation infrastructure identified in this study as being highly or moderately highly vulnerable to hazard impacts can receive funding for the implementation of mitigation strategies. • Work with appropriate agencies to maintain an updated and accurate mapping and assessment of hazards throughout the Genesee-Finger Lakes Region. <p><i>Responsible Agencies: GTC, NYSDOT, NYSTA</i></p>

<p>P&P-3 Identify Resources for Additional Guidance and Funding Opportunities</p> <p><i>All Hazards</i></p>	<ul style="list-style-type: none"> • Work with GTC members agencies/ municipalities to identify additional resources and documents to assist with mitigation efforts (see Section 4.4 for a sampling of additional resource guidance). • Work with GTC member agencies/ municipalities to identify funding opportunities for mitigation strategies (see Section 4.5 for a sampling of funding sources). <p><i>Responsible Agencies: GTC, NYSDOT</i></p>
<p>P&P-4 Establish Policies to Promote Resilient Critical Transportation Infrastructure</p> <p><i>All Hazards</i></p>	<ul style="list-style-type: none"> • Establish policies that limit public expenditures on capital improvements in known high hazard vulnerability areas without consideration as to how those expenditures will reduce hazard impacts. <p><i>Responsible Agencies: GTC, NYSDOT, NYSTA, Counties</i></p>
<p>P&P-5 Implement Recommendations of the Intelligent Transportation Systems (ITS) Strategic Plan for Greater Rochester.</p> <p><i>All Hazards</i></p>	<p>The ITS Strategic Plan outlines numerous strategies that should be recommended including the ITS Deployment Plan, Group 1 – Focus on Critical Operations Target Areas and Group 2 – Focus on Corridor of Regional Operations Significance.</p> <ul style="list-style-type: none"> • The ITS Strategic Plan would assist in communicating information of hazard events along with closures and detours to the public. • The ITS Strategic Plan also outlines numerous strategies that would help officials identify incidents and potentially hazardous conditions. • The ITS Strategic Plan would assist in emergency preparedness and response. <p><i>Responsible Agencies: GTC, NYSDOT, NYSTA, Monroe County DOT</i></p>

<p>P&P-6 GPS Tracking</p> <p><i>All Hazards</i></p>	<ul style="list-style-type: none"> Utilize universal GPS or phone tracking to allow for tracking of vehicles that come from other municipalities or agencies for mutual aid for purposes of tracking reimbursement, overtime, etc. <p><i>Responsible Agencies: NYSDOT, County and local jurisdictions</i></p>
<p>P&P-7 Amend Local Plans</p> <p><i>All Hazards</i></p>	<ul style="list-style-type: none"> Consider amending local Emergency Disaster Preparedness Plans or Emergency Response Plans to allow emergency first responders, businesses that provide emergency services, or other authorized individuals to use municipal fuel pumps and other essential services under states of emergency conditions. <p><i>Responsible Agencies: GTC, G/FLRPC, County and local jurisdictions</i></p>
<p>P&P-8 Incorporate Flood Mitigation in Local Planning</p> <p><i>Flooding</i></p>	<p>Comprehensive planning, codes and ordinances, and floodplain management can mitigate flooding by regulating development and disturbance in floodplains and flood prone areas.</p> <ul style="list-style-type: none"> Obtain necessary easements of privately-owned land for temporary stormwater water retention and drainage ways. Adopt and enforce ordinances that protect stormwater retention areas and drainage ways, whether located on public property or private property. Adopt and enforce ordinances that protect floodplain areas through regulations on development, the amount of impervious surface permitted, and land and vegetation disturbance. Develop stream and river buffer ordinances to protect important and flood prone water resources. All Counties and municipalities should follow the New York State guidelines and standards in developing erosion and sediment control practices. <p><i>Responsible Agencies: G/FLRPC, local jurisdictions</i></p>

<p>P&P-9 Adopt and Enforce Flood Resistant Building Codes and Development Standards</p> <p><i>Flooding</i></p>	<p>The use of building codes and development standards can help ensure transportation facilities are able to withstand flooding.</p> <ul style="list-style-type: none"> • Municipalities should adopt ASCE 24-05 <i>Flood Resistant Design and Construction</i> for use in the construction of critical facilities. ASCE 24 is a referenced standard in the International Building Code (IBC) that specifies minimum requirements and expected performance for the design and construction of buildings and structures in the flood hazard areas to make them more resistant to flood loads and flood damage. <p><i>Responsible Agencies: NYSDOS, local jurisdictions</i></p>
<p>P&P-10 Promote Use of Wind Resistant Building Materials</p> <p><i>Severe Storms • High Winds • Tornado</i></p>	<ul style="list-style-type: none"> • Promote the selection of building materials for critical transportation facilities using guidance from ICC-600 <i>Standard for Residential Construction in High-Wind Regions</i>. • Promote the retrofit of critical transportation facilities with structural bracing, shutters, laminated glass in window panes, and wind and hail-resistant roof coverings or flashing in building design to minimize damage. <p><i>Responsible Agencies: NYSDOS, County and local jurisdictions</i></p>
<p>P&P-11 Seismic Retrofit</p> <p><i>Earthquake</i></p>	<ul style="list-style-type: none"> • Promote bridge rehabilitation projects that include seismic evaluation of existing structures and seismic corrective actions. • Develop post-seismic inspection guidelines for transportation infrastructure to better mitigate damages and loss during earthquakes. <p><i>Responsible Agencies: NYSDOT, NYSTA, County Highway Departments</i></p>

P&P-12 Additional Studies

All Hazards

Additional studies that can be considered include:

- Advocate for watershed-wide plans that cross jurisdictional lines and promote inter-agency cooperation.
- Conduct scour studies on critical bridges to determine prioritization of the most critical bridges for repairs to be scheduled.
- Conduct downstream study of potential hazards resulting from failure of high hazard dams (goes beyond transportation impacts).
- Identify and map former mining areas or geologically unstable terrain so that development and infrastructure construction can be regulated or prevented.
- Support NYSDOT's program to assess a bridge's vulnerability to various modes of structural failure (scour, overloads, steel detail deficiencies, collision, concrete detail deficiencies, and earthquakes).

Responsible Agencies: GTC, G/FLRPC, NYSDOT, NYSTA, NYSOEM, NYSDOS, County and local jurisdictions

COMMUNICATION, EDUCATION & AWARENESS HAZARD MITIGATION STRATEGIES

<p>CE&A-1 Public Education and Awareness</p> <p><i>All Hazards</i></p>	<p>Develop school curricula and public outreach programs and materials to:</p> <ul style="list-style-type: none"> • Educate the public about the potential impacts of multi-hazard events. • Ensure the public is aware of protocols during hazard events, detour and evacuation procedures, and shelter locations. • Ensure the public is made aware of detour routes in the event of road or bridge closures. • Make the public aware of what they can do to help mitigate the impacts of potential hazard events. • Monitor forecasts for severe weather and issue speed and travel restrictions on roadways that are historically impacted by various hazards. • Set up mobile informational systems to warn the traveling public of emergency situations. <p><i>Responsible Agencies: County Emergency Management Officers, NYSDOT, NYSTA</i></p>
<p>CE&A-2 Improve Flood Risk Assessment</p> <p><i>Flooding</i></p>	<p>Heighten awareness of flood risk to municipal officials and the public.</p> <ul style="list-style-type: none"> • Encourage FEMA to update Flood Insurance Rate Maps (FIRM) for all 9 counties in the Genesee-Finger Lakes Region to reflect current conditions, and ensure mapping is available for public viewing on websites. • Municipal officials should consider participating in the Community Rating System (CRS), a program that rewards communities for performing extra floodplain activities beyond the minimum required of the National Flood Insurance Program. • Expand flood warning systems to waterways that frequently flood or contain dams to warn officials and communities of oncoming flood waters. • Incorporate the procedures for tracking high water marks following a flood into emergency response planning. <p><i>Responsible Agencies: US Army Corps of Engineers, FEMA, NYSOEM, NYSDEC, County Emergency Management Officers</i></p>

CE&A-3 Educate Property Owners about Hazard Mitigation Techniques

Flooding • Severe Storms • Winter Storms • High Wind • Erosion/Landslide

Educate property owners on techniques they can employ on their property to mitigate the potential impacts of hazard events, not only to their property, but to the community.

- Educate the public about securing debris, propane tanks, yard items, or stored objects that may otherwise be swept away in a flood or blown away in a storm.
- Asking residents to help keep storm drains and drainage ways clear of debris.
- Encourage farmers to implement soil and water conservation practices, such as:
 - Practicing contour farming by farming along elevation contour lines to slow water runoff during rainstorms and prevent soil erosion and sediment buildup along roadways.
 - Planting “cover crops” such as oats, wheat, and buckwheat to prevent soil erosion.
 - Constructing windbreaks (built from natural vegetation or manmade structures) to prevent blowing snow and high wind impacts onto adjacent roadways.

Responsible Agencies: G/FLRPC, NYSDEC, NYS Department of Agriculture & Markets, County Soil & Water Conservation Districts

CE&A-4 Hazmat Routes

Hazmat in Transit

- Ensure the public is aware of truck and hazardous material transport routes.
- Ensure drivers of hazmat materials can easily obtain information on hazmat transport routing as well as any travel restrictions due to severe weather or other hazard events.

Responsible Agencies: GTC, NYSDOT, NYSTA, County Emergency Management Officers, NYS Police

INFRASTRUCTURE AND CONSTRUCTION HAZARD MITIGATION STRATEGIES

<p>I&C-1 Implement Low Impact and Green Infrastructure Best Practices to Minimize Flooding</p> <p><i>Flooding • Landslide/ Erosion</i></p>	<p>The use of low impact and green infrastructure best practices can minimize the impact of flooding in flood prone areas.</p> <ul style="list-style-type: none"> • Implement green infrastructure to reduce peak stormwater runoff, especially in flood prone areas (permeable pavement, rain gardens, bioswales). • Use of porous/ permeable pavement and surfaces to reduce runoff and increase groundwater recharge. Parking areas (especially overflow and equipment parking areas), pedestrian ways, and road shoulders are the most popular surfaces to use porous/ permeable pavement. <p><i>Responsible Agencies: NYSDEC, NYSDOT County and local jurisdictions</i></p>
<p>I&C-2 Relocate Transportation Facilities and Facilities Essential to Emergency Response</p> <p><i>Flooding</i></p>	<ul style="list-style-type: none"> • Relocate transportation facilities and facilities essential to emergency response (such as highway garages, Emergency Management Office [EOC], Traffic Operations Centers, police and fire stations, etc.) out of floodplains and areas prone to destructive hazards. • Require all critical facilities to meet requirements of Federal Executive Order 11988 and be built at least 1 foot above the 500-year flood elevation. <p><i>Responsible Agencies: NYSOEM, NYSDOT, NYSTA, NYS Police, County Emergency Management Officers, County and local highway, police, and fire departments</i></p>

<p>I&C-3 Relocate Communication, Electronic, and Mechanical Equipment</p> <p><i>Flooding</i></p>	<ul style="list-style-type: none"> Relocate essential communication, electronic, and mechanical equipment above historic high water mark (or mapped base flood elevation, whichever is higher). <p><i>Responsible Agencies: NYSOEM, NYSDOT, NYSTA, NYS Police, County Emergency Management Officers, County and local highway, police, and fire departments</i></p>
<p>I&C-4 Floodproof Transportation Facilities and Facilities Essential to Emergency Response</p> <p><i>Flooding</i></p>	<p>Where transportation facilities and facilities essential to emergency response (such as highway garages, Emergency Management Office [EOC], Traffic Operations Centers, police and fire stations, etc.) cannot be relocated from floodplains, floodproofing techniques can protect structures from flood damage.</p> <ul style="list-style-type: none"> Wet floodproofing a structure allows for controlled flooding of areas not critical in order to balance exterior and interior wall forces and discourage structural collapse. Dry floodproofing non-residential structures so that floodwater does not enter by constructing exterior floodwalls or earthen berms, strengthening walls, sealing openings, or using waterproof compounds or plastic sheeting on walls to keep water out. Provide anchors and tie-downs for fuel tanks and other buoyant facilities, such as mobile offices, storage buildings, and other equipment to keep them from being washed away during flood events. <p><i>Responsible Agencies: NYSOEM, NYSDOT, NYSTA, NYS Police, County Emergency Management Officers, County and local highway, police, and fire departments</i></p>

I&C-5 Improving Stormwater Drainage System Capacity

Flooding

Stormwater drainage systems can be impacted and fail due to high velocity flows and high volume flows due to adjacent runoff areas, causing water to overtop roadways and bridges or cause structural damage to drainage ways and structures. Structural construction projects that provide additional stormwater capacity include:

- Increase the capacity of roadside ditches by increasing depth and/or width.
- Increase culvert size to allow for the passage of a greater volume of water.
- Installation of V-shaped riprap check dams in roadside ditches to slow down the velocity of water.
- If the velocity of water cannot be reduced, then high velocity flows can be mitigated by placing stone/riprap protection along ditch banks and at entrances and exits to culvert pipes.
- Installation of multiple culverts at an existing single culvert crossing site at either the same or at differing elevations provides overflow capacity to handle high volume water flows
- Installation of cross culverts to connect ditches on each side of the road (since often times a ditch on one side of the road receives more water flow than the other side of the road); the cross culverts balance this flow and should be spatially distributed around areas of high volume flows. This avoids high water flows overtopping roadways.
- Construct an endwall, wingwalls, and/or flared end section at culvert openings to direct water flow into and out of the culvert and protect embankment slopes.
- Install flow diverters (barbs) in the stream to redirect water flow to a preferred location. Design barbs to redirect the flow away from the embankment and into the culvert.

Responsible Agencies: NYSDOT, NYSDEC, County and local highway departments

I&C-6 Improving Stormwater Drainage System Functionality

Flooding

Stormwater drainage systems can also be impacted and fail due to collection of debris and erosion of soils with high erosive potential due to high volume and high velocity water flows. Debris and sediment impacts can be mitigated by:

- Installation of bar gates or trash racks at culvert openings to keep debris from entering the culvert. Enlarging the culvert entrance where the bar gate or trash rack is installed allows more area for water to flow through to offset the area blocked by debris.
- Use bioengineered bank stabilization techniques such as deep rooting vegetation, live stakes, geotextile fabric, riprap, or vegetative walls.
- Install debris deflectors around culverts to prevent debris buildup around culvert openings.
- Alter the angle of an embankment slope through shoulder rounding and slope reduction to reduce erosion. Reducing the angle of slope generally reduces the velocity of the water running across it.
- Shape (bevel/skew) culvert entrances to match the embankment slope or stream alignment. Culvert efficiency will be increased, and turbulence at the entrance and through the culvert will be decreased, reducing erosion of the bank.
- Install Energy Dissipation Measures – Erosion and scour at the discharge of culverts can be mitigated by the energy dissipation. Three general types of energy dissipation measures are:
 - Aprons at culvert discharges to reduce turbulent flow that can scour the toe of the embankment or undermine the culvert. Aprons can be made of non-corrosive metal or reinforced concrete.
 - Baffle structures can be used to relocate the zone of high velocity discharge downstream to a location that does not pose a risk to the embankment.
 - Increase tailwater depth by excavating a discharge pool or stilling basin to control turbulent flow at the culvert discharge.

Responsible Agencies: NYSDOT, NYSDEC, County and local highway departments

<p>I&C-7 Protect Critical Transportation Infrastructure from Flooding</p> <p><i>Flooding</i></p>	<ul style="list-style-type: none"> • Elevate critical roadways and bridges above base flood elevation to maintain dry access. In areas where bridges have been elevated but approaches still become inundated with flood waters, earthen berms, revetments, or retaining walls can be installed to keep bridge approaches dry. • Install bridge entrance and outlet wingwalls. Design wingwalls to redirect the flow into the bridge opening and eliminate erosion under the bridge piers, abutments, and embankment. Use flared wingwalls angled to coincide with the stream. • Install "V" shaped flow deflectors on or immediately upstream from the upstream sections of bridge piers and abutments to reduce flow velocities and protect footings from scouring. <p><i>Responsible Agencies: NYSDOT, NYSTA, NYSDEC, County and local highway departments</i></p>
<p>I&C-8 Protect Roadways from Impacts of Flooding</p> <p><i>Flooding</i></p>	<p>Roadway surface and shoulder damage caused by flooding can be mitigated by:</p> <ul style="list-style-type: none"> • Construction of shoulder protection – Protection of the structural integrity of roadway shoulders can reduce the amount of water that can enter the roadway subgrade, thereby reducing damage to the roadway. Structural protection can be added to dirt shoulders by adding a layer of clean gravel or crushed stone. • Improving shoulder drainage – Installing shoulder subsurface perforated drains placed near the bottom of a gravel-filled, geotextile-lined ditch. The pipes are directed to catch basins at designed collection and discharge locations. • Improving subgrade using geotextile drainage systems – Roadway strength and durability can be significantly improved using geotextile drainage blankets between the pavement section and subbase. The drainage blankets are especially effective in removing water from the pavement section before it substantially weakens the subgrade. <p><i>Responsible Agencies: NYSDOT, NYSTA, NYSDEC, County and local highway departments</i></p>

<p>I&C-9 Roof Pitch of Critical Transportation Facilities</p> <p><i>Severe Storms • Winter Storms</i></p>	<ul style="list-style-type: none"> • Construct or retrofit critical transportation facilities to avoid the use of flat or low pitch roofs, especially in areas prone to lake effect snow. <p><i>Responsible Agencies: NYSOEM, NYSDOT, NYSTA, NYS Police, County Emergency Management Officers, County and local highway, police, and fire departments</i></p>
<p>I&C-10 Construct Windbreaks Along Critical Roadways</p> <p><i>Winter Storms • High Winds</i></p>	<ul style="list-style-type: none"> • Construct windbreaks along critical roadways, in the form of fences or “living windbreaks” which can include rows of trees or other vegetation to limit blowing and drifting snow on roadways. <p><i>Responsible Agencies: NYSDOT, NYSTA, County and local highway departments</i></p>
<p>I&C-11 Retrofit Traffic Lights</p> <p><i>Severe Storms • High Winds</i></p>	<ul style="list-style-type: none"> • Retrofit existing traffic lights to withstand high winds. • Convert traffic lights to mast arms where possible. <p><i>Responsible Agencies: NYSDOT, MCDOT</i></p>
<p>I&C-12 Structural Resistance to Land Subsidence</p> <p><i>Land Subsidence</i></p>	<ul style="list-style-type: none"> • Promote the use of structural design in critical transportation infrastructure that can resist loading associated with land subsidence. • Filling or buttressing of subterranean mines or cavernous areas to prevent or alleviate the potential for collapse. <p><i>Responsible Agencies: NYSDOT, NYSTA, NYSDEC, County and local highway departments</i></p>

<p>I&C-13 Slope Stabilization</p> <p><i>Flooding • Landslide/ Erosion</i></p>	<ul style="list-style-type: none"> • Prevent erosion with proper bank stabilization, sloping or grading techniques, planting vegetation on slopes, terracing hillsides, or installing riprap boulders or geotextile fabric. • Use a hybrid of hard/soft engineering techniques (i.e., combine low-profile rock, riprap, or wood structures with vegetative planting or other soft stabilization techniques). • Install catch-fall nets for prone landslide areas and at steep slopes near roadways. <p><i>Responsible Agencies: NYSDOT, NYSTA, NYSDEC, County and local highway departments</i></p>
<p>I&C-14 Seismic Retrofit</p> <p><i>Earthquake</i></p>	<ul style="list-style-type: none"> • Strengthen and retrofit non-reinforced masonry transportation facility buildings and non-ductile concrete facilities that are vulnerable to ground shaking. <p><i>Responsible Agencies: NYSOEM, NYSDOT, NYSTA, NYS Police, County Emergency Management Officers, County and local highway, police, and fire departments</i></p>
<p>I&C-15 Improve Tolerance to Extreme Temperatures</p> <p><i>Extreme Temperatures</i></p>	<ul style="list-style-type: none"> • Reduce fleet-washing activities during drought conditions. • Encourage drought-tolerant landscape design, especially in areas where landscaping is designed to support slopes or provide stormwater management. • Increase tree plantings around buildings to shade parking lots and along public rights-of-way to shade roadways. Trees and vegetation can aid in winter to act as windbreakers to prevent blowing snow from open fields impacting roadways. • Encourage installation of green roofs, which remove heat from the roof surface and surrounding air and also provide stormwater management. <p><i>Responsible Agencies: NYSDOT, NYSTA, NYSDEC, County and local jurisdictions</i></p>

I&C-16 Eliminate or Minimize Impediments to Safe Travel

Traffic Accidents • Hazmat in Transit

- Identify high accident locations that should be considered for safety improvements.
- Retrofit height and/or weight restricted bridges/underpasses.
- Undertake general infrastructure, signage, traffic control, and lighting upgrades to NY State Route 63 specifically aimed at reducing the number of accidents involving Hazmat trucks.

Responsible Agencies: GTC, NYSDOT, NYSTA, County and local highway departments

I&C-17 Increase Use of Crime Prevention Through Environmental Design (CPTED)

Sabotage/ Terrorism

Increase the use of Crime Prevention Through Environmental Design (CPTED) approaches for facilities that may have a high threat risk. The idea behind CPTED is to prevent crime by designing a physical environment that positively influences human behavior. The theory is based on four principles:

- Natural Surveillance – "See and be seen" is the overall goal when it comes to CPTED and natural surveillance. A person is less likely to commit a crime if they think someone will see them do it. Lighting and landscape play an important role in Crime Prevention Through Environmental Design. This can be applied around critical facilities and bridges.
- Natural Access Control – CPTED utilizes the use of walkways, fences, lighting, signage, and landscape to clearly guide people and vehicles to and from the proper entrances. The goal with this CPTED principle is not necessarily to keep intruders out, but to direct the flow of people while decreasing the opportunity for crime. This can be applied around critical facilities.
- Territorial Reinforcement – Creating or extending a "sphere of influence" by utilizing physical designs such as pavement treatments, landscaping, and signage that enable users of an area to develop a sense of proprietorship over it is the goal of this CPTED principle. Potential trespassers perceive this

	<p>control and are thereby discouraged. This can be applied to critical facilities, bridges, and roadways.</p> <ul style="list-style-type: none"> • Maintenance – CPTED and the "Broken Window Theory" suggests that one "broken window" or nuisance, if allowed to exist, will lead to others and ultimately to the decline of an entire neighborhood. Neglected and poorly maintained properties are breeding grounds for criminal activity. While this may not apply directly to critical transportation assets, it can be said that if people discover crumbling transportation infrastructure, their perception of an area or that area's ability to care for transportation assets may be diminished. <p><i>Responsible Agencies: NYSOEM, NYS Police, County Emergency Management Officers, County Sheriffs, local police</i></p>
<p>I&C-18 Protection of Critical Transportation Infrastructure from Sabotage and/or Terrorism</p> <p><i>Sabotage/ Terrorism</i></p>	<ul style="list-style-type: none"> • Use of bollards, barriers, and/or fencing to protect and secure critical transportation facilities. • Develop a fully-functional backup Emergency Operations Center (EOC) at an off-site location from the Main EOC. • Implement CCTV camera system monitoring of critical transportation assets. <p><i>Responsible Agencies: NYSOEM, NYSDOT, NYSTA, NYS Police, County Emergency Management Officers, County Sheriffs, local police</i></p>

NATURAL AND LAND RESOURCE PROTECTION HAZARD MITIGATION STRATEGIES

<p>N&LP-1 Protect and Restore Natural Flood Mitigation Features</p> <p><i>Flooding</i></p>	<p>Natural resources provide floodplain protection, riparian buffers, and other ecosystem services that mitigate flooding. It is important to preserve such functionality with the following:</p> <ul style="list-style-type: none"> • When designing transportation infrastructure projects, protect, enhance, and integrate landforms that serve as natural mitigation features (i.e., riverbanks, wetlands, dunes, etc.). • Protecting and preserving wetlands to help prevent flooding in other areas. Wetlands act as natural overflow and spill fields for controlling high water volumes. • Establishing and managing riparian buffers along rivers and streams and natural vegetative beds in stormwater channels. <p><i>Responsible Agencies: NYSDEC, County jurisdictions</i></p>
<p>N&LP-2 Create and Preserve Floodplain, Open Space, Wetland, or Spill Areas</p> <p><i>Flooding</i></p>	<p>Identify and preserve lands that lie within floodplain areas so that they are able to function as flood relief and mitigation.</p> <ul style="list-style-type: none"> • Partner with local governments and other pertinent agencies to develop a land banking program for the preservation of the natural and beneficial functions of flood hazard areas. • Purchasing land or permanent easements to expand floodplain areas (create spill areas) in areas of little to no development to act as flood water retention to lessen the impact of flooding downstream in more developed areas. • Create additional wetlands or expand wetland areas in flood prone areas to act as designated spill fields for flooding, thereby reducing the impact of downstream flooding. <p><i>Responsible Agencies: NYSDOT, NYSTA, NYSDEC, County and local jurisdictions</i></p>

N&LP-3 Create and Preserve Natural Windbreaks

Winter Storms • High Winds

- Construct windbreaks along critical roadways using “living windbreaks” which can include rows of trees or other vegetation to limit blowing and drifting snow on roadways.

Responsible Agencies: NYSDEC, NYSDOT, NYSTA, County and local highway departments

OPERATIONS AND MAINTENANCE HAZARD MITIGATION STRATEGIES

<p>O&M-1 Routine Maintenance for Drainage Systems and Flood Control Structures</p> <p><i>Flooding</i></p>	<p>Routine maintenance of drainage systems and flood control structures can improve the efficiency and life of such facilities.</p> <ul style="list-style-type: none"> • Identify culverts that are undersized and/or inadequate/ failing to develop a prioritized list of culvert replacement projects for inclusion in an agency's Capital Improvement Program. • Conduct regular testing and maintenance of Emergency Response Systems, communication systems, and backup generators. <p><i>Responsible Agencies: NYSOEM, NYSDOT, NYSTA, NYS Police, County Emergency Management Officers, County Sheriffs, County and local highway departments, local police and fire departments</i></p>
<p>O&M-2 Debris Maintenance</p> <p><i>Flooding • Severe Storms • Winter Storms • High Winds</i></p>	<p>Debris clogging drainage ways, culverts, catch basins, and other waterways is a major cause of flooding. Debris control can help prevent or mitigation flooding impacts.</p> <ul style="list-style-type: none"> • Routine removal of dead trees, tree branches, and other dead vegetation. • Perform vegetation management, including pruning and thinning of trees, to minimize the damage that can be caused by downed tree limbs. • Conduct routine maintenance and cleaning of drainage ways, culverts, and catch basins; this is especially the case for roadway underpasses and along I-490 where flooding due to debris clogged catch basis was identified, as well as for roads that flood due to debris build-up in culverts. <p><i>Responsible Agencies: NYSDEC, NYSDOT, NYSTA, County and local highway departments</i></p>

Strategies Applicable to High Priority Locations

The following commentary offers further discussion into strategies that can be applied to those critical transportation assets that have been identified as being highly vulnerable in order to make them more resilient to natural and/or human-caused disasters.

New York State Thruway (Various locations along the entire segment; Labels: R1, R2, R3, R4, R5, R6, R11, R14, R15)

Issues: The New York State Thruway (I-90) is a critical transportation corridor that extends along an east-west axis across the region. It is an essential route for personal travel, regional and national freight movement, and emergency preparedness and response. The Thruway has a high exposure to snow storms, vehicle crashes, and hazardous materials spills, and certain specific locations are exposed to flooding, mainly due to the result of poor drainage following heavy downpours. However, the Thruway is not included on this list due to a history of hazard incidents; but rather, it is ranked as highly vulnerable due to the severe deleterious impacts a long-term closure of this road would have on the region.

Impact of Closure: As a critical transportation route any long-term closure of the Thruway would severely hamper personal and freight movements to, from, and within the region, as well as impact the distribution of relief equipment and supplies in the event of a major hazard event. In addition, the Thruway's limited number of interchanges means that a closure of any section of the Thruway requires a substantial detour to get to the next interchange. Rerouting high volumes of traffic, including large trucks, to the surface transportation network brings heavy traffic through locations not accustomed or prepared to effectively manage it.

Mitigation Strategies:

- Implement Emergency Management and Communications-themed recommendations of the ITS Strategic Plan for Greater Rochester. The ITS Strategic Plan would assist in communicating information of hazard events along with closures and detour routes.
- Ensure drivers of hazmat materials can easily obtain information on hazmat transport routing as well as any travel restrictions due to severe weather or other hazard events.
- Improving shoulder drainage in poor drainage areas can be accomplished by installing shoulder subsurface perforated drains placed near the bottom of a gravel-filled, geotextile-lined ditch.
- Shoulder and roadway strength and durability can be significantly improved using geotextile drainage blankets between the pavement section and subbase. The

drainage blankets are especially effective in removing water from the pavement section before it substantially weakens the subgrade.

- Construct “living windbreaks”, which can include rows of trees or other vegetation, within the right-of-way along sections of the Thruway exposed to open fields to limit blowing and drifting snow on roadways.
- Conduct routine maintenance and cleaning of drainage ways, culverts, and catch basins; this is especially the case for roadway underpasses and along I-490 where flooding due to debris clogged catch basis was identified.
- Conduct scour studies on critical bridges to determine prioritization of the most critical bridges for repairs to be scheduled.

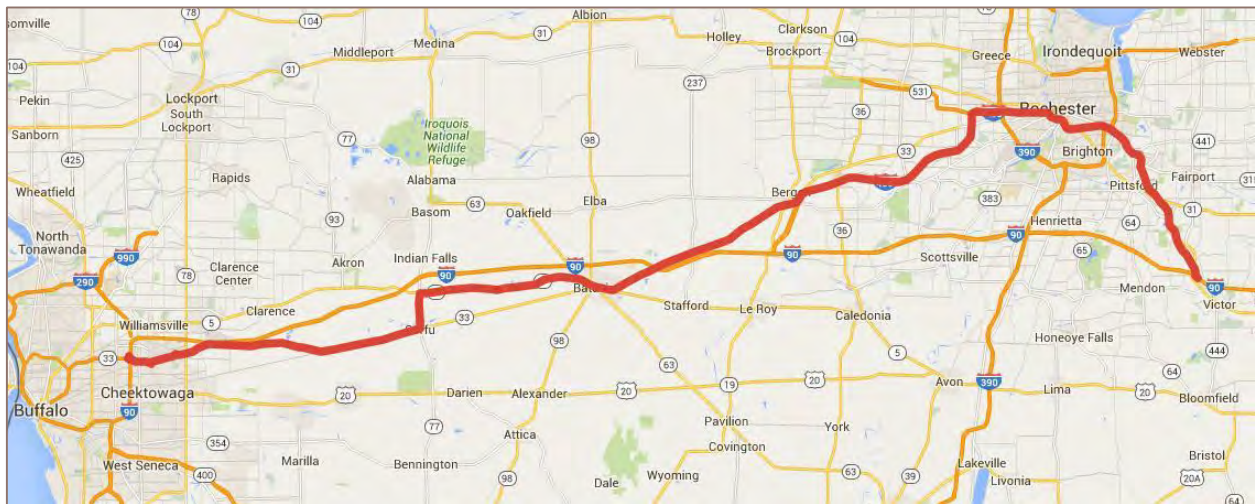
The New York State Thruway Authority has recently established a lettered Emergency Detour System in order to let motorists know how to get around Thruway closures and subsequently back onto the Thruway in the event of Thruway closures due to weather or emergencies. In the Genesee-Finger Lakes Region, detours “E” and “F” has been established and signage has gone up to indicate such detour routes. When a detour goes into effect, flashing signs on the Thruway will indicate which detour route travelers should use.

Detour Route “E” diverts westbound travelers from the Thruway at Exit 45 and follows I-490 across Rochester to NYS Route 33 west in Bergen, Genesee County, along NYS Route 33 to Route 5 west, through the City of Batavia to NYS Route 77 south, to NYS Route 33 west, and continuing on NYS Route 33 into Erie County, following the Kensington Expressway, and tying back to the Thruway at Exit 51. Detour Route “F” is the same route, but in reverse order for eastbound travelers. Figure 6 portrays Detour “E” and “F”.



Ongoing coordination with local authorities should be undertaken to ensure identification and functionality of detour routes when in use.

Figure 6: New York State Thruway Detour "E" and "F"



Map courtesy of New York State Thruway Authority

NY State Route 31 (Vienna Street [Newark] to Leach Road [Lyons]; Label: R7)

Issues: This segment of NYS Route 31 in Wayne County provides access to the NYSDOT Facility in Newark, Wayne County Highway Garage, RTS Wayne facility, Wayne County Emergency Management Office, and NYS Police in Lyons. Portions of this roadway lie within the floodplain and are exposed to flooding in extreme events, limiting travel along the roadway and in extreme cases, causing temporary closure.

Impact of closure: This stretch of roadway, between Newark and Lyons, has very few alternative access points, thus any closure of the roadway or limitation in its use would limit or even restrict access to a number of critical facilities.

Mitigation Strategies:

- Elevate the roadway in flood prone areas above base flood elevation to maintain dry access or construct earthen berms, revetments, or retaining walls to keep low lying areas of roadways from flooding.
- Minimize the chances of roadway flooding by installing bar gates or trash racks at culvert openings to keep debris from entering the culvert, increasing the culvert size to allow for the passage of a greater volume of water or installing multiple culverts at an existing single culvert crossing site at either the same or at differing elevations provides overflow capacity to handle high volume water flows.
- Purchase land or permanent easements adjacent to NYS Route 31 to expand floodplain areas (create spill areas) in areas of little to no development to act as flood water retention to lessen the impact of flooding on the roadway.

I-390 (Exit 7 to Exit 6 in Livingston County; Label: R8)

Issues: This segment of I-390 spans an area prone to poor drainage and flooding. Although flooding has not resulted in closure of I-390, the roadway does lie within a floodplain that is prone to annual flooding.

Impact of closure: If flooding forced closure of I-390, traffic would be diverted to surface roads that are exposed to the same flooding, and are likely inundated if I-390 is impacted.

Mitigation Strategies:

- Elevate the roadway in flood prone areas above base flood elevation to maintain dry access or construct earthen berms, revetments, or retaining walls to keep low lying areas of roadways from flooding.
- Increase the capacity of roadside ditches by increasing depth and/or width.
- Increase culvert size to allow for the passage of a greater volume of water.
- Installation of multiple culverts at an existing single culvert crossing site at either the same or at differing elevations provides overflow capacity to handle high volume water flows.
- Installation of cross culverts to connect ditches on each side of the road (since often times a ditch on one side of the road receives more water flow than the other side of the road); the cross culverts balance this flow and should be spatially distributed around areas of high volume flows. This avoids high water flows overtopping roadways.

I-390 (Exit 16 to Exit 17 in Monroe County; Label: R12)

Issues: This segment of I-390 is a critical transportation link across the Rochester area, providing a vital spanning of the Genesee River.

Impact of closure: There are very few detour options if this segment were to be closed or become impassable; likely necessitating a full detour of I-390.

Mitigation Strategies:

- Establish a signed detour system for I-390. Ongoing coordination with local authorities should be undertaken to ensure identification and functionality of detour routes when in use.
- Implement Emergency Management and Communications-themed recommendations of the ITS Strategic Plan for Greater Rochester. The ITS Strategic

Plan would assist in communicating information of hazard events along with closures and detour routes.

- Conduct scour studies on I-390 bridges over Genesee River.
- Install bridge entrance and outlet wingwalls. Design wingwalls to redirect the flow into the bridge opening and eliminate erosion under the bridge piers, abutments, and embankment. Use flared wingwalls angled to coincide with the river.
- Include a seismic evaluation of existing bridge structures and identify necessary seismic corrective actions.

NYS Route 104 (Irondequoit Bay Bridge and Veteran's Memorial Bridge; Labels: R9, R10)

Issues: These bridges provide critical transportation links across the Rochester area, providing a vital spanning of Irondequoit Bay and the Genesee River. Both bridges are exposed to high winds and can be closed or restricted to high profile vehicles in extreme wind events.

Impact of closure: There are very few detour options if these segments were to be closed or become impassable. Further, there is no way, other than using police vehicles, to close the bridges.

Mitigation Strategies:

- A study of the Irondequoit Bay Outlet Bridge is being conducted and consideration should be given to constructing on/off ramps from the Irondequoit Bay Bridge to and from Sea Breeze Drive. These ramps, which are already partially constructed at the west end of the Irondequoit Bay Bridge, would serve as an alternative route to relieve traffic and/or perform emergency evacuations from the Irondequoit Bay Bridge and offer a detour in the event the bridge is closed. If the study determines that the ramps should not be built, then the existing ramp pavement could be reconfigured for use as an emergency turnaround. A bridge already exists allowing traffic to pass underneath NYS Route 104, and only a small section of pavement would be needed to complete the connection. Such a turnaround could directly be used to turn westbound traffic around to the eastbound side, and with police guidance, a turnaround from eastbound to westbound would also be possible.
- Establish a detour system for NYS Route 104 in the event one or both bridges are closed or become impassable due to weather events.
- Implement Recommendations of the ITS Strategic Plan for Greater Rochester. The ITS Strategic Plan would assist in communicating information of hazard events along with closures and detour routes, as well as vehicle restrictions on bridges.

- Include a seismic evaluation of existing bridge structures and identify necessary seismic corrective actions.

I-490 (east of Downtown Rochester to I-90; Label: R17)

Issues: The underpasses of I-490 along this stretch can become flooded during heavy rain events due to poor drainage and clogged drainage structures.

Impact of closure: NY State Police, Monroe County Sheriffs, and local police and fire authorities have to partially close portions of I-490 (or completely close in extreme events) due to flooding of low lying underpasses. Closure of travel lanes reduced capacity and causes traffic backups; full closure forces vehicle traffic onto surface streets.

Mitigation Strategies:

- Increase the capacity and size of drainageways, storm sewers, and catch basins at underpasses to take on more extreme rain events.
- Installation of multiple catch basins at underpass locations to handle extreme rainfall events and in case nearby catch basins become clogged with debris.
- Conduct routine maintenance and cleaning of catch basins along I-490 where flooding due to debris clogged catch basin was identified.

State Route 390 (Exit 21 to Exit 22; Label R16)

Issues: This stretch of NYS Route 390 can become flooded during heavy rain events due to poor drainage and undersized and clogged drainage structures.

Impact of closure: NY State Police, Monroe County Sheriffs, and local police and fire authorities have to partially close portions of NYS Route 390 (or completely close in extreme events) due to flooding. Closure of travel lanes reduced capacity and causes traffic backups; full closure forces vehicle traffic onto surface streets.

Mitigation Strategies:

- Increase the capacity and size of drainageways and culverts to take on more extreme rain events.
- Install cross culverts to connect ditches and drainageways to better distribute high water volumes.
- Conduct routine maintenance and cleaning of drainageways and culverts.

I-590 (Exit 3 to Exit 4; Label R18)

Issues: This section of I-590 can become flooded during heavy rain events due to poor drainage and clogged drainage structures.

Impact of closure: NY State Police, Monroe County Sheriffs, and local police and fire authorities have to partially close portions of I-590 (or close the road entirely during extreme events) due to flooding. Closure of travel lanes reduced capacity and causes traffic backups; full closure forces vehicle traffic onto surface streets.

Mitigation Strategies:

- Increase the capacity and size of storm sewers and catch basins to accommodate greater volume of runoff during more extreme rain events.
- Installation of multiple catch basins at prone flooding locations to handle extreme rainfall events and in case nearby catch basins become clogged with debris.
- Conduct routine maintenance and cleaning of catch basins.

I-490 over Genesee River (Frederick Douglass-Susan B. Anthony Memorial Bridge; Label: 13)

Issues: This segment of I-490 is a critical transportation link between west Rochester and Downtown/ East Rochester, providing a vital spanning of the Genesee River. The bridge is relatively new and hasn't experienced any events that have impacted or closed the structure.

Impact of closure: There are very few detour options if this segment were to be closed or become impassable. The Inner Loop offers an additional crossing over the Genesee River to Downtown Rochester but no longer directly connects back into I-490 east of Downtown. Therefore, detour routes would send traffic through Downtown streets.

Mitigation Strategies:

- Implement Recommendations of the ITS Strategic Plan for Greater Rochester. The ITS Strategic Plan would assist in communicating information of hazard events along with closures and detour routes.

US 20 over NYS Route 98 (Label: B5)

Issues: This bridge is elevated above the 100-year floodplain, however, bridge approaches on US 20 lie within a floodplain that is prone to annual flooding.

Impact of closure: If flooding forced closure of the bridge there are multiple detour routes, however, secondary roads in the area are exposed to the same flooding, and are likely flooded if the bridge approaches on US 20 are impacted.

Mitigation Strategies:

- Elevate the roadway in flood prone areas above base flood elevation to maintain dry access or construct earthen berms, revetments, or retaining walls to keep low lying areas of roadways from flooding.
- Installation of multiple culverts at an existing single culvert crossing site at either the same or at differing elevations provides overflow capacity to handle high volume water flows.
- Installation of cross culverts to connect ditches on each side of the road (since often times a ditch on one side of the road receives more water flow than the other side of the road); the cross culverts balance this flow and should be spatially distributed around areas of high volume flows. This avoids high water flows overtopping roadways.
- Consider use of porous/ permeable pavement to reduce runoff and increase groundwater recharge, especially along road shoulders.
- Install flow diverters (barbs) in nearby Tonawanda Creek to redirect water flow away from the roadway.
- Purchase land or permanent easements adjacent to this US 20 bridge to expand floodplain areas (create spill areas) in areas of little to no development to act as flood water retention to lessen the impact of flooding on the roadway.

NYS Route 63 bridges in the Oak Orchard Swamp area (Labels: B8, B9; B10; B12)

Issues: These bridges span areas within a floodplain that are prone to annual flooding. During high water events, the water overtops the roadway and bridges.

Impact of closure: If flooding forced closure of the bridge there are multiple detour routes, however, secondary roads in the area are exposed to the same flooding, and are likely flooded if the NYS Route 63 bridges are impacted.

Mitigation Strategies:

- Elevate the roadway in flood prone areas above base flood elevation to maintain dry access or construct earthen berms, revetments, or retaining walls to keep low lying areas of roadways from flooding.
- Installation of cross culverts to connect ditches on each side of the road (since often times a ditch on one side of the road receives more water flow than the other side of the road); the cross culverts balance this flow and should be spatially distributed

around areas of high volume flows. This avoids high water flows overtopping roadways.

- Installation of bar gates or trash racks at culvert openings to keep debris from entering the culvert. Enlarging the culvert entrance where the bar gate or trash rack is installed allows more area for water to flow through to offset the area blocked by debris.
- Consider use of porous/ permeable pavement to reduce runoff and increase groundwater recharge, especially along road shoulders.
- Create additional wetlands or expand wetland areas in flood prone areas to act as spill fields for flooding, thereby reducing the impact of downstream flooding.
- Improving subgrade using geotextile drainage systems – Roadway strength and durability can be significantly improved using geotextile drainage blankets between the pavement section and subbase. The drainage blankets are especially effective in removing water from the pavement section before it substantially weakens the subgrade.

NYSDOT Region 4 Office (Label: F1)

Issues: The NYSDOT Region 4 Office is critical to emergency preparedness and response as well as regional transportation operations. Portions of the facility lie within the floodplain, however, no flooding issues have ever been witnessed at the facility.

Impact of closure: If flooding forced closure of the NYSDOT Region 4 Office, it could impact regional transportation operations and/or emergency preparedness or response; workers might not be able to access the facility and/or critical equipment could be damaged.

Mitigation Strategies:

- Relocate essential communication, electronic, and mechanical equipment above historic high water mark (or mapped base flood elevation, whichever is higher).
- Dry floodproofing of the building so that floodwater does not enter by constructing exterior floodwalls or earthen berms, strengthening walls, sealing openings, or using waterproof compounds or plastic sheeting on walls to keep water out.
- Use of porous/ permeable pavement for parking areas to reduce runoff and increase groundwater recharge.
- Increase the use of Crime Prevention Through Environmental Design (CPTED) approaches.

- Conduct regular testing and maintenance of Emergency Response Systems, communication systems, and backup generators.
- Develop a fully-functional backup NYSDOT Region 4 Office at an off-site location.

Town of Alexander Highway Garage (Label: F2)

Issues: The Town of Alexander Highway Garage has experienced multiple flooding events that have inundated the garage and made it unusable.

Impact of closure: While the Town of Alexander Highway Garage is not deemed highly critical to the regional transportation system, it does provide localized emergency preparedness and response efforts that would not be able to be performed until the facility is repaired.

Mitigation Strategies:

- Relocate the highway garages out of floodplains to an area not prone to flooding, meeting the requirements of Federal Executive Order 11988 that calls for critical facilities be built at least 1 foot above the 500-year flood elevation.
- Wet floodproof the structure to allow for controlled flooding of areas not critical in order to balance exterior and interior wall forces and discourage structural collapse.
- Relocate essential communication, electronic, and mechanical equipment above historic high water mark (or mapped base flood elevation, whichever is higher).

Regional Traffic Operations Center (Label: F3)

Issues: The Regional Traffic Operations Center (RTOC) is the hub of transportation system operations in the Greater Rochester area. It is staffed by NYSDOT, MCDOT, NY State Police, and Monroe County Airport Authority personnel. It is critical to emergency preparedness and response as well as to routine operations such as signal management and monitoring traffic conditions. While the facility has never been damaged by a hazard event, it was once evacuated due to a fire and explosion at a nearby fueling facility.

Impact of closure: During the incident reported above, the RTOC was abruptly evacuated for several hours and personnel could not access the building during that time. As a result, staff could not monitor or operate ITS field instrumentation. While the RTOC reopened without any damage and normal operations quickly resumed, these issues would be magnified in the case of a long-term closure.

Mitigation Strategies:

- Relocate essential communication, electronic, and mechanical equipment above historic high water mark (or mapped base flood elevation, whichever is higher).
- Dry floodproofing the building so that floodwater does not enter by constructing exterior floodwalls or earthen berms, strengthening walls, sealing openings, or using waterproof compounds or plastic sheeting on walls to keep water out.
- Increase the use of Crime Prevention Through Environmental Design (CPTED) approaches.
- Conduct regular testing and maintenance of Emergency Response Systems, communication systems, and backup generators.
- Develop a fully-functional backup Regional Traffic Operations Center at an off-site location.

Mitigation for Typical Hazard Impacts

Throughout the course of this study, stakeholders consistently indicated that flooding and winter storms are the two hazards that most frequently negatively impact critical transportation

infrastructure. To gain a better

understanding of specific

problem areas, interviews

were held with several

county highway

superintendents. This

section offers a discussion of

the most frequently

identified problem areas

along with some mitigation

techniques that can be

employed to prevent or

mitigate future hazard

events. The focus for

mitigation in this section is

on low cost methods that can be

undertaken by in-house forces versus methods that require significant infrastructure improvements and capital investment.



Check dams installed in a roadside swale

Ditch Erosion and Overflow

Ditch erosion and overflow can be caused by a number of different factors including:

- High velocity flow

- Debris causing blockages
- High flow due to large areas of steep closely adjacent runoff areas
- Soils with high erosive potential

A number of roads run parallel with large hills that contribute significant runoff flow as well as associated debris. An example of this is along Italy Valley Road in Yates County. Runoff along a parallel hill results in significant flow volumes in ditches and washes down debris from the slopes. In response, the County has increased culvert pipe sizes and trimmed trees. Another method used was the placement of V-shaped check dams in gullies to slow the flow of water down. Increasing culvert sizes, controlling and managing debris, and installing check dams are all viable mitigations.

If velocity cannot be reduced then high velocity flow can be mitigated by placing stone/riprap protection along banks and at entrances and exits to culvert pipes.

Another method is the installation of cross culverts to connect ditches on each side of the road. Oftentimes one ditch may receive significantly more flow than the ditch on the opposite side of the road. By connecting the ditches together periodically with cross culverts, the side with the more significant flow can be relieved.

Removal of dead trees and other dead vegetation at the source is an effective means of preventing debris from impacting ditch and culvert effectiveness.

However, in many cases the debris that would have to be removed is on private property. Therefore, alternatively the impact of debris can be reduced by installing a bar grate or trash rack. Enlarging the end of the culvert where the grate or rack is installed further improves its effectiveness by allowing more area for water to flow through and offset the amount of area reduced by the accumulated debris.



Bar rack at culvert end to prevent debris clogging

Blowing Snow

This condition is common throughout the region wherever there are open fields adjacent to roads that are aligned perpendicular to the prevailing wind directions. Blowing snow causes reduced

visibility and drifting as well as contributing to icy roads. The typical mitigation measure for blowing snow has been the placement of snow fencing. The snow fencing is set back from the road, sometimes with multiple rows, with the intended function of slowing down the snow so that it drops before reaching the road. Recently, the NYSDOT has been implementing “living snow fences” which consist of closely spaced evergreen type trees and other plantings. This method of snow fencing is much more attractive and generally requires less maintenance.

Resources

The following is a list resources that were referenced in the development of this document and that can be used to identify additional or more specific mitigation strategies.

- 2014 New York State Hazard Mitigation Plan, New York State Division of Homeland Security and Emergency Services, January 2014.
- Local Mitigation Planning Handbook, FEMA, March 2013.
- Mitigation Ideas, A Resource for Reducing Risk to Natural Hazards, FEMA, January 2013.
- Design Guide for Improving Hospital Safety in Earthquakes, Floods, and High Winds, FEMA, June 2007.
- Hazard Mitigation Field Book for Roadways, FEMA, May 2010.
- The City of New York Natural Hazard Mitigation Plan, New York City Office of Emergency Management, March 2009.
- Intelligent Transportation Systems (ITS) Strategic Plan for Greater Rochester, Genesee Transportation Council, February 2011.
- 2035 Long Range Transportation Plan for the Genesee-Finger Lakes Region, Genesee Transportation Council, June 2011.
- Climate Change, Extreme Weather Events and the Highway System: A Practitioner’s Guide, National Cooperative Highway Research Program (NCHRP 20-83(05),
- Planning for Transportation and Climate Change: Model Ordinances, Incentives, and Other Resources, Genesee/ Finger Lakes Regional Planning Council, March 2014.
- Flood Hazard Mitigation Handbook for Public Facilities, FEMA, June 2001.

Potential Funding Sources

The following is a table identifying some of the more popular funding sources and opportunities that can be used for creating a more resilient critical transportation system. The list is derived from those sources identified in the 2014 New York State Hazard Mitigation Plan as well as other known sources.

Table 23: Potential Funding Sources

Program	Agency	Description
Aquatic Ecosystem Restoration	Environmental Protection Agency (EPA)	Support for carrying out aquatic ecosystem restoration projects that will improve quality of the environment.
National Flood Insurance Program	FEMA	Formula grants to assist FEMA communities to comply with NFIP floodplain management requirements.
National Dam Safety Program	FEMA	Technical assistance, training, and grants to help improve State dam safety programs.
Hazard Mitigation Assistance (HMA) Program	FEMA	Grants to provide funding for eligible mitigation activities that reduce disaster losses and protect life and property from future disaster damages.
Flood Mitigation Assistance (FMA) Program	FEMA	Grants to communities for pre-disaster mitigation planning and projects to help reduce or eliminate the long-term risk of flood damage to structures insurable under the NFIP.
Hazard Mitigation Grant Program (HMGP)	FEMA	Grants to communities for planning and projects proving long-term hazard mitigation measures following a major disaster declaration.
Pre-Disaster Mitigation (PDM) Competitive Grant Program	FEMA	Grants to communities for planning and projects that provide long-term hazard pre-disaster mitigation measures.
Partners for Fish and Wildlife	U.S. Fish and Wildlife Service	Financial and technical assistance to landowners interested in pursuing restoration projects affecting wetlands and riparian habitats.
FHWA Emergency Relief Program	U.S. DOT	Funding for the repair or reconstruction of Federal-aid highways that have suffered serious damage as a result of natural disasters or catastrophic failures.
National Institute of Food and Agriculture's Disaster Resilience for Rural Communities Grant Program	U.S. Dept. of Agriculture	Advance basic research in engineering and in the social, behavioral, and economic sciences to enhance disaster resilience in rural communities.

Program	Agency	Description
Emergency Watershed Protection (EWP) Program	Natural Resources Conservation Service (NRCS)	Provides assistance to relieve imminent hazards to life and property caused by natural disasters.
Homeland Security Grant Program (HSGP)	Department of Homeland Security (DHS)	Financial assistance to communities to prevent, protect against, mitigate, respond to, and recover from acts of terrorism and other threats.
Emergency Management Performance Grants (EMPG)	DHS	Assist local and State governments in enhancing and sustaining all hazards emergency management capabilities.
New York State Emergency Services Revolving Loan	NYS Division of Homeland Security and Emergency Services (DHSES)	Assistance for repair of firefighting apparatus, ambulances, or rescue vehicles; Renovation, rehabilitation, or repair of facilities that house firefighting equipment, ambulances, rescue vehicles, and related equipment.

In addition to the above funding sources, Governor Andrew Cuomo is proposing the following transportation and infrastructure funding in his proposed 2016 State Budget:

- Launch the \$1 Billion New BRIDGE NY Program to Fix Bridges – Statewide, there are approximately 8,600 bridges, 34% of which are in poor condition. To upgrade bridges, the Governor is proposing BRIDGE NY, a new \$1 billion initiative that will provide \$500 million to help municipal governments replace, rehabilitate, and maintain vital local bridges and invest \$500 million in state-owned bridges.
- Launch a New \$500 Million Infrastructure Hardening Program – The Governor is proposing a \$500 million Extreme Weather Hardening Program to make safety and resiliency enhancements to roadways across the state that have proven to be susceptible to flooding and other extreme weather events.
- Protect Critical Infrastructure through Targeted Security Assessments – The Governor is proposing to invest \$1.3 million to fund annual security assessments of critical infrastructure and strategies to reduce the State’s vulnerability to terrorism by strengthening readiness and response.

APPENDIX A: LISTING OF CRITICAL TRANSPORTATION ASSETS IN THE GENESEE-FINGER LAKES REGION

Critical Transportation Assets that are Owned or Controlled by New York State Agencies

Police

The following state police assets are mapped on Map 2, on page 11.

Map Label	County	Name of Police/ Fire Facility	Location
1	Genesee	New York State Police	Town of Batavia
2	Genesee	New York State Police	Village of Leroy
3	Livingston	New York State Police	Village of Lima
4	Livingston	New York State Police	Town of Groveland
5	Monroe	New York State Police	City of Rochester
6	Monroe	New York State Police	Town of Riga
7	Monroe	New York State Police	Town of Penfield
8	Ontario	New York State Police	Village of Naples
9	Ontario	New York State Police	Town of Farmington
10	Orleans	New York State Police	Town of Albion
11	Seneca	New York State Police	Town of Waterloo
12	Seneca	New York State Police	Town of Romulus
13	Wayne	New York State Police	Town of Walworth
14	Wayne	New York State Police	Town of Williamson
15	Wayne	New York State Police/ Rochester Transportation Operations Center	Village of Wolcott
16	Wayne	New York State Police	Village of Lyons
17	Wyoming	New York State Police	Village of Warsaw

Highway Facilities

The following NYSDOT or NYSTA highway facility assets are mapped on Map 2, on page 11.

Map Label	County	Name of Highway Garage	Location
18	Genesee	NYSDOT	Town of Stafford
19	Genesee	NYSDOT	Town of Leroy

20	Genesee	New York State Thruway Authority	Town of Batavia
21	Monroe	New York State Thruway Authority	Town of Henrietta
22	Ontario	New York State Thruway Authority	Town of Manchester
23	Livingston	NYS DOT	Town of Geneseo
24	Livingston	NYS DOT Dansville Sub-Residency	Village of Dansville
25	Monroe	NYS DOT	Town of Greece
26	Monroe	NYS DOT	Town of Ogden
27	Monroe	NYS DOT	Town of Gates
28	Monroe	NYS DOT	Town of Chili
29	Monroe	NYS DOT	Town of Chili
30	Monroe	NYS DOT	Town of Rush
31	Monroe	NYS DOT	Town of Henrietta
32	Monroe	NYS DOT	Town of Pittsford
33	Monroe	NYS DOT	Town of Pittsford
34	Monroe	NYS DOT	Town of Pittsford
35	Monroe	NYS DOT	Town of Webster
36	Ontario	NYS DOT	City of Canandaigua
37	Ontario	NYS DOT	Town of South Bristol
38	Orleans	NYS DOT Orleans County Sub-Residency	Town of Albion
39	Seneca	NYS DOT	Village of Waterloo
40	Wayne	NYS DOT	Village of Newark
41	Wayne	NYS DOT	Town of Sodus
42	Wyoming	NYS DOT	Town of Java
43	Wyoming	NYS DOT	Town of Orangeville
44	Wyoming	NYS DOT	Town of Warsaw
45	Yates	NYS DOT	Town of Milo

Critical Transportation Assets Located in Genesee County

Police & Fire

The following police and fire assets located in Genesee County are mapped on Map 3, on page 12.

Map Label	County	Name of Police/ Fire Facility	Location
1	Genesee	New York State Police	Town of Batavia
2	Genesee	New York State Police	Village of Leroy
46	Genesee	Genesee County Sheriff	Town of Batavia
47	Genesee	Town of Alabama Fire Department	Town of Alabama
48	Genesee	Town of Alabama Fire Department	Town of Alabama
49	Genesee	Indian Falls Fire Department	Town of Pembroke
50	Genesee	Pembroke Volunteer Fire Department	Town of Pembroke
51	Genesee	Darien Center Chemical Fire Department	Town of Darien
52	Genesee	Alexander Fire Department	Town of Alexander
53	Genesee	Bethany Volunteer Fire Company	Town of Bethany
54	Genesee	Community Fire Company of Pavilion	Town of Pavilion
55	Genesee	Leroy Fire District	Village of Leroy
56	Genesee	Stafford Fire Department	Town of Stafford
57	Genesee	Town of Batavia Fire Department	Town of Batavia
58	Genesee	Town of Batavia Fire Department	Town of Batavia
59	Genesee	City of Batavia Fire Department	City of Batavia
60	Genesee	City of Batavia Police	City of Batavia
61	Genesee	Village of Elba Fire Department	Village of Elba
62	Genesee	Oakfield Fire Department	Village of Oakfield
63	Genesee	Byron Fire Department	Town of Byron
64	Genesee	South Byron Fire Company	Town of Byron

65	Genesee	Bergen Fire Department	Village of Bergen
66	Genesee	Corfu Fire Department	Village of Corfu
67	Genesee	East Pembroke Fire Department	Town of Batavia

Highway Garages

The following highway garage assets located in Genesee County are mapped on Map 3, on page 12.

Map Label	County	Name of Highway Garage	Location
18	Genesee	NYSDOT	Town of Stafford
19	Genesee	NYSDOT	Town of Leroy
20	Genesee	New York State Thruway Authority (MP 378.2-MP 409.4)	Town of Batavia (Exit 48)
329	Genesee	Genesee County	City of Batavia
331	Genesee	Town of Alabama	Town of Alabama
332	Genesee	Town of Oakfield	Town of Oakfield
333	Genesee	Town of Elba	Town of Elba
334	Genesee	Town of Byron	Town of Byron
335	Genesee	Town of Bergen	Village of Bergen
336	Genesee	Village of Bergen	Village of Bergen
337	Genesee	Town of Pembroke	Town of Pembroke
338	Genesee	Town of Stafford	Town of Stafford
339	Genesee	Village of Leroy	Village of Leroy
340	Genesee	Town of Leroy	Town of Leroy
341	Genesee	Town of Darien	Town of Darien
342	Genesee	Town of Alexander	Village of Alexander
343	Genesee	Town of Bethany	Town of Bethany
344	Genesee	Town of Pavilion	Town of Pavilion
345	Genesee	Town of Batavia	Town of Batavia

Hospitals

The following hospitals located in Genesee County are mapped on Map 3, page 12.

Map Label	County	Name of Hospital	Location
501	Genesee	U.S. Veteran's Hospital	City of Batavia
502	Genesee	United Memorial Hospital	City of Batavia

Operations

The following operational assets located in Genesee County are mapped on Map 3, page 12.

Map Label	County	Name of Operations Facility	Location
518	Genesee	Batavia Bus Service	City of Batavia
519	Genesee	Genesee County Emergency Management Office	Town of Batavia

Critical Transportation Assets Located in Livingston County

Police & Fire

The following police and fire assets located in Livingston County are mapped on Map 4, on page 13.

Map Label	County	Name of Police/ Fire Facility	Location
3	Livingston	New York State Police	Village of Lima
4	Livingston	New York State Police	Town of Groveland
68	Livingston	Livingston County Sheriff	Town of Groveland
69	Livingston	Village of Caledonia Police	Village of Caledonia
70	Livingston	Genesee Valley EMS	Town of Caledonia
71	Livingston	Lima Fire Department	Village of Lima
72	Livingston	Avon Fire District	Town of Avon
73	Livingston	Avon Rotary- Lions Ambulance	Town of Avon
74	Livingston	Lakeville Fire Department	Town of Livonia
75	Livingston	York Volunteer Fire Department	Town of York
76	Livingston	Livonia Joint Fire District	Village of Livonia
77	Livingston	Hemlock Volunteer Fire	Town of Livonia
78	Livingston	Village of Geneseo Police	Village of Geneseo
79	Livingston	Cuylerville Fire Department	Town of Leicester
80	Livingston	Village of Leicester Fire Department	Village of Leicester
81	Livingston	Village of Mount Morris Police	Village of Mount Morris
82	Livingston	Conesus Fire Department	Town of Conesus
83	Livingston	West Sparta Volunteer Fire Department	Town of West Sparta
84	Livingston	Sparta Center Fire Department	Town of Sparta
85	Livingston	Springwater Fire Department	Town of Springwater
86	Livingston	Nunda Fire Department	Village of Nunda
87	Livingston	Jackson Hose Company	Village of Dansville
88	Livingston	Union Hose Company of Dansville	Village of Dansville
89	Livingston	Dansville Ambulance	Village of Dansville
90	Livingston	Dansville Fire Department	Village of Dansville

Highway Garages

The following highway garage assets located in Livingston County are mapped on Map 4, on page 13.

Map Label	County	Name of Highway Garage	Location
23	Livingston	NYSDOT	Town of Geneseo
24	Livingston	NYSDOT Dansville Sub-Residency	Village of Dansville
346	Livingston	Livingston County	Town of Groveland
347	Livingston	Livingston County	Town of Conesus
348	Livingston	Town of Caledonia	Town of Caledonia
349	Livingston	Town of York	Town of York
350	Livingston	Village of Lima	Village of Lima
351	Livingston	Town of Lima	Town of Lima
352	Livingston	Town of Avon	Town of Avon
353	Livingston	Village of Geneseo	Village of Geneseo
354	Livingston	Village of Livonia	Village of Livonia
355	Livingston	Town of Livonia	Village of Livonia
356	Livingston	Town of Geneseo	Town of Geneseo
357	Livingston	Town of Mount Morris	Town of Mount Morris
358	Livingston	Village of Mount Morris	Village of Mount Morris
359	Livingston	Town of Conesus	Town of Conesus
360	Livingston	Town of Springwater	Town of Springwater
361	Livingston	Town of Sparta	Town of Sparta
362	Livingston	Town of Nunda	Town of Nunda
363	Livingston	Village of Nunda	Village of Nunda
364	Livingston	Town of Portage	Town of Portage
365	Livingston	Town of Ossian	Town of Ossian
366	Livingston	Village of Dansville	Village of Dansville
367	Livingston	Town of Leicester	Town of Leicester

Hospitals

The following hospitals located in Livingston County are mapped on Map 4, page 13.

Map Label	County	Name of Hospital	Location
503	Livingston	Nicholas H. Noyes Memorial Hospital	Village of Dansville

Operations

The following operational facilities located in Livingston County are mapped on Map 4, page 13.

Map Label	County	Name of Operations Facility	Location
520	Livingston	Livingston County Emergency Management Office	Town of Groveland
521	Livingston	Livingston Area Transportation Service	Town of Groveland

Critical Transportation Assets Located in Monroe County

Police & Fire

The following police and fire assets located in Monroe County are mapped on Maps 5, 6, 7, or 8 on pages 14-17.

Map Label	County	Name of Police/ Fire Facility	Location
5	Monroe	New York State Police/ Rochester Transportation Operations Center	City of Rochester
6	Monroe	New York State Police	Town of Riga
7	Monroe	New York State Police	Town of Penfield
91	Monroe	Monroe County Sheriff	City of Rochester
92	Monroe	Monroe County Sheriff Substation A	Town of Pittsford
93	Monroe	Monroe County Sheriff Substation B	Town of Henrietta
94	Monroe	Monroe County Sheriff Substation C	Town of Ogden
95	Monroe	Monroe Correctional Facility	Town of Brighton
96	Monroe	City of Rochester Police Department- East Division	City of Rochester
97	Monroe	City of Rochester Police Department- Special Operations	City of Rochester
98	Monroe	City of Rochester Police Department- West Division	City of Rochester
99	Monroe	Morton Fire Department	Town of Hamlin
100	Monroe	Hamlin Fire Department	Town of Hamlin
101	Monroe	Walker Fire Department	Town of Hamlin
102	Monroe	Hilton Fire Department	Village of Hilton
103	Monroe	Brockport Fire Department	Town of Clarkson
104	Monroe	Brockport Fire Department	Village of Brockport
105	Monroe	Brockport Fire Department	Village of Brockport
106	Monroe	Spencerport Fire Department	Town of Parma
107	Monroe	Spencerport Fire Department	Village of Spencerport

108	Monroe	Spencerport Fire Department	Town of Ogden
109	Monroe	Churchville Fire Department	Village of Churchville
110	Monroe	Clifton Fire Department	Town of Chili
111	Monroe	Mumford Fire Department	Town of Wheatland
112	Monroe	Scottsville Fire Department	Village of Scottsville
113	Monroe	Rush Fire Department	Town of Rush
114	Monroe	Rush Fire Department	Town of Rush
115	Monroe	Henrietta Fire Department	Town of Henrietta
116	Monroe	Henrietta Fire Department	Town of Henrietta
117	Monroe	Henrietta Fire Department	Town of Henrietta
118	Monroe	Henrietta Fire Department	Town of Henrietta
119	Monroe	Henrietta Fire Department	Town of Henrietta
120	Monroe	Henrietta Fire Department	Town of Henrietta
121	Monroe	Chili Fire Department	Town of Chili
122	Monroe	Chili Fire Department	Town of Chili
123	Monroe	Chili Fire Department	Town of Chili
124	Monroe	Chili Fire Department	Town of Chili
125	Monroe	West Brighton Fire Department	Town of Brighton
126	Monroe	West Brighton Fire Department	Town of Brighton
127	Monroe	Gates-Chili Fire Department	Town of Gates
128	Monroe	Gates-Chili Fire Department	Town of Gates
129	Monroe	Gates-Chili Department	Town of Gates
130	Monroe	Ridge Road Fire Department	Town of Greece
131	Monroe	Ridge Road Fire Department	Town of Greece
132	Monroe	Ridge Road Fire Department	Town of Greece
133	Monroe	Barnard Fire Department	Town of Greece
134	Monroe	North Greece Fire Department	Town of Greece
135	Monroe	North Greece Fire Department	Town of Greece
136	Monroe	North Greece Fire Department	Town of Greece
137	Monroe	Lake Shore Fire Department	Town of Greece
138	Monroe	Lake Shore Fire Department	Town of Greece
139	Monroe	Lake Shore Fire Department	Town of Greece

140	Monroe	St. Paul Fire Department	Town of Irondequoit
141	Monroe	St. Paul Fire Department	Town of Irondequoit
142	Monroe	Point Pleasant Fire Department	Town of Irondequoit
143	Monroe	Point Pleasant Fire Department	Town of Irondequoit
144	Monroe	Sea Breeze Fire Department	Town of Irondequoit
145	Monroe	Ridge-Culver Fire Department	Town of Irondequoit
146	Monroe	West Webster Fire Department	Town of Webster
147	Monroe	West Webster Fire Department	Town of Webster
148	Monroe	West Webster Fire Department	Town of Penfield
149	Monroe	Xerox Fire Department	Village of Webster
150	Monroe	Webster Fire Department	Village of Webster
151	Monroe	Webster Fire Department	Town of Penfield
152	Monroe	Union Hill Fire Department	Town of Webster
153	Monroe	Penfield Fire Department	Town of Penfield
154	Monroe	Penfield Fire Department	Town of Penfield
155	Monroe	Penfield Fire Department	Town of Penfield
156	Monroe	East Rochester Fire Department	Village of East Rochester
157	Monroe	Pittsford Fire Department	Village of Pittsford
158	Monroe	Pittsford Fire Department	Town of
159	Monroe	Fairport Fire Department	Village of Fairport
160	Monroe	Fairport Fire Department	Village of Fairport
161	Monroe	Bushnell's Basin Fire Department	Town of Perinton
162	Monroe	Bushnell's Basin Fire Department	Town of Perinton
163	Monroe	Egypt Fire Department	Town of Perinton
164	Monroe	Egypt Fire Department	Town of Perinton
165	Monroe	Mendon Fire Department	Town of Mendon
166	Monroe	Honeoye Falls Fire Department	Village of Honeoye Falls
167	Monroe	Brighton Fire Department	Town of Brighton
168	Monroe	Brighton Fire Department	Town of Brighton
169	Monroe	Brighton Fire Department	Town of Brighton
170	Monroe	Laurelton Fire Department	Town of Irondequoit
171	Monroe	Airport CFR	City of Rochester

172	Monroe	Rochester Fire Department	City of Rochester
173	Monroe	Rochester Fire Department	City of Rochester
174	Monroe	Rochester Fire Department	City of Rochester
175	Monroe	Rochester Fire Department	City of Rochester
176	Monroe	Rochester Fire Department	City of Rochester
177	Monroe	Rochester Fire Department	City of Rochester
178	Monroe	Rochester Fire Department	City of Rochester
179	Monroe	Rochester Fire Department	City of Rochester
180	Monroe	Rochester Fire Department	City of Rochester
181	Monroe	Rochester Fire Department	City of Rochester
182	Monroe	Rochester Fire Department	City of Rochester
183	Monroe	Rochester Fire Department	City of Rochester
184	Monroe	Rochester Fire Department	City of Rochester
185	Monroe	Rochester Fire Department	City of Rochester
186	Monroe	Rochester Fire Department	City of Rochester
187	Monroe	Rochester Fire Department	City of Rochester
188	Monroe	Kodak Fire Department	City of Rochester
189	Monroe	Kodak Fire Department	City of Rochester

Highway Garages

The following highway garage assets located in Monroe County are mapped on Maps 5, 6, 7, or 8 on pages 14-17.

Map Label	County	Name of Highway Garage	Location
21	Monroe	New York State Thruway Authority (MP 350.6-MP 378.2)	Town of Henrietta (Exit 46)
25	Monroe	NYSDOT	Town of Greece
26	Monroe	NYSDOT	Town of Ogden
27	Monroe	NYSDOT	Town of Gates
28	Monroe	NYSDOT	Town of Chili
29	Monroe	NYSDOT	Town of Chili
30	Monroe	NYSDOT	Town of Rush
31	Monroe	NYSDOT	Town of Henrietta

32	Monroe	NYSDOT	Town of Pittsford
33	Monroe	NYSDOT	Town of Pittsford
34	Monroe	NYSDOT	Town of Pittsford
35	Monroe	NYSDOT	Town of Webster
368	Monroe	Monroe County Department of Transportation	City of Rochester
369	Monroe	Monroe County	Town of Greece
370	Monroe	Monroe County Fleet Center	Town of Chili
371	Monroe	Town of Clarkson	Town of Clarkson
372	Monroe	Town of Sweden	Town of Sweden
373	Monroe	Town of Hamlin	Town of Hamlin
374	Monroe	Village of Brockport	Village of Brockport
375	Monroe	Town of Ogden	Town of Ogden
376	Monroe	Village of Spencerport	Village of Spencerport
377	Monroe	Town of Greece	Town of Greece
378	Monroe	City of Rochester (multiple locations)	City of Rochester
379	Monroe	Town of Gates	Town of Gates
380	Monroe	Town of Riga	Town of Riga
381	Monroe	Town of Chili	Town of Chili
382	Monroe	Town of Wheatland	Town of Wheatland
383	Monroe	Town of Henrietta	Town of Henrietta
384	Monroe	Town of Rush	Town of Rush
385	Monroe	Village of Scottsville	Village of Scottsville
386	Monroe	Town of Brighton	Town of Brighton
387	Monroe	Village of Pittsford	Village of Pittsford
388	Monroe	Town of Mendon	Town of Mendon
389	Monroe	Town of Pittsford	Town of Pittsford
390	Monroe	Village of East Rochester	Village of East Rochester
391	Monroe	Town of Perinton	Town of Pernton
392	Monroe	Town of Penfield	Town of Penfield
393	Monroe	Village of Fairport	Village of Fairport
394	Monroe	Town of Irondequoit	Town of Irondequoit

395	Monroe	Town of Webster	Town of Webster
396	Monroe	Village of Webster	Village of Webster

Hospitals

The following hospitals located in Monroe County are mapped on Maps 5, 6, 7, or 8 on pages 14-17.

Map Label	County	Name of Hospital	Location
504	Monroe	University of Rochester Medical Campus	City of Rochester
505	Monroe	Strong Memorial Hospital	City of Rochester
506	Monroe	Highland Hospital	City of Rochester
507	Monroe	Rochester General Hospital	City of Rochester
508	Monroe	Unity Health Hospital	Town of Greece

Operations

The following operational assets located in Monroe County are mapped on Maps 5, 6, 7, or 8 on pages 14-17.

Map Label	County	Name of Operations Facility	Location
522	Monroe	Monroe County Emergency Operations Center	City of Rochester
523	Monroe	Regional Traffic Operations Center (RTOC)	Town of Chili
524	Monroe	RGRTA East Main Street Campus	City of Rochester
525	Monroe	RGRTA Lift Line Campus	Town of Gates
526	Monroe	Downtown Transit Center	City of Rochester

Critical Transportation Assets Located in Ontario County

Police & Fire

The following police and fire assets located in Ontario County are mapped on Map 9, on page 18.

Map Label	County	Name of Police/ Fire Facility	Location
8	Ontario	New York State Police	Village of Naples
9	Ontario	New York State Police	Town of Farmington
190	Ontario	Ontario County Sheriff	City of Canandaigua
191	Ontario	Fishers Fire District	Town of Victor
192	Ontario	Fishers Fire District	Town of Victor
193	Ontario	Farmington Fire Department	Town of Farmington
194	Ontario	Farmington Fire Department	Town of Farmington
195	Ontario	Fort Gibson Fire Department	Town of Manchester
196	Ontario	Village of Clifton Springs Police	Village of Clifton Springs
197	Ontario	Manchester Fire District	Village of Manchester
198	Ontario	Shortsville Fire District	Village of Shortsville
199	Ontario	Ionia Volunteer Fire Department	Town of West Bloomfield
200	Ontario	East Bloomfield-Holcomb Fire Department	Village of Bloomfield
201	Ontario	City of Canandaigua Police	City of Canandaigua
202	Ontario	City of Canandaigua Fire District	City of Canandaigua
203	Ontario	Hopewell Volunteer Fire Department	Town of Hopewell
204	Ontario	Hopewell Volunteer Fire Department	Town of Hopewell
205	Ontario	Sen. Castle Fire District	Town of Seneca
206	Ontario	Victor Fire Department	Village of Victor
207	Ontario	Bristol Fire Department	Town of Bristol
208	Ontario	Village of Phelps Police	Village of Phelps
209	Ontario	Phelps Fire Department	Village of Phelps
210	Ontario	Oaks Corners Volunteer Fire Association	Town of Phelps
211	Ontario	Northside Fire District	Town of Geneva

212	Ontario	White Springs Fire Association	Town of Geneva
213	Ontario	Hydrant Hose Company	City of Geneva
214	Ontario	City of Geneva Police	City of Geneva
215	Ontario	West Lake Road Fire District	Town of Geneva
216	Ontario	Stanley Fire District	Town of Seneca
217	Ontario	Hall Fire District	Town of Seneca
218	Ontario	Gorham Fire Commission	Town of Gorham
219	Ontario	Crystal Beach Fire Company	Town of Gorham
220	Ontario	Cheshire Volunteer Fire Company	Town of Canandaigua
221	Ontario	Richmond Fire Department	Town of Richmond
222	Ontario	Naples Fire District	Town of South Bristol
223	Ontario	Village of Naples Police	Village of Naples
224	Ontario	Bristol Volunteer Fire Department	Town of Bristol

Highway Garages

The following highway garage assets located in Ontario County are mapped on Map 9, on page 18.

Map Label	County	Name of Highway Garage	Location
22	Ontario	New York State Thruway Authority (MP 320.7-MP 350.6)	Manchester (Exit 43)
36	Ontario	NYSDOT	City of Canandaigua
37	Ontario	NYSDOT	Town of South Bristol
397	Ontario	Ontario County	City of Canandaigua
398	Ontario	Ontario County	City of Geneva
399	Ontario	Town of Victor	Village of Victor
400	Ontario	Village of Victor	Village of Victor
401	Ontario	Town of Farmington	Town of Farmington
402	Ontario	Village of Manchester	Village of Manchester
403	Ontario	Village of Clifton Springs	Village of Clifton Springs
404	Ontario	Town of West Bloomfield	Town of West Bloomfield
405	Ontario	City of Canandaigua	City of Canandaigua

406	Ontario	Town of Phelps	Village of Phelps
407	Ontario	Village of Phelps	Village of Phelps
408	Ontario	Town of Geneva	Town of Geneva
409	Ontario	Town of Gorham	Town of Gorham
410	Ontario	Town of Richmond	Town of Richmond
411	Ontario	Town of South Bristol	Town of South Bristol
412	Ontario	Town of Canadice	Town of Canadice
413	Ontario	Town of Naples	Town of Naples
414	Ontario	Village of Naples	Village of Naples

Hospitals

The following hospitals located in Ontario County are mapped on Map 9, on page 18.

Map Label	County	Name of Hospital	Location
509	Ontario	FF Thompson Hospital	City of Canandaigua
510	Ontario	U.S. Veteran's Hospital	City of Canandaigua
511	Ontario	Clifton Springs Hospital	Village of Clifton Springs
512	Ontario	Geneva General Hospital	City of Geneva

Operations

The following operational assets located in Ontario County are mapped on Map 9, on page 18.

Map Label	County	Name of Operations Facility	Location
527	Ontario	Ontario County Safety Training Facility	Town of Hopewell
528	Ontario	County Area Transportation System	Town of Hopewell

Critical Transportation Assets Located in Orleans County

Police & Fire

The following police and fire assets located in Orleans County are mapped on Map 10, on page 19.

Map Label	County	Name of Police/ Fire Facility	Location
10	Orleans	New York State Police	Town of Albion
225	Orleans	Brockport Fire Department	Town of Clarendon
226	Orleans	Orleans County Sheriff	Town of Albion
227	Orleans	Lyndonville Fire Department	Village of Lyndonville
228	Orleans	Ridgeway Volunteer Fire	Town of Ridgeway
229	Orleans	Ridgeway Volunteer Fire	Town of Ridgeway
230	Orleans	Shelby Volunteer Fire Company	Town of Shelby
231	Orleans	Shelby Volunteer Fire Company	Town of Shelby
232	Orleans	East Shelby Volunteer Company	Town of Shelby
233	Orleans	Carlton Fire Company	Town of Carlton
234	Orleans	Carlton Fire Company	Town of Carlton
235	Orleans	Village of Albion Police	Village of Albion
236	Orleans	Barre Fire Company	Town of Barre
237	Orleans	Kendall Fire Department	Town of Kendall
238	Orleans	FMH Volunteer Fire Company	Town of Murray

Highway Garages

The following highway garage assets located in Orleans County are mapped on Map 10, on page 19.

Map Label	County	Name of Highway Garage	Location
38	Orleans	NYS DOT Orleans County Sub-Residency	Town of Albion
415	Orleans	Town of Kendall	Town of Kendall
416	Orleans	Town of Ridgeway	Town of Ridgeway
417	Orleans	Orleans County	Village of Albion
418	Orleans	Town of Yates	Town of Yates
419	Orleans	Village of Medina	Village Medina

420	Orleans	Town of Carlton	Town of Carlton
421	Orleans	Town of Gaines	Town of Gaines
422	Orleans	Village of Albion	Village of Albion
423	Orleans	Town of Murray	Town of Murray
424	Orleans	Town of Clarendon	Town of Clarendon

Hospitals

The following hospitals located in Orleans County are mapped on Map 10, on page 19.

Map Label	County	Name of Hospital	Location
513	Orleans	Medina Memorial Hospital	Village of Medina

Operations

The following operational assets located in Orleans County are mapped on Map 10, on page 19.

Map Label	County	Name of Operations Facility	Location
529	Orleans	Orleans Transit Service	Village of Albion
530	Orleans	Orleans County Emergency Management Office	Town of Albion

Critical Transportation Assets Located in Seneca County

Police & Fire

The following police and fire assets located in Seneca County are mapped on Map 11, on page 20.

Map Label	County	Name of Police/ Fire Facility	Location
11	Seneca	New York State Police	Town of Waterloo
12	Seneca	New York State Police	Town of Romulus
239	Seneca	Seneca County Sheriff	Town of Romulus
240	Seneca	Junius Fire Department	Town of Junius
241	Seneca	Magee Volunteer Fire Department	Town of Tyre
242	Seneca	Junius Volunteer Fire Department	Town of Junius
243	Seneca	Magee Volunteer Fire Department	Town of Tyre
244	Seneca	Border City Hose Company	Town of Waterloo
245	Seneca	Village of Waterloo Police	Village of Waterloo
246	Seneca	North Seneca Ambulance	Village of Waterloo
247	Seneca	Seneca Falls Police Department	Town of Seneca Falls
248	Seneca	Canoga Volunteer Fire Department	Town of Fayette
249	Seneca	Fayette Volunteer Fire Department	Town of Fayette
250	Seneca	Varick Volunteer Fire Company	Town of Varick
251	Seneca	Romulus Volunteer Fire Department	Town of Varick
252	Seneca	South Seneca Ambulance Company	Town of Romulus
253	Seneca	Lodi Volunteer Fire Company	Town of Lodi
254	Seneca	Interlaken Fire Department	Town of Covert
255	Seneca	Interlaken Police Department	Village of Interlaken

Highway Garages

The following highway garage assets located in Seneca County are mapped on Map 11, on page 20.

Map Label	County	Name of Highway Garage	Location
39	Seneca	NYSDOT	Village of Waterloo
425	Seneca	Seneca County	Town of Romulus
426	Seneca	Town of Junius	Town of Junius
427	Seneca	Town of Tyre	Town of Tyre
428	Seneca	Town of Waterloo	Village of Waterloo
429	Seneca	Village of Waterloo	Village of Waterloo
430	Seneca	Town of Seneca Falls	Town of Seneca Falls
431	Seneca	Town of Fayette	Town of Fayette
432	Seneca	Town of Varick	Town of Varick
433	Seneca	Town of Romulus	Town of Romulus
434	Seneca	Town of Ovid	Town of Ovid
435	Seneca	Village of Ovid	Village of Ovid
436	Seneca	Town of Lodi	Village of Lodi
437	Seneca	Village of Lodi	Village of Lodi
438	Seneca	Town of Covert	Village of Interlaken

Hospitals

The following hospitals located in Seneca County are mapped on Map 11, on page 20.

Map Label	County	Name of Hospital	Location
514	Seneca	Geneva General Hospital	Village of Waterloo

Operations

The following operational assets located in Seneca County are mapped on Map 11, on page 20.

Map Label	County	Name of Operations Facility	Location
531	Seneca	Seneca Transit Service	Village of Waterloo
532	Seneca	Seneca County Emergency Management Office	Village of Waterloo

Critical Transportation Assets Located in Wayne County

Police & Fire

The following police and fire assets located in Wayne County are mapped on Map 12, on page 21.

Map Label	County	Name of Police/ Fire Facility	Location
13	Wayne	New York State Police	Town of Walworth
14	Wayne	New York State Police	Town of Williamson
15	Wayne	New York State Police	Village of Wolcott
16	Wayne	New York State Police	Village of Lyons
256	Wayne	Wayne County Sheriff	Town of Lyons
257	Wayne	Union Hill Fire Department	Town of Ontario
258	Wayne	Pultneyville Volunteer Fire Company	Town of Williamson
259	Wayne	Williamson Fire District	Town of Williamson
261	Wayne	Lincoln Fire Department	Town of Walworth
262	Wayne	West Walworth Fire Department	Town of Walworth
263	Wayne	Walworth Fire District No. 1	Town of Walworth
264	Wayne	Marion Fire Department	Town of Marion
265	Wayne	Wallington Fire Department Inc.	Town of Sodus
266	Wayne	Sodus Center Fire Hall	Town of Sodus
267	Wayne	Macedon Center Fire Department	Town of Macedon
268	Wayne	Village of Palmyra Police	Village of Palmyra
269	Wayne	East Palmyra Fire Department	Town of Palmyra
270	Wayne	Fairville Volunteer Fire	Town of Arcadia
271	Wayne	Newark Hose Company	Village of Newark
272	Wayne	Marbletown Fire Department	Town of Arcadia
273	Wayne	Sodus Point Fire District	Village of Sodus Point
274	Wayne	Alton Fire District	Town of Sodus
275	Wayne	Village of Wolcott Police	Village of Wolcott
276	Wayne	North Rose Fire District	Town of Rose
277	Wayne	Rose Fire Department	Town of Rose

278	Wayne	South Butler Fire District	Town of Butler
279	Wayne	Savannah Fire Company Inc.	Town of Savannah
280	Wayne	Clyde Fire Department	Town of Galen
281	Wayne	Macedon Fire Department	Village of Macedon
282	Wayne	Macedon Police Department	Town of Macedon
283	Wayne	Wolcott Fire Department	Town of Wolcott
284	Wayne	Red Creek Fire Department	Village of Red Creek
285	Wayne	South Macedon Fire Department	Town of Macedon
286	Wayne	Ontario Fire Company	Town of Ontario
287	Wayne	Lyons Fire Department	Town of Lyons
288	Wayne	Palmyra Fire Department	Village of Palmyra
289	Wayne	Sodus Fire Department	Village of Sodus
290	Wayne	Sodus Police Department	Village of Sodus

Highway Garages

The following highway garage assets located in Wayne County are mapped on Map 12, on page 21.

Map Label	County	Name of Highway Garage	Location
40	Wayne	NYSDOT	Village of Newark
41	Wayne	NYSDOT	Town of Sodus
439	Wayne	Wayne County	Town of Macedon
440	Wayne	Wayne County	Town of Arcadia
441	Wayne	Wayne County	Town of Savannah
442	Wayne	Wayne County	Town of Sodus
443	Wayne	Town of Ontario	Town of Ontario
444	Wayne	Town of Walworth	Town of Walworth
445	Wayne	Town of Sodus	Village of Sodus
446	Wayne	Village of Sodus	Village of Sodus
447	Wayne	Town of Marion	Town of Marion
448	Wayne	Town of Huron	Town of Huron
449	Wayne	Town of Wolcott	Town of Wolcott
450	Wayne	Village of Wolcott	Village of Wolcott
451	Wayne	Town of Butler	Town of Butler

452	Wayne	Town of Macedon	Town of Macedon
453	Wayne	Village of Palmyra	Village of Palmyra
454	Wayne	Town of Arcadia	Village of Newark
455	Wayne	Town of Savannah	Town of Savannah
456	Wayne	Town/ Village of Lyons	Village of Lyons
457	Wayne	Town of Williamson	Town of Williamson
458	Wayne	Town of Rose	Town of Rose
459	Wayne	Town of Galen	Village of Clyde
460	Wayne	Village of Red Creek	Village of Red Creek
461	Wayne	Village of Sodus Point	Village of Sodus Point

Hospitals

The following hospitals located in Wayne County are mapped on Map 12, on page 21.

Map Label	County	Name of Hospital	Location
515	Wayne	Newark-Wayne Community Hospital	Village of Newark

Operations

The following operational assets located in Wayne County are mapped on Map 12, on page 21.

Map Label	County	Name of Operations Facility	Location
533	Wayne	Wayne County Emergency Management Office	Town of Lyons
534	Wayne	Wayne Area Transportation Service	Town of Arcadia

Critical Transportation Assets Located in Wyoming County

Police & Fire

The following police and fire assets located in Wyoming County are mapped on Map 13, on page 22.

Map Label	County	Name of Police/ Fire Facility	Location
17	Wyoming	New York State Police	Village of Warsaw
291	Wyoming	Wyoming Co Sheriff's Office & Jail	Village of Warsaw
292	Wyoming	Wyoming County Sheriff	Town of Wethersfield
293	Wyoming	Cowlesville Fire Company	Town of Bennington
294	Wyoming	Bennington Fire Department	Town of Bennington
295	Wyoming	Village of Attica Police	Village of Attica
296	Wyoming	Wyoming Hook and Ladder	Village of Wyoming
297	Wyoming	Harris Corners Fire Company	Town of Sheldon
298	Wyoming	Sheldon Fire Company	Town of Sheldon
299	Wyoming	Varysburg Fire Department	Town of Sheldon
300	Wyoming	Strykersville Fire Company	Town of Java
301	Wyoming	North Java Fire District	Town of Java
302	Wyoming	North Java Fire District	Town of Java
303	Wyoming	Strykersville Fire Company	Town of Java
304	Wyoming	Village of Arcade Police	Village of Arcade
305	Wyoming	Bliss Fire Department	Town of Eagle
306	Wyoming	Pike Volunteer Fire Company	Town of Pike
308	Wyoming	Gainesville Fire Company	Village of Gainesville
309	Wyoming	Castile Fire Department	Village of Castile
310	Wyoming	Silver Springs Fire Department	Village of Silver Springs
311	Wyoming	Village of Warsaw Police	Village of Warsaw
312	Wyoming	Village of Perry Police	Village of Perry
313	Wyoming	Arcade Fire Department	Village of Arcade
314	Wyoming	Attica Fire Department	Village of Attica
315	Wyoming	Perry Fire Department	Village of Perry
316	Wyoming	Perry Center Fire Department	Town of Perry
317	Wyoming	Warsaw Fire Department	Village of Warsaw

Highway Garages

The following highway garage assets located in Wyoming County are mapped on Map 13, on page 22.

Map Label	County	Name of Highway Garage	Location
42	Wyoming	NYSDOT Java	Town of Java
43	Wyoming	NYSDOT Varysburg	Town of Orangeville
44	Wyoming	NYSDOT Warsaw	Town of Warsaw
462	Wyoming	Wyoming County	Town of Gainesville
463	Wyoming	Town of Bennington	Town of Bennington
464	Wyoming	Town of Attica	Town of Attica
465	Wyoming	Village of Attica	Village of Attica
466	Wyoming	Town of Middlebury	Village of Middlebury
467	Wyoming	Village of Wyoming	Village of Wyoming
468	Wyoming	Town of Perry	Town of Perry
469	Wyoming	Village of Perry	Village of Perry
470	Wyoming	Village of Warsaw	Village of Warsaw
471	Wyoming	Town of Warsaw	Town of Warsaw
472	Wyoming	Town of Orangeville	Town of Orangeville
473	Wyoming	Town of Sheldon	Town of Sheldon
474	Wyoming	Town of Java	Town of Java
475	Wyoming	Town of Wethersfield	Town of Wethersfield
476	Wyoming	Town of Gainesville	Village of Gainesville
477	Wyoming	Village of Castile	Village of Castile
478	Wyoming	Town of Castile	Town of Castile
479	Wyoming	Town of Pike	Town of Pike
480	Wyoming	Town of Eagle	Town of Eagle
481	Wyoming	Town of Arcade	Town of Arcade
482	Wyoming	Village of Arcade	Village of Arcade
483	Wyoming	Town of Genesee Falls	Town of Genesee Falls
484	Wyoming	Town of Covington	Town of Covington
485	Wyoming	Village of Silver Springs	Village of Silver Springs
486	Wyoming	Village of Gainesville	Village of Gainesville

Hospitals

The following hospitals located in Wyoming County are mapped on Map 13, on page 22.

Map Label	County	Name of Hospital	Location
516	Wyoming	Wyoming County Community Hospital	Village of Warsaw

Operations

The following operational assets located in Wyoming County are mapped on Map 13, on page 22.

Map Label	County	Name of Operations Facility	Location
535	Wyoming	Wyoming Transit Service	Village of Warsaw
536	Wyoming	Wyoming County Bureau of Emergency Management	Village of Warsaw

Critical Transportation Assets Located in Yates County

Police & Fire

The following police and fire assets located in Yates County are mapped on Map 14, on page 23.

Map Label	County	Name of Police/ Fire Facility	Location
318	Yates	Yates County Sheriff	Village of Penn Yan
319	Yates	Potter Volunteer Fire Department	Town of Potter
320	Yates	Rushville Fire Department	Village of Rushville
321	Yates	Benton Fire Department	Town of Benton
322	Yates	Bellona Fire Department	Town of Benton
323	Yates	PY Ambulance	Village of Penn Yan
324	Yates	Village of Penn Yan Police	Village of Penn Yan
325	Yates	Penn Yan Fire Department	Village of Penn Yan
326	Yates	Keuka Park Fire Department	Town of Jerusalem
327	Yates	Himrod Fire District	Town of Milo
328	Yates	Dundee Fire Department	Village of Dundee

Highway Garages

The following highway garage assets located in Yates County are mapped on Map 14, on page 23.

Map Label	County	Name of Highway Garage	Location
45	Yates	NYS DOT	Town of Milo
487	Yates	Yates County	Town of Benton
488	Yates	Village of Rushville	Village of Rushville
489	Yates	Town of Middlesex	Town of Middlesex
490	Yates	Town of Potter	Town of Potter
491	Yates	Town of Italy	Town of Italy
492	Yates	Town of Jerusalem	Town of Jerusalem
493	Yates	Town of Torrey	Village of Dresden
494	Yates	Village of Dresden	Village of Dresden
495	Yates	Town of Milo	Town of Milo

496	Yates	Town of Barrington	Town of Barrington
497	Yates	Town of Starkey	Town of Starkey
498	Yates	Village of Dundee	Village of Dundee
499	Yates	Village of Penn Yan	Village of Penn Yan
500	Yates	Town of Benton	Town of Benton

Hospitals

The following hospitals located in Yates County are mapped on Map 14, on page 23.

Map Label	County	Name of Hospital	Location
517	Yates	Soldiers & Sailors Memorial Hospital	Village of Penn Yan

Operations

The following operational assets located in Yates County are mapped on Map 14, on page 23.

Map Label	County	Name of Operations Facility	Location
537	Yates	Yates County Emergency Management Office	Village of Penn Yan

APPENDIX B: RESULTS OF VULNERABILITY SCORING OF ALL ASSETS

Asset Vulnerability Scoring – Regional Network

The following tables portrays the results of the vulnerability scoring of all critical transportation assets in the Genesee-Finger Lakes Region assessed as part of this study.

Legend of Transportation Asset Vulnerability Scores

- High Vulnerability (score of 225 or greater) =
- Moderately High Vulnerability (score of 200-224) =
- Moderate Vulnerability (score of 175-199) =
- Moderately Low Vulnerability (score of 150-174) =
- Low Vulnerability (score of under 150) =

Roadway Segment Vulnerability Scoring – Regional Network

The following table portrays the results of the vulnerability scoring of all roadways in the Genesee-Finger Lakes Region assessed as part of this study.

County	Route	Road Name	Municipality	Asset Vulnerability Score
GENESEE	I90	NYS Thruway	Batavia	270.75
GENESEE	I90	NYS Thruway	Pembroke	268.5
MONROE	I90	NYS Thruway	Wheatland	261.75
ONTARIO	I90	NYS Thruway	Manchester	250.5
GENESEE	I90	NYS Thruway	Batavia	248.25
SENECA	I90	NYS Thruway	Tyre	243.75
WAYNE	NY31	n/a	Lyons	241.5
LIVINGSTON	I390	n/a	Groveland	239.75
MONROE	NY104	n/a	Irondequoit	238
MONROE	NY104	n/a	Rochester	238
MONROE	I90	NYS Thruway	Pittsford	235.5
MONROE	I390	n/a	Rochester	234.25
MONROE	I490	n/a	Rochester	234.25
ONTARIO	I90	NYS Thruway	Victor	232.75
ONTARIO	I90	NYS Thruway	Farmington	230.25
MONROE	NY390	n/a	Gates	229.75
MONROE	I490	n/a	Rochester	229.75
MONROE	I590	n/a	Brighton	229
GENESEE	NY19	n/a	Bergen	224.25

County	Route	Road Name	Municipality	Asset Vulnerability Score
LIVINGSTON	I390	n/a	Avon	224.25
MONROE	NY104	n/a	Webster	222.75
MONROE	I490	n/a	Riga	222.5
MONROE	I490	n/a	Riga	222.5
WYOMING	NY19	n/a	Warsaw	222.25
WAYNE	NY104	n/a	Sodus	221.25
MONROE	I390	n/a	Henrietta	220.75
LIVINGSTON	I390	n/a	North Dansville	219.5
MONROE	947A	Lake Ontario St Pkwy	Greece	218
WYOMING	US20A	W BUFFALO ST	Warsaw	216.75
MONROE	I490	n/a	Brighton	216.25
MONROE	NY390	n/a	Gates	216.25
MONROE	NY390	n/a	Greece	216.25
MONROE	I490	n/a	Riga	215.75
MONROE	NY104	n/a	Webster	215.5
MONROE	I590	n/a	Brighton	215.5
MONROE	I590	n/a	Brighton	215.5
GENESEE	US20	n/a	Alexander	215.25
LIVINGSTON	I390	n/a	North Dansville	215
LIVINGSTON	NY258	n/a	Mount Morris	214.5
MONROE	947A	Lake Ontario St Pkwy	Greece	213.5
MONROE	947A	Lake Ontario St Pkwy	Greece	213.5
LIVINGSTON	I390	n/a	Groveland	212.75
MONROE	947A	Lake Ontario St Pkwy	Greece	211.75
GENESEE	NY5	n/a	Batavia	210.5
MONROE	I490	n/a	Perinton	210
SENECA	I90	NYS Thruway	Junius	210
MONROE	I490	n/a	Pittsford	209.5
MONROE	NY390	n/a	Greece	209.5
MONROE	NY390	n/a	Greece	209.5
MONROE	I490	n/a	Gates	209.5
MONROE	NY104	n/a	Webster	208.75
MONROE	NY590	n/a	Irondequoit	208.75
MONROE	NY590	n/a	Brighton	208.75
MONROE	I590	n/a	Brighton	208.75
GENESEE	NY63	n/a	Pavilion	207.5
WYOMING	NY39	W MAIN ST	Arcade	207.25
WYOMING	NY98	n/a	Sheldon	206

County	Route	Road Name	Municipality	Asset Vulnerability Score
WAYNE	NY104	n/a	Huron	205.5
WYOMING	n/a	BUFFALO RD CR 1	Warsaw	205.5
GENESEE	NY77	n/a	Darien	205
MONROE	I490	n/a	Rochester	205
MONROE	I490	n/a	Rochester	205
MONROE	I490	n/a	Rochester	205
MONROE	I490	n/a	Rochester	205
MONROE	I390	n/a	Brighton	205
MONROE	I490	n/a	Rochester	205
MONROE	I490	n/a	Chili	204.75
WAYNE	NY31	FORGHAM RD	Lyons	204.75
MONROE	I590	n/a	Brighton	204.25
MONROE	NY253	n/a	Henrietta	204.25
LIVINGSTON	NY63	n/a	Groveland	204
WYOMING	n/a	MAIN ST	Wyoming	203.75
ONTARIO	NY21	MAIN ST	Naples	203.5
MONROE	I490	n/a	Pittsford	203.25
MONROE	I490	n/a	Chili	203.25
WYOMING	NY98	E MAIN ST	Arcade	202.75
GENESEE	US20	n/a	Bethany	202.5
MONROE	NY104	n/a	Webster	202.5
MONROE	NY531	n/a	Ogden	202.5
MONROE	940T	n/a	Rochester	201.75
ORLEANS	NY63	n/a	Shelby	201.75
GENESEE	US20	n/a	Darien	201
GENESEE	NY98	n/a	Alexander	200.5
GENESEE	US20	n/a	Darien	200.5
GENESEE	US20	n/a	Darien	200.5
MONROE	I490	n/a	Brighton	200.5
MONROE	I490	n/a	Rochester	200.5
MONROE	NY531	n/a	Ogden	200.5
WYOMING	NY78	n/a	Sheldon	200.5
ONTARIO	I490	n/a	Victor	200.25
YATES	n/a	ITALY VALLEY RD	Potter	200.25
WYOMING	NY98	E MAIN ST	Arcade	199.5
WAYNE	NY31	n/a	Macedon	199
ORLEANS	NY63	n/a	Yates	198.75
GENESEE	NY63	ELLCOTT ST	Batavia	198

County	Route	Road Name	Municipality	Asset Vulnerability Score
LIVINGSTON	I390	n/a	Geneseo	197.75
MONROE	NY390	n/a	Greece	197
WYOMING	NY362	n/a	Eagle	197
GENESEE	NY5	W MAIN ST	Batavia	196.75
MONROE	n/a	UNION ST	Chili	196.75
WAYNE	NY14	BAY ST	Sodus Point	196.75
MONROE	I490	n/a	Pittsford	196
MONROE	I490	n/a	Rochester	196
MONROE	I390	n/a	Gates	196
MONROE	I390	n/a	Gates	196
MONROE	I490	n/a	Gates	196
MONROE	NY252	BEAVER RD	Chili	196
MONROE	I490	n/a	Gates	196
MONROE	NY383	n/a	Chili	196
GENESEE	NY5	n/a	Pembroke	195.75
MONROE	I390	n/a	Rush	195.75
GENESEE	NY63	W MAIN ST	Batavia	195.5
MONROE	NY590	n/a	Irondequoit	195.25
MONROE	NY104	n/a	Rochester	195.25
MONROE	NY104	n/a	Rochester	195.25
MONROE	NY104	n/a	Rochester	195.25
WAYNE	NY104	n/a	Williamson	195.25
WYOMING	NY78	n/a	Java	195.25
MONROE	NY19	n/a	Clarkson	195
LIVINGSTON	I390	n/a	North Dansville	194.75
WYOMING	US20A	E BUFFALO ST	Warsaw	194.5
LIVINGSTON	NY63	n/a	Sparta	194.25
WAYNE	NY88	n/a	Arcadia	194.25
WYOMING	US20A	n/a	Sheldon	194.25
YATES	NY245	n/a	Italy	194.25
WYOMING	NY39	n/a	Eagle	194
WYOMING	US20A	n/a	Sheldon	193.5
LIVINGSTON	US20A	n/a	Geneseo	193
WYOMING	NY19	N MAIN ST	Warsaw	193
GENESEE	NY77	n/a	Darien	192.75
LIVINGSTON	NY15A	n/a	Livonia	192.75
MONROE	NY252	n/a	Brighton	192.5
WAYNE	n/a	W MAIN ST	Wolcott	192.5

County	Route	Road Name	Municipality	Asset Vulnerability Score
LIVINGSTON	NY36	MAIN ST	Mount Morris	192
LIVINGSTON	NY15	n/a	Conesus	192
MONROE	NY31	n/a	Sweden	192
ONTARIO	NY96	n/a	Phelps	192
GENESEE	NY262	BYRON ELBA RD	Byron	191.5
MONROE	I490	n/a	Rochester	191.5
MONROE	I390	n/a	Brighton	191.5
MONROE	I490	n/a	Rochester	191.5
MONROE	I490	n/a	Rochester	191.5
MONROE	I490	n/a	Rochester	191.5
MONROE	I390	n/a	Chili	191.5
MONROE	947A	Lake Ontario St Pkwy	Greece	191.5
LIVINGSTON	NY15	n/a	Springwater	191.25
WAYNE	NY104	n/a	Ontario	191.25
MONROE	NY590	n/a	Irondequoit	190.75
MONROE	NY104	n/a	Irondequoit	190.75
MONROE	NY590	n/a	Brighton	190.75
MONROE	I590	n/a	Rochester	190.75
MONROE	NY104	n/a	Irondequoit	190.75
MONROE	NY104	n/a	Irondequoit	190.75
MONROE	NY104	n/a	Irondequoit	190.75
MONROE	NY104	n/a	Rochester	190.75
ONTARIO	NY5	n/a	Seneca	190.75
GENESEE	NY98	n/a	Batavia	190.5
WAYNE	NY14	GENEVA ST	Lyons	190.5
GENESEE	NY33	W MAIN ST	Batavia	190
MONROE	NY383	n/a	Chili	190
ONTARIO	NY21	MAIN ST	Naples	190
WAYNE	NY89	n/a	Savannah	190
MONROE	NY104	n/a	Clarkson	189.75
MONROE	NY390	n/a	Greece	189.75
WAYNE	NY31	n/a	Galen	189.5
ONTARIO	I90	NYS Thruway	Victor	189.25
YATES	NY54A	n/a	Jerusalem	189.25
MONROE	NY104	n/a	Webster	189
MONROE	NY104	n/a	Webster	189
GENESEE	NY63	n/a	Batavia	188.25
GENESEE	n/a	LEWISTON RD	Alabama	188.25

County	Route	Road Name	Municipality	Asset Vulnerability Score
GENESEE	NY77	n/a	Pembroke	188.25
GENESEE	n/a	I90 EB to I490 NB	Le Roy	188
WYOMING	NY19	MAIN ST	Pike	187.75
GENESEE	US20	n/a	Darien	187.5
GENESEE	US20	BROADWAY RD	Alexander	187.5
GENESEE	US20	n/a	Bethany	187.5
LIVINGSTON	NY436	n/a	Portage	187.5
WYOMING	NY19	n/a	Middlebury	187.5
YATES	NY245	n/a	Middlesex	187.5
LIVINGSTON	NY36	n/a	West Sparta	187.25
LIVINGSTON	NY256	n/a	Livonia	187.25
MONROE	I390	n/a	Henrietta	187
MONROE	I390	n/a	Henrietta	187
MONROE	I390	n/a	Henrietta	187
MONROE	I390	n/a	Henrietta	187
MONROE	NY204	n/a	Gates	187
MONROE	NY404	n/a	Penfield	186.75
WAYNE	NY88	n/a	Arcadia	186.5
WYOMING	NY39	n/a	Pike	186.5
GENESEE	I90	NYS Thruway	Batavia	186
WYOMING	NY78	n/a	Java	186
WYOMING	NY98	LIBERTY ST	Arcade	186
WYOMING	NY98	n/a	Arcade	186
WYOMING	NY19	n/a	Middlebury	186
WYOMING	NY19	n/a	Covington	186
LIVINGSTON	NY408	n/a	Nunda	185.75
MONROE	NY104	n/a	Clarkson	185.75
ORLEANS	NY63	n/a	Shelby	185.75
GENESEE	NY237	n/a	Byron	185.5
MONROE	NY31	n/a	Pittsford	185.25
MONROE	NY104	n/a	Rochester	185.25
MONROE	940T	n/a	Rochester	185.25
WAYNE	NY104	n/a	Huron	185.25
WAYNE	NY350	n/a	Macedon	185.25
ORLEANS	NY98	n/a	Barre	185
WAYNE	n/a	LEACH RD	Lyons	185
GENESEE	NY33	OAK ST	Batavia	184.75
MONROE	NY386	n/a	Chili	184.75

County	Route	Road Name	Municipality	Asset Vulnerability Score
WAYNE	n/a	RIDGE RD	Sodus	184.75
WAYNE	NY31	n/a	Macedon	184.75
GENESEE	NY19	n/a	Le Roy	184.5
LIVINGSTON	I390	n/a	Avon	184.25
WAYNE	NY14	n/a	Sodus	184.25
WAYNE	NY14	n/a	Sodus	184.25
GENESEE	NY98	OAK ST	Batavia	183.75
GENESEE	NY63	ELLCOTT ST	Batavia	183.75
GENESEE	NY63	ELLCOTT ST	Batavia	183.75
LIVINGSTON	NY408	n/a	Mount Morris	183.75
SENECA	NY89	n/a	Varick	183.5
WYOMING	NY238	MAIN ST	Attica	183.5
WYOMING	n/a	EXCHANGE ST RD	Attica	183.5
MONROE	n/a	EXCHANGE BLVD	Rochester	183.25
ONTARIO	NY21	MAIN ST	Naples	183.25
ONTARIO	US20A	n/a	Richmond	183.25
SENECA	NY5	n/a	Tyre	183.25
ONTARIO	NY64	n/a	Bristol	183
ORLEANS	NY18	n/a	Yates	182.75
SENECA	NY89	n/a	Romulus	182.75
ORLEANS	NY31	n/a	Shelby	182.5
ORLEANS	NY31	n/a	Shelby	182.5
GENESEE	NY77	n/a	Pembroke	182.25
WYOMING	NY98	n/a	Attica	182.25
WYOMING	NY39	W MAIN ST	Arcade	182
LIVINGSTON	NY436	n/a	North Dansville	181.75
ONTARIO	NY15A	n/a	Canadice	181.75
WYOMING	NY19	MAIN ST	Gainesville	181.75
WYOMING	NY98	n/a	Java	181.75
YATES	NY54	n/a	Barrington	181.75
MONROE	NY251	n/a	Rush	181.5
WAYNE	NY31	n/a	Galen	181.5
WAYNE	NY14	GENEVA ST	Lyons	181.5
WAYNE	NY31	FORGHAM RD	Lyons	181.5
WYOMING	NY19A	n/a	Genesee Falls	181.5
GENESEE	n/a	ALBION	Oakfield	181.25
GENESEE	NY33	n/a	Pembroke	181.25
WYOMING	NY39	n/a	Castile	181.25

County	Route	Road Name	Municipality	Asset Vulnerability Score
GENESEE	NY5	n/a	Pembroke	180.75
LIVINGSTON	NY256	n/a	Livonia	180.5
MONROE	NY531	n/a	Gates	180.25
WAYNE	NY104	n/a	Ontario	180.25
MONROE	NY252	BEAVER RD	Chili	180
MONROE	n/a	ELMGROVE RD	Greece	180
MONROE	NY383	n/a	Wheatland	180
MONROE	947A	Lake Ontario St Pkwy	Rochester	179.75
ONTARIO	NY21	n/a	Naples	179.75
WYOMING	NY39	n/a	Arcade	179.75
WYOMING	NY39	n/a	Pike	179.75
WYOMING	NY63	n/a	Covington	179.25
GENESEE	NY5	n/a	Le Roy	179
GENESEE	n/a	CREEK RD	Batavia	179
MONROE	947A	Lake Ontario St Pkwy	Hamlin	178.75
GENESEE	n/a	SO MAIN ST	Batavia	178.5
GENESEE	n/a	SO MAIN ST	Batavia	178.5
GENESEE	NY33	PEARL ST	Batavia	178.5
MONROE	NY259	n/a	Ogden	178.5
MONROE	NY104	n/a	Parma	178.5
WAYNE	NY104	n/a	Sodus	178.5
WAYNE	NY14	n/a	Sodus Point	178.5
GENESEE	n/a	BLOOMINGDALE RD	Alabama	178.25
ONTARIO	NY14	n/a	Geneva	178.25
GENESEE	NY63	n/a	Bethany	178
GENESEE	NY5	W MAIN ST	Batavia	178
GENESEE	NY63	n/a	Bethany	178
MONROE	NY259	n/a	Ogden	178
MONROE	NY19	LAKE RD E FORK	Hamlin	178
ORLEANS	NY279	WATERPORT RD	Carlton	178
ORLEANS	NY31	n/a	Ridgeway	178
WAYNE	NY88	n/a	Arcadia	177.75
SENECA	NY31	n/a	Tyre	177.5
GENESEE	NY63	W MAIN ST	Batavia	177.25
WAYNE	n/a	RIDGE RD	Huron	177.25
WAYNE	n/a	RIDGE RD	Huron	177.25
WYOMING	NY78	n/a	Wethersfield	177.25
GENESEE	NY63	ELLCOTT ST	Batavia	177

County	Route	Road Name	Municipality	Asset Vulnerability Score
LIVINGSTON	NY436	n/a	Nunda	177
LIVINGSTON	NY63	n/a	York	177
ONTARIO	NY64	n/a	Bristol	177
GENESEE	NY98	n/a	Elba	176.75
MONROE	NY18	n/a	Hamlin	176.75
MONROE	I490	n/a	Perinton	176.25
ONTARIO	NY245	n/a	Seneca	176.25
ONTARIO	NY245	n/a	Gorham	176.25
GENESEE	NY5	n/a	Le Roy	176
GENESEE	NY98	n/a	Alexander	176
WAYNE	n/a	QUARRY RD	Sodus	176
WYOMING	n/a	DUTCH HOLLOW RD	Sheldon	176
GENESEE	n/a	STATE ST RD	Batavia	175.75
MONROE	n/a	EXCHANGE BLVD	Rochester	175.75
ONTARIO	NY21	n/a	Canandaigua	175.75
ORLEANS	NY31E	n/a	Shelby	175.75
GENESEE	NY33	n/a	Stafford	175.5
GENESEE	NY98	n/a	Elba	175.5
GENESEE	NY262	DRAKE ST	Elba	175.5
GENESEE	NY5	n/a	Le Roy	175.5
ONTARIO	US20	WESTERN BLVD	Canandaigua	175.5
WAYNE	NY414	n/a	Galen	175.5
WYOMING	NY354	n/a	Bennington	175.5
GENESEE	n/a	LAW ST	Batavia	175.25
MONROE	940T	n/a	Rochester	175.25
MONROE	947A	Lake Ontario St Pkwy	Rochester	175.25
GENESEE	n/a	OAK ORCHARD RD	Elba	175
WAYNE	NY104	n/a	Sodus	175
GENESEE	NY63	n/a	Bethany	174.75
LIVINGSTON	US20	W MAIN ST	Avon	174.75
GENESEE	n/a	E SHELBY RD	Oakfield	174.5
GENESEE	n/a	ALBION	Oakfield	174.5
MONROE	n/a	MANITOU RD	Greece	174.5
GENESEE	NY5	n/a	Pembroke	174
GENESEE	NY63	n/a	Oakfield	174
MONROE	NY36	n/a	Wheatland	174
YATES	NY14A	n/a	Barrington	174
WYOMING	NY19	n/a	Gainesville	173.75

County	Route	Road Name	Municipality	Asset Vulnerability Score
WYOMING	NY39	S MAIN ST	Perry	173.75
MONROE	NY383	n/a	Chili	173.25
MONROE	940L	Howard Rd	Gates	173.25
WAYNE	NY88	n/a	Sodus	173.25
GENESEE	n/a	NY19 to I490 SB	Le Roy	173
MONROE	n/a	LONG POND RD	Greece	173
WAYNE	NY21	n/a	Marion	173
GENESEE	NY98	SO MAIN ST	Batavia	172.75
GENESEE	n/a	CEDAR ST	Batavia	172.5
LIVINGSTON	NY36	n/a	Leicester	172.5
MONROE	n/a	PAUL RD	Chili	172.5
WAYNE	NY31	n/a	Macedon	172.5
WYOMING	NY246	S CENTER ST	Perry	172.5
WYOMING	n/a	E LAKE RD	Castile	172.5
YATES	NY54A	n/a	Jerusalem	172.5
ORLEANS	NY63	n/a	Ridgeway	172.25
WAYNE	NY104	n/a	Wolcott	172.25
GENESEE	NY98	WALNUT ST	Batavia	171.75
LIVINGSTON	NY408	n/a	Groveland	171.75
MONROE	NY31	n/a	Ogden	171.75
MONROE	947A	Lake Ontario St Pkwy	Parma	171.5
WAYNE	n/a	KYLE RD	Wolcott	171.5
WYOMING	US20A	n/a	Orangeville	171.5
MONROE	n/a	LAKE RD	Webster	171.25
MONROE	n/a	LAKE RD	Webster	171.25
ONTARIO	n/a	W BLOOMFIELD-RI	West Bloomfield	171.25
ORLEANS	n/a	SALT WORKS RD	Shelby	171.25
WAYNE	n/a	HYDESVILLE RD	Arcadia	171.25
YATES	NY14A	n/a	Dundee	171.25
GENESEE	NY63	ELLICOTT ST	Batavia	171
MONROE	NY33A	n/a	Gates	171
ORLEANS	NY98	n/a	Gaines	171
GENESEE	US20	n/a	Alexander	170.75
GENESEE	NY237	n/a	Byron	170.5
MONROE	NY404	n/a	Webster	170.5
MONROE	NY404	n/a	Webster	170.5
SENECA	NY89	n/a	Tyre	170.5
GENESEE	NY63	n/a	Pavilion	170.25

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	n/a	HOLT RD	Webster	170.25
MONROE	n/a	N GREECE RD	Greece	170.25
SENECA	NY96	n/a	Ovid	170.25
SENECA	US20	n/a	Waterloo	170.25
WAYNE	NY350	n/a	Walworth	170.25
GENESEE	n/a	WEST SWEDEN	Bergen	170
GENESEE	n/a	WEST SWEDEN	Bergen	170
MONROE	n/a	I490 EB to Howell St	Rochester	170
ORLEANS	NY18	n/a	Carlton	170
WYOMING	n/a	WETHERSFIELD RD	Wethersfield	170
MONROE	NY252	n/a	Henrietta	169.75
MONROE	NY104	n/a	Greece	169.75
MONROE	NY261	n/a	Greece	169.75
MONROE	NY259	n/a	Parma	169.75
MONROE	NY104	n/a	Greece	169.75
SENECA	NY96A	n/a	Romulus	169.75
WAYNE	n/a	RIDGE RD	Ontario	169.75
GENESEE	NY19	CLAY ST	Le Roy	169.5
MONROE	NY441	LINDEN AVE	Brighton	169.5
MONROE	NY383	n/a	Wheatland	169.5
ONTARIO	NY21	n/a	Naples	169.5
ONTARIO	NY21	n/a	Naples	169.5
ONTARIO	NY245	n/a	Seneca	169.5
SENECA	NY96	n/a	Fayette	169.5
GENESEE	n/a	COLBY	Darien	169.25
LIVINGSTON	n/a	E LAKE RD	Livonia	169.25
ORLEANS	NY18	n/a	Yates	169.25
ORLEANS	NY18	n/a	Carlton	169.25
SENECA	NY89	n/a	Covert	169.25
WAYNE	NY31	n/a	Savannah	169.25
WYOMING	US20A	n/a	Orangeville	169.25
MONROE	NY251	n/a	Mendon	169
MONROE	940T	n/a	Rochester	169
MONROE	940T	n/a	Rochester	169
MONROE	n/a	PINNACLE RD	Rush	169
GENESEE	NY5	n/a	Stafford	168.75
LIVINGSTON	NY39	n/a	Leicester	168.75
MONROE	941V	Blossom Rd	Brighton	168.75

County	Route	Road Name	Municipality	Asset Vulnerability Score
WAYNE	NY414	GLASGOW ST	Clyde	168.75
GENESEE	n/a	SO MAIN ST	Batavia	168.5
LIVINGSTON	US20	n/a	Caledonia	168.5
ORLEANS	NY104	n/a	Ridgeway	168.5
ORLEANS	NY104	n/a	Ridgeway	168.5
ORLEANS	NY104	n/a	Murray	168.5
ORLEANS	NY104	n/a	Gaines	168.5
WAYNE	n/a	MAIN ST	Sodus	168.5
LIVINGSTON	NY63	n/a	Groveland	168.25
MONROE	NY252	n/a	Henrietta	168.25
MONROE	NY33	n/a	Riga	168.25
ONTARIO	NY96	n/a	Victor	168.25
ORLEANS	NY31	n/a	Albion	168.25
SENECA	NY96A	n/a	Fayette	168.25
WAYNE	n/a	HOGBACK RD	Savannah	168.25
WAYNE	n/a	CLYDE-HUNTS COR	Galen	168.25
GENESEE	NY262	FORD RD	Elba	168
GENESEE	NY238	n/a	Darien	168
GENESEE	NY77	n/a	Darien	168
LIVINGSTON	NY36	MAIN ST	Mount Morris	168
MONROE	NY104	n/a	Clarkson	168
ONTARIO	NY332	n/a	Canandaigua	168
ORLEANS	NY104	n/a	Murray	168
ORLEANS	NY104	n/a	Murray	168
ORLEANS	NY31	n/a	Murray	168
YATES	NY364	n/a	Potter	168
MONROE	NY31F	n/a	Perinton	167.75
MONROE	NY383	n/a	Wheatland	167.75
ONTARIO	NY14A	n/a	Seneca	167.75
SENECA	US20	n/a	Seneca Falls	167.75
SENECA	US20	n/a	Seneca Falls	167.75
SENECA	US20	n/a	Seneca Falls	167.75
SENECA	US20	n/a	Seneca Falls	167.75
WAYNE	NY21	n/a	Palmyra	167.75
MONROE	n/a	PENFIELD RD	Brighton	167.5
ONTARIO	NY5	EASTERN BLVD	Canandaigua	167.5
WAYNE	n/a	LAKES COR-ROSE	Galen	167.5
LIVINGSTON	NY36	n/a	Mount Morris	167.25

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	NY65	n/a	Pittsford	167.25
ORLEANS	NY31	n/a	Albion	167.25
YATES	NY14A	n/a	Benton	167.25
YATES	NY14A	n/a	Milo	167.25
LIVINGSTON	NY256	n/a	Groveland	167
LIVINGSTON	NY256	n/a	Conesus	167
ONTARIO	n/a	LVNGSTN CL-RIC	Richmond	167
WAYNE	n/a	SAVANNAH SPRING	Savannah	167
WAYNE	n/a	SAVANNAH SPRING	Savannah	167
WAYNE	n/a	LYONS MARENGO	Galen	167
WAYNE	NY31	n/a	Palmyra	167
WAYNE	n/a	WALWORTH MARION	Walworth	167
WYOMING	NY39	MAIN ST	Castile	167
WYOMING	NY39	N MAIN ST	Perry	167
LIVINGSTON	NY256	PERINE ST	Dansville	166.75
MONROE	n/a	FIVE MILE LINE	Webster	166.75
MONROE	NY204	n/a	Gates	166.75
MONROE	n/a	HINKLEYVILLE RD	Parma	166.75
MONROE	n/a	N GREECE RD	Greece	166.75
ORLEANS	NY237	n/a	Murray	166.75
ORLEANS	NY18	n/a	Kendall	166.75
WYOMING	n/a	OATKA RD	Perry	166.75
YATES	NY14	n/a	Benton	166.75
YATES	NY14	n/a	Torrey	166.75
GENESEE	NY63	n/a	Oakfield	166.5
GENESEE	n/a	PEARL ST	Batavia	166.5
GENESEE	NY98	n/a	Batavia	166.5
GENESEE	NY77	n/a	Pembroke	166.5
GENESEE	NY77	n/a	Alabama	166.5
MONROE	940L	Howard Rd	Gates	166.5
MONROE	NY253	n/a	Henrietta	166.5
ORLEANS	NY98	n/a	Albion	166.5
SENECA	NY5	n/a	Seneca Falls	166.5
SENECA	NY5	n/a	Seneca Falls	166.5
SENECA	NY5	n/a	Seneca Falls	166.5
WAYNE	NY441	n/a	Walworth	166.5
ONTARIO	NY245	n/a	Gorham	166.25
WYOMING	NY39	MAIN ST	Castile	166.25

County	Route	Road Name	Municipality	Asset Vulnerability Score
GENESEE	n/a	LAKE	Pembroke	166
MONROE	NY19	n/a	Clarkson	166
MONROE	NY33	n/a	Gates	166
WAYNE	n/a	RIDGE RD	Williamson	166
MONROE	NY104	n/a	Parma	165.75
ONTARIO	US20	n/a	Canandaigua	165.75
WAYNE	NY14	n/a	Sodus	165.75
WYOMING	NY63	n/a	Covington	165.75
GENESEE	n/a	TRANSIT RD	Bethany	165.5
GENESEE	n/a	INDIAN FALLS	Pembroke	165.5
GENESEE	n/a	FARGO	Darien	165.5
GENESEE	n/a	SUMNER RD	Darien	165.5
GENESEE	n/a	N PEMBROKE RD	Pembroke	165.5
MONROE	n/a	LONG POND RD	Gates	165.5
MONROE	n/a	WHEATLAND CTR R	Wheatland	165.5
MONROE	NY33	n/a	Ogden	165.5
MONROE	NY386	COLDWATER RD	Gates	165.5
MONROE	n/a	UNION ST	Wheatland	165.5
MONROE	n/a	GEORGE ST	Wheatland	165.5
MONROE	n/a	IRELAND RD	Clarkson	165.5
MONROE	n/a	LAWTON RD	Clarkson	165.5
MONROE	n/a	PAYNE BEACH RD	Greece	165.5
ONTARIO	NY14	n/a	Phelps	165.5
ORLEANS	NY387	n/a	Murray	165.5
ORLEANS	n/a	YATES-CARLTON T	Yates	165.5
ORLEANS	n/a	KNOWLESVILLE RD	Ridgeway	165.5
ORLEANS	n/a	KNOWLESVILLE RD	Ridgeway	165.5
ORLEANS	n/a	BATES RD	Ridgeway	165.5
WAYNE	n/a	LAKE RD	Ontario	165.5
GENESEE	n/a	DELLINGER AVE	Batavia	165.25
MONROE	NY65	n/a	Mendon	165.25
MONROE	n/a	WINTON RD S	Brighton	165.25
WAYNE	n/a	GANANDA PKWY	Walworth	165.25
WYOMING	n/a	HARDYS RD	Gainesville	165.25
WYOMING	n/a	LAMONT RD	Gainesville	165.25
GENESEE	NY33	PEARL ST	Batavia	165
WAYNE	NY104	n/a	Sodus	165
WYOMING	NY78	n/a	Java	165

County	Route	Road Name	Municipality	Asset Vulnerability Score
GENESEE	NY19	n/a	Le Roy	164.75
GENESEE	NY19	n/a	Bergen	164.75
ORLEANS	NY31A	n/a	Shelby	164.75
MONROE	n/a	FORD ST	Rochester	164.5
WAYNE	n/a	LAKE RD	Williamson	164.5
WYOMING	NY78	n/a	Gainesville	164.5
GENESEE	n/a	SO JACKSON ST	Batavia	164.25
MONROE	n/a	N GREECE RD	Greece	164.25
GENESEE	US20	n/a	Pavilion	164
GENESEE	US20	n/a	Pavilion	164
GENESEE	US20	n/a	Pavilion	164
GENESEE	US20	n/a	Pavilion	164
GENESEE	NY98	n/a	Elba	164
MONROE	NY65	EAST ST	Honeoye Falls	164
SENECA	NY414	n/a	Lodi	164
LIVINGSTON	NY36	n/a	West Sparta	163.75
LIVINGSTON	NY36	n/a	Groveland	163.75
ORLEANS	n/a	KNOWLESVILLE RD	Shelby	163.75
ORLEANS	n/a	EAGLE HARBOR RD	Barre	163.75
ORLEANS	n/a	ROOT RD	Barre	163.75
WAYNE	n/a	RIDGE RD	Huron	163.75
WAYNE	n/a	DUTCH ST	Huron	163.75
GENESEE	NY63	ELLCOTT ST	Batavia	163.5
GENESEE	NY63	ELLCOTT ST	Batavia	163.5
LIVINGSTON	NY36	n/a	Groveland	163.5
MONROE	NY252	n/a	Henrietta	163.5
MONROE	NY104	n/a	Parma	163.5
MONROE	NY104	n/a	Greece	163.5
MONROE	NY259	n/a	Parma	163.5
ORLEANS	NY18	n/a	Carlton	163.5
SENECA	US20	n/a	Waterloo	163.5
LIVINGSTON	NY36	n/a	York	163.25
LIVINGSTON	NY36	n/a	York	163.25
WYOMING	NY19	n/a	Covington	163.25
MONROE	NY104	n/a	Greece	163
ONTARIO	n/a	HUNTS HOLLOW-HO	Canadice	163
ORLEANS	NY31	E CENTER ST	Medina	163
GENESEE	NY33	n/a	Batavia	162.75

County	Route	Road Name	Municipality	Asset Vulnerability Score
GENESEE	NY77	n/a	Alabama	162.75
LIVINGSTON	NY36	NORTH ST	Caledonia	162.75
MONROE	n/a	N GREECE RD	Greece	162.75
LIVINGSTON	n/a	CREEK RD	Mount Morris	162.5
LIVINGSTON	NY15A	n/a	Lima	162.5
MONROE	n/a	MUMFORD RD	Wheatland	162.5
GENESEE	NY33	NY 33	Elba	162.25
LIVINGSTON	US20A	SOUTH ST	Geneseo	162.25
MONROE	n/a	SCHLEGEL RD	Webster	162.25
WAYNE	n/a	WAYNE CENTER-RO	Rose	162.25
WAYNE	n/a	RIDGE RD	Ontario	162.25
WYOMING	NY98	n/a	Attica	162.25
GENESEE	NY19	n/a	Le Roy	162
GENESEE	NY5	n/a	Le Roy	162
LIVINGSTON	NY15	n/a	Livonia	162
ONTARIO	NY96	n/a	Phelps	162
ONTARIO	NY96	n/a	Phelps	162
WAYNE	n/a	LAKE BLUFF RD	Huron	162
GENESEE	n/a	NO STREET RD	Le Roy	161.75
ONTARIO	n/a	I490 SB to I90 EB	Victor	161.75
ORLEANS	NY104	n/a	Murray	161.75
ORLEANS	NY104	n/a	Murray	161.75
ORLEANS	NY31	STATE ST	Holley	161.75
WAYNE	NY31	W GENESEE ST	Clyde	161.75
GENESEE	US20	n/a	Pavilion	161.5
GENESEE	US20	n/a	Pavilion	161.5
MONROE	NY250	n/a	Penfield	161.5
MONROE	NY250	n/a	Fairport	161.25
MONROE	NY19	n/a	Hamlin	161.25
ONTARIO	US20A	n/a	Richmond	161.25
GENESEE	n/a	LOCKPORT RD	Oakfield	161
LIVINGSTON	n/a	WHEATLAND CTR R	Caledonia	161
MONROE	NY286	n/a	Penfield	161
MONROE	n/a	ELMWOOD AVE	Rochester	161
ORLEANS	n/a	SAWYER RD	Carlton	161
WYOMING	n/a	OLD STATE RD	Covington	161
ONTARIO	NY5	n/a	Geneva	160.75
ORLEANS	NY31A	n/a	Clarendon	160.75

County	Route	Road Name	Municipality	Asset Vulnerability Score
WAYNE	n/a	BAUER VANWICKLE	Lyons	160.75
WAYNE	n/a	SLAGHT RD	Huron	160.75
WAYNE	n/a	RIDGE RD	Sodus	160.75
WAYNE	n/a	LAKE RD	Sodus	160.75
WYOMING	NY98	HIGH ST	Attica	160.75
GENESEE	NY63	ELLCOTT ST	Batavia	160.5
LIVINGSTON	NY15A	n/a	Springwater	160.5
ORLEANS	NY31	n/a	Murray	160.5
SENECA	NY96	n/a	Romulus	160.5
SENECA	n/a	RIVER ST	Waterloo	160.5
WAYNE	NY414	GLASGOW ST	Clyde	160.5
YATES	n/a	CHUBB HOLLOW	Milo	160.5
GENESEE	NY33	n/a	Darien	160.25
MONROE	NY31F	n/a	Perinton	160.25
MONROE	NY251	n/a	Wheatland	160.25
MONROE	NY33A	n/a	Chili	160.25
MONROE	NY19	n/a	Sweden	160.25
ONTARIO	NY64	n/a	South Bristol	160.25
ONTARIO	n/a	HALL-POST RD	Seneca	160.25
ONTARIO	NY88	n/a	Phelps	160
MONROE	NY383	ROCHESTER RD	Scottsville	159.75
MONROE	NY19	n/a	Clarkson	159.75
SENECA	NY5	n/a	Waterloo	159.75
MONROE	NY260	WALKER-LAKE ONT	Hamlin	159.5
MONROE	NY18	n/a	Greece	159.5
ORLEANS	n/a	KENT RD	Carlton	159.5
ORLEANS	n/a	HULBERTON RD	Murray	159.5
ORLEANS	n/a	KNOWLESVILLE RD	Ridgeway	159.5
WYOMING	NY436	n/a	Genesee Falls	159.5
WYOMING	NY19A	CUMMINGS AVE	Silver Springs	159.5
WYOMING	NY39	n/a	Gainesville	159.5
WYOMING	NY39	n/a	Pike	159.5
GENESEE	n/a	SUMNER RD	Darien	159.25
GENESEE	n/a	BENNETT RD	Darien	159.25
GENESEE	n/a	PUTNAM RD	Bethany	159.25
LIVINGSTON	n/a	LEONARD ST	Dansville	159.25
MONROE	n/a	BRIGHTON HENRIE	Brighton	159.25
MONROE	NY15A	n/a	Rush	159.25

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	n/a	SPRING ST	Wheatland	159.25
MONROE	n/a	LONG POND RD	Greece	159.25
MONROE	n/a	LAKE SHORE BLVD	Rochester	159.25
ORLEANS	n/a	MURDOCK RD	Yates	159.25
ORLEANS	n/a	PLATTEN RD	Yates	159.25
ORLEANS	n/a	KNOWLESVILLE RD	Ridgeway	159.25
ORLEANS	n/a	EAGLE HARBOR-KN	Gaines	159.25
WYOMING	NY19	n/a	Pike	159.25
WYOMING	n/a	GRIFFITH RD	Genesee Falls	159.25
YATES	n/a	FERGUSON CORNER	Potter	159.25
YATES	n/a	HIMROD RD	Milo	159.25
YATES	NY14A	n/a	Dundee	159.25
LIVINGSTON	NY408	n/a	Nunda	159
MONROE	n/a	FORD ST	Rochester	159
MONROE	947A	Lake Ontario St Pkwy	Hamlin	159
ONTARIO	NY247	N MAIN ST	Rushville	159
ONTARIO	NY14A	n/a	Seneca	159
ONTARIO	n/a	PRE EMPTION RD	Geneva	159
ORLEANS	NY31	MAPLE RIDGE RD	Medina	159
ORLEANS	947A	Lake Ontario St Pkwy	Carlton	159
ORLEANS	947A	Lake Ontario St Pkwy	Carlton	159
SENECA	NY5	n/a	Waterloo	159
WAYNE	n/a	MAIN ST	Marion	159
WYOMING	NY19	n/a	Covington	159
YATES	NY54A	n/a	Jerusalem	159
YATES	NY54A	n/a	Jerusalem	159
YATES	NY54A	n/a	Jerusalem	159
WAYNE	NY370	n/a	Wolcott	158.75
WAYNE	NY370	n/a	Butler	158.75
WAYNE	NY104	n/a	Butler	158.75
WAYNE	NY104	n/a	Wolcott	158.75
GENESEE	n/a	TOWN LINE RD	Bergen	158.5
GENESEE	n/a	CLIFTON AVE	Batavia	158.5
WAYNE	n/a	RIDGE RD	Sodus	158.5
YATES	NY14	n/a	Torrey	158.5
YATES	NY14	n/a	Milo	158.5
YATES	NY14	n/a	Starkey	158.5
GENESEE	NY19	n/a	Le Roy	158.25

County	Route	Road Name	Municipality	Asset Vulnerability Score
LIVINGSTON	NY63	n/a	Groveland	158.25
MONROE	NY31	n/a	Sweden	158.25
MONROE	NY31	n/a	Sweden	158.25
MONROE	NY260	n/a	Clarkson	158.25
MONROE	NY260	n/a	Clarkson	158.25
WAYNE	NY31	n/a	Arcadia	158.25
WAYNE	NY31	n/a	Macedon	158.25
WYOMING	n/a	E LAKE RD	Castile	158.25
WYOMING	n/a	DENTON CORNERS	Genesee Falls	158.25
GENESEE	n/a	RIVER ST	Batavia	158
LIVINGSTON	NY15	n/a	Avon	158
MONROE	NY64	n/a	Mendon	158
MONROE	n/a	BAILEY ROAD	Henrietta	158
MONROE	n/a	LYELL RD	Gates	158
MONROE	n/a	ENGLISH RD	Greece	158
ORLEANS	NY31A	n/a	Shelby	158
ORLEANS	NY237	n/a	Murray	158
ORLEANS	NY31A	n/a	Shelby	158
WYOMING	n/a	HERMITAGE RD	Wethersfield	158
WYOMING	n/a	CHAFEE RD	Java	158
WYOMING	n/a	LAMONT RD	Pike	158
WYOMING	n/a	WETHERSFIELD RD	Wethersfield	158
YATES	n/a	ITALY VALLEY RD	Italy	158
GENESEE	NY237	n/a	Byron	157.75
GENESEE	NY262	TOWN LINE RD	Bergen	157.75
MONROE	n/a	W BLOOMFIELD RD	Mendon	157.75
MONROE	NY65	ONTARIO ST	Honeoye Falls	157.75
MONROE	NY33	n/a	Gates	157.75
MONROE	NY31	n/a	Gates	157.75
MONROE	n/a	LYELL AVE	Rochester	157.75
MONROE	n/a	ELMGROVE RD	Gates	157.75
MONROE	n/a	MANITOU RD	Greece	157.75
MONROE	NY31	n/a	Gates	157.75
MONROE	NY31	n/a	Gates	157.75
MONROE	n/a	E RIVER RD	Rush	157.75
MONROE	NY18	SOUTH AVE	Hilton	157.75
ORLEANS	n/a	EAST SHELBY RD	Shelby	157.75
ORLEANS	NY279	WATERPORT RD	Carlton	157.75

County	Route	Road Name	Municipality	Asset Vulnerability Score
GENESEE	n/a	JACKSON ST	Batavia	157.5
MONROE	n/a	PANORAMA TRAIL	Penfield	157.5
MONROE	NY386	n/a	Chili	157.5
ORLEANS	NY31	S MAIN ST	Medina	157.5
SENECA	NY414	n/a	Seneca Falls	157.5
SENECA	NY96	n/a	Waterloo	157.5
WYOMING	NY246	n/a	Covington	157.5
LIVINGSTON	NY70	n/a	Nunda	157.25
MONROE	940M	Lake Ave	Rochester	157.25
MONROE	NY104	n/a	Rochester	157
WAYNE	n/a	LAKE RD	Williamson	157
GENESEE	NY98	OAK ST	Batavia	156.75
LIVINGSTON	US20	n/a	Lima	156.75
MONROE	NY33A	n/a	Gates	156.75
MONROE	NY104	n/a	Greece	156.75
MONROE	947A	Lake Ontario St Pkwy	Hamlin	156.75
ONTARIO	US20	n/a	West Bloomfield	156.75
ORLEANS	947A	Lake Ontario St Pkwy	Kendall	156.75
ORLEANS	947A	Lake Ontario St Pkwy	Kendall	156.75
WAYNE	NY414	n/a	Rose	156.75
WYOMING	NY78	n/a	Java	156.75
WYOMING	NY77	n/a	Sheldon	156.75
WYOMING	NY77	n/a	Java	156.75
GENESEE	n/a	NORTH BERGEN RD	Bergen	156.5
LIVINGSTON	n/a	MCNINCH RD	Ossian	156.5
MONROE	NY252	W JEFFERSON RD	Pittsford	156.5
MONROE	n/a	CULVER RD	Rochester	156.5
MONROE	n/a	ELMGROVE RD	Greece	156.5
ORLEANS	NY18	n/a	Carlton	156.5
WYOMING	US20A	n/a	Sheldon	156.5
GENESEE	NY63	n/a	Pavilion	156.25
GENESEE	NY63	n/a	Pavilion	156.25
GENESEE	NY63	n/a	Pavilion	156.25
GENESEE	NY63	n/a	Pavilion	156.25
LIVINGSTON	NY36	MAIN ST	Mount Morris	156.25
MONROE	NY31	n/a	Perinton	156.25
MONROE	n/a	ISLAND COTTAGE	Greece	156.25
ONTARIO	n/a	PLASTER MILL RD	Victor	156.25

County	Route	Road Name	Municipality	Asset Vulnerability Score
ONTARIO	n/a	E BLOOMFIELD-AL	Richmond	156.25
ORLEANS	NY31	E CENTER ST	Medina	156.25
WAYNE	n/a	EAST PORT BAY R	Wolcott	156.25
WAYNE	n/a	WAYNE CENTER RD	Sodus	156.25
WAYNE	NY286	ATLANTIC AVE	Walworth	156.25
WAYNE	n/a	EAST BAY RD	Huron	156.25
WAYNE	n/a	EAST PORT BAY	Wolcott	156.25
WYOMING	n/a	HERMITAGE RD	Orangeville	156.25
WYOMING	n/a	POPLAR TREE RD	Wethersfield	156.25
GENESEE	n/a	NORTH	Le Roy	156
MONROE	NY253	THRUWAY PARK DR	Henrietta	156
ONTARIO	NY96	n/a	Manchester	156
SENECA	NY414	n/a	Tyre	156
GENESEE	NY19	n/a	Pavilion	155.75
LIVINGSTON	n/a	PRESBYTERIAN RD	Mount Morris	155.75
ORLEANS	NY104	n/a	Ridgeway	155.75
ORLEANS	NY104	n/a	Ridgeway	155.75
ORLEANS	NY104	n/a	Gaines	155.75
ORLEANS	NY104	n/a	Ridgeway	155.75
WYOMING	NY238	MAIN ST	Attica	155.75
WYOMING	US20A	n/a	Sheldon	155.75
GENESEE	n/a	BANK ST	Elba	155.5
GENESEE	n/a	SOUTH STREET	Le Roy	155.5
LIVINGSTON	US20A	n/a	Livonia	155.5
MONROE	NY259	n/a	Ogden	155.5
MONROE	NY259	UNION ST	Spencerport	155.5
WAYNE	n/a	WATER ST	Lyons	155.5
GENESEE	NY33	n/a	Le Roy	155.25
MONROE	NY250	n/a	Penfield	155.25
MONROE	n/a	NY531 to I490 EB	Gates	155.25
MONROE	n/a	EAST AVE	Brockport	155.25
WAYNE	n/a	LUMMISVILLE RD	Huron	155.25
WYOMING	NY77	n/a	Bennington	155.25
WYOMING	NY98	MARKET ST	Attica	155.25
WYOMING	NY354	n/a	Bennington	155.25
LIVINGSTON	US20	n/a	York	155
LIVINGSTON	US20	n/a	York	155
MONROE	n/a	WINTON RD S	Brighton	155

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	NY441	n/a	Penfield	155
WAYNE	NY89	n/a	Savannah	155
WYOMING	n/a	FOLSOMDALE RD	Bennington	155
GENESEE	n/a	STARR	Pavilion	154.75
GENESEE	n/a	N BYRON RD	Byron	154.75
GENESEE	n/a	BROOKVILLE RD	Alexander	154.75
GENESEE	n/a	OAK ORCHARD RD	Elba	154.75
SENECA	NY318	n/a	Tyre	154.75
SENECA	NY96	n/a	Fayette	154.75
WYOMING	n/a	CHURCH RD	Bennington	154.75
GENESEE	NY63	n/a	Bethany	154.5
GENESEE	NY5	n/a	Pembroke	154.5
MONROE	NY33A	n/a	Riga	154.5
MONROE	NY383	MAIN ST	Scottsville	154.5
MONROE	NY36	n/a	Churchville	154.5
MONROE	NY18	n/a	Hamlin	154.5
ORLEANS	NY18	n/a	Yates	154.5
ORLEANS	NY31A	n/a	Albion	154.5
WYOMING	NY77	n/a	Bennington	154.5
GENESEE	n/a	LOCKPORT RD	Elba	154.25
GENESEE	n/a	LOCKPORT RD	Elba	154.25
LIVINGSTON	NY5	n/a	Caledonia	154.25
MONROE	NY404	n/a	Webster	154.25
SENECA	NY96	n/a	Covert	154.25
MONROE	NY404	W MAIN ST	Webster	154
MONROE	NY252	n/a	Henrietta	154
MONROE	947A	Lake Ontario St Pkwy	Greece	154
MONROE	n/a	FAYETTE ST	Brockport	154
ONTARIO	n/a	PRE EMPTION RD	Geneva	154
GENESEE	NY77	n/a	Pembroke	153.75
GENESEE	NY63	n/a	Oakfield	153.75
LIVINGSTON	NY36	NORTH ST	Caledonia	153.75
LIVINGSTON	NY36	STATE ST	Caledonia	153.75
MONROE	n/a	WEST AVE	Clarkson	153.75
ONTARIO	NY332	n/a	Farmington	153.75
WAYNE	NY31F	n/a	Macedon	153.75
YATES	NY14A	n/a	Barrington	153.75
GENESEE	NY33	n/a	Pembroke	153.5

County	Route	Road Name	Municipality	Asset Vulnerability Score
GENESEE	NY33	n/a	Darien	153.5
MONROE	NY441	n/a	Penfield	153.5
MONROE	n/a	WHITNEY RD	Perinton	153.5
MONROE	n/a	OLD RIDGE RD	Webster	153.5
ORLEANS	NY63	MAIN ST	Lyndonville	153.5
ORLEANS	NY98	n/a	Gaines	153.5
WYOMING	NY19A	CUMMINGS AVE	Silver Springs	153.5
LIVINGSTON	NY63	n/a	North Dansville	153.25
LIVINGSTON	NY256	n/a	Geneseo	153.25
MONROE	n/a	FIVE MILE LINE	Webster	153.25
MONROE	NY261	n/a	Greece	153.25
MONROE	n/a	LAKE RD	Webster	153.25
MONROE	NY261	n/a	Greece	153.25
MONROE	NY18	n/a	Greece	153.25
ORLEANS	NY269	n/a	Somerset	153.25
ORLEANS	NY237	n/a	Murray	153.25
ORLEANS	NY18	n/a	Kendall	153.25
ORLEANS	n/a	RICHS CORNER RD	Albion	153.25
ORLEANS	NY31	n/a	Ridgeway	153.25
ORLEANS	NY237	n/a	Kendall	153.25
ORLEANS	NY31	n/a	Albion	153.25
ORLEANS	NY237	n/a	Kendall	153.25
ORLEANS	n/a	WATERPORT-CARLT	Carlton	153.25
ORLEANS	NY237	n/a	Murray	153.25
ORLEANS	NY31	n/a	Albion	153.25
SENECA	n/a	NORTH RD	Waterloo	153.25
YATES	NY14	n/a	Torrey	153.25
MONROE	n/a	E RIVER RD	Henrietta	153
MONROE	n/a	E RIVER RD	Henrietta	153
MONROE	n/a	LEHIGH STA RD	Henrietta	153
MONROE	NY259	LAKE AVE	Hilton	153
WAYNE	NY21	n/a	Williamson	153
MONROE	NY15	n/a	Henrietta	152.75
MONROE	n/a	RIDGEWAY AVE	Greece	152.75
MONROE	n/a	WEST SIDE DR	Chili	152.75
MONROE	n/a	CULVER RD	Irondequoit	152.75
ONTARIO	NY64	n/a	East Bloomfield	152.75
MONROE	NY260	n/a	Sweden	152.5

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	NY19	n/a	Sweden	152.5
MONROE	NY260	n/a	Clarkson	152.5
MONROE	n/a	LAKESHORE BLVD	Irondequoit	152.5
WYOMING	NY19	n/a	Pike	152.5
WYOMING	n/a	CURRIERS RD	Arcade	152.5
WYOMING	n/a	GRIFFITH RD	Pike	152.5
GENESEE	n/a	SO LIBERTY ST	Batavia	152.25
MONROE	NY36	n/a	Wheatland	152.25
MONROE	NY36	n/a	Wheatland	152.25
MONROE	NY36	n/a	Churchville	152.25
MONROE	NY36	n/a	Riga	152.25
MONROE	NY36	n/a	Wheatland	152.25
ONTARIO	NY53	n/a	Naples	152.25
ONTARIO	NY14	n/a	Geneva	152.25
ORLEANS	947A	Lake Ontario St Pkwy	Carlton	152.25
WAYNE	NY14	n/a	Sodus	152.25
WYOMING	NY98	n/a	Java	152.25
WYOMING	NY246	n/a	Perry	152.25
WYOMING	n/a	PERRY AVE	Silver Springs	152.25
YATES	NY247	n/a	Rushville	152.25
GENESEE	n/a	LAKE	Pembroke	152
GENESEE	n/a	INDIAN FALLS	Pembroke	152
LIVINGSTON	n/a	IROQUOIS RD	Caledonia	152
MONROE	n/a	WINTON RD N	Rochester	152
MONROE	n/a	LONG POND RD	Greece	152
MONROE	NY31	REDMAN RD	Sweden	152
MONROE	n/a	ATTRIDGE RD	Riga	152
MONROE	NY31	REDMAN RD	Sweden	152
MONROE	n/a	VINTAGE LA	Greece	152
MONROE	NY18	n/a	Greece	152
MONROE	n/a	BRICK SCHOOL HO	Hamlin	152
MONROE	NY260	WALKER-LAKE ONT	Hamlin	152
MONROE	n/a	LONG POND RD	Greece	152
MONROE	n/a	MAIDEN LA	Greece	152
ONTARIO	NY364	n/a	Canandaigua	152
ONTARIO	n/a	FISHERS CRNRS-B	Bristol	152
ORLEANS	NY272	n/a	Murray	152
ORLEANS	n/a	SAWYER RD	Carlton	152

County	Route	Road Name	Municipality	Asset Vulnerability Score
ORLEANS	n/a	KENT RD	Gaines	152
ORLEANS	n/a	EAGLE HARBOR RD	Gaines	152
ORLEANS	n/a	EAGLE HARBOR RD	Gaines	152
ORLEANS	n/a	KENT RD	Gaines	152
ORLEANS	n/a	KENT RD	Gaines	152
ORLEANS	n/a	KENT RD	Gaines	152
ORLEANS	n/a	KENT RD	Carlton	152
ORLEANS	n/a	KENT RD	Carlton	152
ORLEANS	n/a	KENT RD	Gaines	152
ORLEANS	n/a	KNOWLESVILLE RD	Ridgeway	152
ORLEANS	n/a	KNOWLESVILLE RD	Ridgeway	152
ORLEANS	NY272	n/a	Kendall	152
ORLEANS	n/a	TELEGRAPH RD	Murray	152
WAYNE	n/a	LAKE RD	Ontario	152
GENESEE	n/a	SWAN ST	Batavia	151.75
GENESEE	n/a	SO JACKSON ST	Batavia	151.75
GENESEE	n/a	FLORENCE AVE	Batavia	151.75
GENESEE	n/a	HARVESTER AVE	Batavia	151.75
GENESEE	n/a	ELLCOTT AVE	Batavia	151.75
MONROE	NY251	n/a	Mendon	151.75
MONROE	NY15A	n/a	Rush	151.75
MONROE	NY15A	n/a	Mendon	151.75
MONROE	n/a	STONY POINT RD	Ogden	151.75
ONTARIO	n/a	WEST LAKE RD	Canandaigua	151.75
ONTARIO	n/a	CANANDAIGUA BRI	Canandaigua	151.75
WYOMING	n/a	MIDDLE RSRVATIO	Castile	151.75
WYOMING	n/a	SUCKERBROOK RD	Perry	151.75
WYOMING	n/a	LAMONT RD	Pike	151.75
WYOMING	n/a	GLEN IRIS RD	Castile	151.75
WYOMING	n/a	SILVER SPRINGS	Gainesville	151.75
WYOMING	n/a	DEWITT RD	Pike	151.75
WYOMING	n/a	LAMONT RD	Pike	151.75
YATES	NY14	n/a	Milo	151.75
GENESEE	n/a	E. BETHANY-LEROY RD	Le Roy	151.5
LIVINGSTON	NY15	n/a	Springwater	151.5
MONROE	NY31	n/a	Ogden	151.5
MONROE	n/a	PAUL RD	Chili	151.5
MONROE	NY31	n/a	Ogden	151.5

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	NY260	n/a	Clarkson	151.5
ONTARIO	NY14A	n/a	Seneca	151.5
ORLEANS	NY98	n/a	Gaines	151.5
WAYNE	NY350	n/a	Walworth	151.5
YATES	NY14A	n/a	Dundee	151.5
MONROE	NY15A	n/a	Henrietta	151.25
MONROE	NY15	n/a	Brighton	151.25
MONROE	NY15	n/a	Rush	151.25
MONROE	943F	PATTONWOOD DRIVE	Rochester	151.25
WYOMING	US20A	n/a	Perry	151.25
YATES	NY54	n/a	Penn Yan	151.25
GENESEE	NY5	W MAIN ST	Batavia	151
GENESEE	NY5	W MAIN ST	Batavia	151
GENESEE	NY5	W MAIN ST	Batavia	151
GENESEE	NY5	W MAIN ST	Batavia	151
LIVINGSTON	US20A	n/a	Geneseo	151
MONROE	n/a	GENESEE ST	Rochester	151
MONROE	NY33A	n/a	Gates	151
MONROE	n/a	BUFFALO RD	Rochester	151
MONROE	n/a	CHILI AVE	Rochester	151
MONROE	n/a	HOLT RD	Webster	151
MONROE	n/a	LAKE RD	Webster	151
MONROE	NY33	n/a	Gates	151
ONTARIO	n/a	SALTONSTALL ST	Canandaigua	151
ORLEANS	NY279	n/a	Gaines	151
ORLEANS	n/a	WATERPORT RD	Carlton	151
ORLEANS	NY279	WATERPORT RD	Carlton	151
ORLEANS	NY279	GAINES RD	Carlton	151
ORLEANS	n/a	BATES RD	Medina	151
SENECA	NY96A	n/a	Fayette	151
WAYNE	NY89	n/a	Savannah	151
WAYNE	n/a	AUBURN ST	Wolcott	151
WAYNE	NY104A	n/a	Wolcott	151
WAYNE	n/a	RIDGE RD	Wolcott	151
YATES	NY54	n/a	Milo	151
GENESEE	NY19	LAKE AVE	Bergen	150.75
GENESEE	NY33	n/a	Bergen	150.75
GENESEE	NY33A	n/a	Bergen	150.75

County	Route	Road Name	Municipality	Asset Vulnerability Score
GENESEE	NY33	n/a	Bergen	150.75
GENESEE	NY98	OAK ST	Batavia	150.75
GENESEE	NY33	n/a	Bergen	150.75
LIVINGSTON	NY15	n/a	Conesus	150.75
MONROE	NY251	n/a	Rush	150.75
MONROE	940K	Mount Read Blvd	Rochester	150.75
MONROE	n/a	WEGMAN RD	Gates	150.75
ONTARIO	NY5	n/a	Geneva	150.75
ONTARIO	US20	n/a	Geneva	150.75
SENECA	NY96	n/a	Waterloo	150.75
LIVINGSTON	NY436	n/a	Portage	150.5
LIVINGSTON	NY70	n/a	Portage	150.5
MONROE	n/a	THORNELL RD	Pittsford	150.5
MONROE	940J	MONROE ST	Honeoye Falls	150.5
MONROE	NY15A	n/a	Henrietta	150.5
MONROE	n/a	RUSH-WEST RUSH	Rush	150.5
ONTARIO	n/a	CANANDAIGUA-HOP	Canandaigua	150.5
WYOMING	NY238	n/a	Attica	150.5
LIVINGSTON	n/a	SLIKER HILL RD	Conesus	150.25
LIVINGSTON	NY63	n/a	North Dansville	150.25
MONROE	n/a	BOUGHTON HILL R	Mendon	150.25
MONROE	NY404	n/a	Webster	150.25
MONROE	NY404	n/a	Webster	150.25
SENECA	NY336	n/a	Fayette	150.25
WYOMING	n/a	OLD STATE RD	Covington	150.25
WYOMING	n/a	SIMMONS RD	Covington	150.25
WYOMING	n/a	SIMMONS RD	Perry	150.25
WYOMING	n/a	PEORIA RD	Covington	150.25
YATES	NY364	n/a	Middlesex	150.25
MONROE	NY286	n/a	Penfield	150
MONROE	n/a	W MAIN ST	Honeoye Falls	150
SENECA	NY96	n/a	Waterloo	150
WYOMING	NY246	n/a	Covington	150
MONROE	NY441	n/a	Penfield	149.75
ONTARIO	NY14	n/a	Geneva	149.75
SENECA	NY5	n/a	Waterloo	149.75
WAYNE	n/a	WALWORTH MARION	Marion	149.75
WYOMING	n/a	PERRY RD	Sheldon	149.75

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	n/a	PLANK RD	Penfield	149.5
MONROE	NY441	n/a	Brighton	149.5
MONROE	n/a	ELMWOOD AVE	Brighton	149.5
MONROE	NY104	n/a	Rochester	149.5
MONROE	NY104	n/a	Greece	149.5
MONROE	NY104	n/a	Greece	149.5
MONROE	NY104	n/a	Greece	149.5
MONROE	NY104	n/a	Greece	149.5
MONROE	940K	Mount Read Blvd	Rochester	149.5
MONROE	NY204	n/a	Gates	149.5
MONROE	NY104	n/a	Rochester	149.5
ONTARIO	NY96	E MAIN ST	Victor	149.5
WAYNE	n/a	MARION-E WILLIA	Marion	149.5
WAYNE	n/a	LAKE RD	Williamson	149.5
WAYNE	NY414	n/a	Rose	149.5
WYOMING	n/a	CURRIERS RD	Java	149.5
LIVINGSTON	NY15	n/a	Conesus	149.25
LIVINGSTON	NY436	n/a	Ossian	149.25
WAYNE	n/a	LAKE BLUFF RD	Huron	149.25
WAYNE	NY104A	WOLCOTT ST	Red Creek	149.25
WYOMING	NY78	n/a	Sheldon	149.25
LIVINGSTON	n/a	SPRINGWATER RD	Sparta	149
LIVINGSTON	n/a	PRESBYTERIAN RD	West Sparta	149
MONROE	n/a	N LINCOLN RD	East Rochester	149
MONROE	n/a	BLUFF DR	East Rochester	149
MONROE	n/a	BLUFF DR	East Rochester	149
ONTARIO	NY5	n/a	Canandaigua	149
ORLEANS	NY18	n/a	Yates	149
SENECA	n/a	n/a	Covert	149
WYOMING	US20A	n/a	Perry	149
GENESEE	n/a	ATTICA RD	Alexander	148.75
MONROE	NY250	NORTH AVE	Webster	148.75
MONROE	n/a	TITUS AVE	Irondequoit	148.75
MONROE	n/a	BRIGHTON HENRIE	Brighton	148.75
MONROE	NY15	n/a	Henrietta	148.75
ONTARIO	NY21	MAIN ST	Manchester	148.75
ONTARIO	n/a	PADELFORD-FARMI	Farmington	148.75
ONTARIO	n/a	W BLOOMFIELD-RI	West Bloomfield	148.75

County	Route	Road Name	Municipality	Asset Vulnerability Score
ORLEANS	NY98	n/a	Carlton	148.75
SENECA	NY89	n/a	Seneca Falls	148.75
WAYNE	n/a	PLANK RD	Walworth	148.75
WYOMING	NY354	n/a	Bennington	148.75
LIVINGSTON	NY39	n/a	Leicester	148.5
MONROE	n/a	ELMWOOD & RDWY	Rochester	148.5
ONTARIO	NY96	n/a	Phelps	148.5
ONTARIO	n/a	MANCHESTER CTR	Manchester	148.5
GENESEE	n/a	LEWISTON RD	Alabama	148.25
GENESEE	US20	n/a	Pavilion	148.25
LIVINGSTON	n/a	FEDERAL RD	Conesus	148.25
MONROE	NY441	n/a	Penfield	148.25
MONROE	n/a	ST PAUL ST	Rochester	148.25
MONROE	n/a	GENESEE ST	Rochester	148.25
MONROE	NY31	n/a	Clarkson	148.25
MONROE	n/a	BAY RD	Webster	148.25
ORLEANS	NY104	n/a	Murray	148.25
ORLEANS	NY104	n/a	Murray	148.25
ORLEANS	NY104	n/a	Gaines	148.25
ORLEANS	NY104	n/a	Gaines	148.25
ORLEANS	NY31	W ALBION ST	Holley	148.25
ORLEANS	NY104	n/a	Gaines	148.25
ORLEANS	NY104	n/a	Gaines	148.25
ORLEANS	NY31	W ALBION ST	Holley	148.25
ORLEANS	NY104	n/a	Ridgeway	148.25
ORLEANS	NY104	n/a	Murray	148.25
LIVINGSTON	US20A	n/a	Livonia	148
LIVINGSTON	US20A	SOUTH ST	Geneseo	148
LIVINGSTON	NY15	n/a	Livonia	148
MONROE	NY19	MAIN ST	Brockport	148
ONTARIO	NY96	n/a	Phelps	148
ONTARIO	NY96	n/a	Victor	148
WAYNE	NY89	n/a	Savannah	148
WAYNE	n/a	WATER ST	Lyons	148
WAYNE	n/a	SKINNER RD	Marion	148
GENESEE	n/a	LEWISTON RD	Alabama	147.75
GENESEE	NY238	n/a	Alexander	147.75
MONROE	NY383	n/a	Wheatland	147.75

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	NY386	CHILL AVE	Scottsville	147.75
MONROE	n/a	EAST AVE	Clarkson	147.75
MONROE	NY259	NORTH AVE	Parma	147.75
MONROE	NY590	n/a	Irondequoit	147.75
ORLEANS	NY31A	n/a	Albion	147.75
SENECA	NY414	n/a	Fayette	147.75
WYOMING	NY354	n/a	Bennington	147.75
WYOMING	NY354	n/a	Bennington	147.75
GENESEE	n/a	NO STREET RD	Le Roy	147.5
LIVINGSTON	NY63	GENESEE ST	Geneseo	147.5
LIVINGSTON	n/a	FOWLerville RD	York	147.5
LIVINGSTON	n/a	FOWLerville RD	Avon	147.5
LIVINGSTON	n/a	RIVER RD SOUTHERN SECTION	Leicester	147.5
MONROE	NY153	n/a	East Rochester	147.5
MONROE	n/a	I490 WB to NY96	Perinton	147.5
MONROE	NY31	n/a	Brighton	147.5
MONROE	NY31	n/a	Brighton	147.5
MONROE	n/a	CLINTON AVE S	Brighton	147.5
MONROE	n/a	WINTON RD S	Brighton	147.5
MONROE	n/a	AVENUE E	Rochester	147.5
MONROE	n/a	BAUSCH ST	Rochester	147.5
MONROE	n/a	BROOKS AVE	Rochester	147.5
MONROE	NY19	n/a	Sweden	147.5
MONROE	n/a	PLANK RD	Penfield	147.5
ONTARIO	n/a	ORLEANS-FLINTHI	Phelps	147.5
ORLEANS	NY98	n/a	Barre	147.5
WYOMING	n/a	BULLIS RD	Bennington	147.5
YATES	NY14A	n/a	Benton	147.5
YATES	NY14A	n/a	Benton	147.5
LIVINGSTON	NY5	E MAIN ST	Avon	147.25
MONROE	NY250	n/a	Penfield	147.25
MONROE	n/a	MONROE WAYNE CL	Webster	147.25
WAYNE	n/a	CLYDE-MARENGO R	Galen	147.25
WAYNE	NY31	E MAIN ST	Palmyra	147.25
WAYNE	NY31	W MAIN ST	Palmyra	147.25
WAYNE	n/a	RIDGE RD	Williamson	147.25
WAYNE	n/a	OLD PREEMPTION	Lyons	147.25
WAYNE	n/a	MAPLE AVE	Sodus	147.25

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	NY250	n/a	Fairport	147
MONROE	n/a	SOUTH AVE	Rochester	147
MONROE	n/a	COURT ST	Rochester	147
MONROE	n/a	SOUTH AVE	Rochester	147
ONTARIO	US20	n/a	Seneca	147
ONTARIO	NY5	n/a	Seneca	147
ONTARIO	NY5	n/a	Hopewell	147
ONTARIO	NY5	n/a	Hopewell	147
ORLEANS	NY31	n/a	Murray	147
ORLEANS	NY31	n/a	Murray	147
ORLEANS	NY31	n/a	Murray	147
ORLEANS	NY31	n/a	Murray	147
ORLEANS	NY31	n/a	Murray	147
ORLEANS	NY31	n/a	Murray	147
ORLEANS	NY31	n/a	Albion	147
YATES	NY364	n/a	Potter	147
LIVINGSTON	NY36	n/a	Caledonia	146.75
MONROE	NY18	DEWEY AVE	Rochester	146.75
MONROE	NY33A	n/a	Gates	146.75
MONROE	NY259	n/a	Chili	146.75
MONROE	NY18	DEWEY AVE	Greece	146.75
MONROE	n/a	LAKE RD	Webster	146.75
ORLEANS	NY237	KENDALL RD	Kendall	146.75
GENESEE	n/a	BANK ST	Batavia	146.5
GENESEE	n/a	EAST SAILE DR	Batavia	146.5
LIVINGSTON	NY63	MAIN ST	Dansville	146.5
LIVINGSTON	n/a	JEFFERSON ST	Dansville	146.5
MONROE	n/a	WINTON RD S	Henrietta	146.5
MONROE	n/a	PLYMOUTH AVE S	Rochester	146.5
MONROE	n/a	MORGAN RD	Chili	146.5
MONROE	NY18	n/a	Hamlin	146.5
MONROE	n/a	LONG POND RD	Greece	146.5
ONTARIO	NY364	n/a	Gorham	146.5
YATES	n/a	HIMROD RD	Milo	146.5
GENESEE	NY237	n/a	Stafford	146.25
GENESEE	NY5	n/a	Stafford	146.25
GENESEE	NY33	n/a	Stafford	146.25
GENESEE	NY63	n/a	Alabama	146.25

County	Route	Road Name	Municipality	Asset Vulnerability Score
GENESEE	NY77	n/a	Alabama	146.25
GENESEE	NY5	n/a	Stafford	146.25
LIVINGSTON	NY36	STATE ST	Caledonia	146.25
LIVINGSTON	NY36	STATE ST	Caledonia	146.25
MONROE	NY251	n/a	Rush	146.25
MONROE	NY33A	n/a	Chili	146.25
MONROE	NY19	n/a	Sweden	146.25
MONROE	NY19	n/a	Hamlin	146.25
MONROE	NY19	n/a	Hamlin	146.25
MONROE	NY19	n/a	Hamlin	146.25
MONROE	n/a	WEST AVE	Clarkson	146.25
ORLEANS	NY98	n/a	Albion	146.25
SENECA	NY96A	n/a	Ovid	146.25
LIVINGSTON	n/a	MIDDLE RD	Caledonia	146
MONROE	NY96	n/a	Pittsford	146
MONROE	n/a	PLANK RD	Penfield	146
ONTARIO	NY245	GORHAM RD	Rushville	146
ONTARIO	NY64	n/a	Bristol	146
WYOMING	NY436	n/a	Genesee Falls	146
WYOMING	NY39	S MAIN ST	Perry	146
WYOMING	NY39	n/a	Eagle	146
WYOMING	NY19	n/a	Pike	146
WYOMING	NY19A	n/a	Castile	146
WYOMING	NY19A	n/a	Castile	146
WYOMING	NY39	n/a	Perry	146
GENESEE	n/a	TOWN LINE RD	Elba	145.75
GENESEE	n/a	WEST SAILE DR	Batavia	145.75
GENESEE	n/a	DODGESON RD	Alexander	145.75
GENESEE	n/a	TOWN LINE RD	Batavia	145.75
LIVINGSTON	n/a	GIBSON ST	Dansville	145.75
MONROE	n/a	LYNDON RD	Perinton	145.75
MONROE	n/a	SPENCERPORT RD	Ogden	145.75
MONROE	NY33	n/a	Ogden	145.75
MONROE	n/a	COLBY ST	Ogden	145.75
MONROE	n/a	GILMAN RD	Riga	145.75
MONROE	n/a	W SWEDEN RD	Sweden	145.75
MONROE	n/a	DEWEY ST	Ogden	145.75
MONROE	n/a	COUNTY LINE RD	Clarkson	145.75

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	NY18	n/a	Greece	145.75
MONROE	NY261	n/a	Greece	145.75
MONROE	n/a	REDMAN RD	Clarkson	145.75
MONROE	n/a	WILDER RD	Parma	145.75
MONROE	n/a	LAKE SHORE BLVD	Rochester	145.75
ONTARIO	US20A	n/a	Bristol	145.75
ONTARIO	US20A	n/a	Bristol	145.75
ORLEANS	n/a	LYNDONVILLE RD	Yates	145.75
ORLEANS	n/a	MILL RD	Ridgeway	145.75
ORLEANS	n/a	CREEK RD	Kendall	145.75
ORLEANS	n/a	DENSMORE RD	Gaines	145.75
ORLEANS	n/a	TRANSIT RD	Murray	145.75
ORLEANS	n/a	OAK ORCHARD RVR	Carlton	145.75
ORLEANS	NY31	n/a	Albion	145.75
SENECA	NY89	n/a	Fayette	145.75
YATES	n/a	FERGUSON CORNER	Benton	145.75
YATES	n/a	DUNDEE HIMROD	Starkey	145.75
YATES	n/a	CENTRAL AVE	Jerusalem	145.75
LIVINGSTON	NY408	n/a	Mount Morris	145.5
MONROE	NY251	n/a	Mendon	145.5
MONROE	NY251	n/a	Mendon	145.5
MONROE	NY64	n/a	Mendon	145.5
MONROE	n/a	ERIE STA RD	Henrietta	145.5
SENECA	NY96	n/a	Varick	145.5
WAYNE	n/a	MAPLE AVE	Palmyra	145.5
MONROE	n/a	LONG POND RD	Greece	145.25
MONROE	n/a	MANITOU RD	Gates	145.25
MONROE	NY33	n/a	Gates	145.25
MONROE	n/a	RIDGEWAY AVE	Greece	145.25
MONROE	n/a	ENGLISH RD	Greece	145.25
MONROE	n/a	REDMAN RD	Hamlin	145.25
MONROE	n/a	LONG POND RD	Greece	145.25
MONROE	n/a	LONG POND RD	Greece	145.25
MONROE	n/a	LONG POND RD	Greece	145.25
MONROE	n/a	DEWEY AVE	Greece	145.25
MONROE	NY18	DEWEY AVE	Greece	145.25
MONROE	n/a	CULVER RD	Irondequoit	145.25
ORLEANS	n/a	HURD RD	Murray	145.25

County	Route	Road Name	Municipality	Asset Vulnerability Score
ORLEANS	n/a	TELEGRAPH RD	Murray	145.25
ORLEANS	NY272	n/a	Kendall	145.25
ORLEANS	NY279	WATERPORT RD	Carlton	145.25
WYOMING	n/a	CHAFFEE RD	Java	145.25
YATES	n/a	GUYANOGA RD	Jerusalem	145.25
YATES	n/a	DUNDEE GLENORA	Starkey	145.25
GENESEE	NY262	TOWN LINE RD	Byron	145
GENESEE	NY19	LAKE AVE	Bergen	145
MONROE	n/a	SALT RD	Webster	145
MONROE	NY31F	n/a	Fairport	145
MONROE	n/a	WHITNEY RD	Perinton	145
MONROE	n/a	LYELL AVE	Rochester	145
MONROE	n/a	KLEM RD	Webster	145
MONROE	n/a	KLEM RD	Webster	145
MONROE	n/a	KLEM RD	Webster	145
ONTARIO	n/a	PRE EMPTION RD	Geneva	145
WAYNE	n/a	ONTARIO CTR RD	Ontario	145
WAYNE	n/a	LAKE AVE	Williamson	145
WAYNE	n/a	CAYWOOD RD	Wolcott	145
WYOMING	n/a	EAST KOY RD	Pike	145
WYOMING	n/a	CHAFFEE RD	Java	145
WYOMING	n/a	DEWITT RD	Pike	145
YATES	NY364	n/a	Middlesex	145
LIVINGSTON	NY36	CLARA BARTON ST	Dansville	144.75
MONROE	NY383	PLYMOUTH AVE S	Rochester	144.75
MONROE	n/a	LAKE RD	Webster	144.75
ONTARIO	NY21	n/a	South Bristol	144.75
WYOMING	NY19	n/a	Gainesville	144.75
WYOMING	NY19	n/a	Gainesville	144.75
WYOMING	n/a	BROUGHTON RD	Gainesville	144.75
YATES	NY14A	n/a	Dundee	144.75
YATES	NY14A	n/a	Starkey	144.75
YATES	NY14A	n/a	Barrington	144.75
GENESEE	NY98	OAK ST	Batavia	144.5
LIVINGSTON	n/a	CANASERAGA RD	Ossian	144.5
MONROE	n/a	WEST SIDE DR	Gates	144.5
MONROE	n/a	PIXLEY RD	Gates	144.5
MONROE	n/a	ENGLISH RD	Greece	144.5

County	Route	Road Name	Municipality	Asset Vulnerability Score
ONTARIO	US20	n/a	Canandaigua	144.5
ONTARIO	US20	n/a	Canandaigua	144.5
ONTARIO	n/a	PARRISH ST	Canandaigua	144.5
ORLEANS	NY63	n/a	Shelby	144.5
ORLEANS	NY31A	MAPLE RIDGE RD	Medina	144.5
ORLEANS	NY104	n/a	Gaines	144.5
ORLEANS	NY31A	n/a	Barre	144.5
ORLEANS	NY31A	n/a	Shelby	144.5
SENECA	n/a	n/a	Covert	144.5
WYOMING	US20A	n/a	Perry	144.5
YATES	n/a	ITALY VALLEY RD	Potter	144.5
YATES	n/a	RIDGE RD	Milo	144.5
YATES	n/a	COUNTY HOUSE	Jerusalem	144.5
LIVINGSTON	n/a	EAST GROVELAND	Groveland	144.25
LIVINGSTON	NY256	n/a	Sparta	144.25
MONROE	n/a	W BLOOMFIELD RD	Mendon	144.25
MONROE	NY253	n/a	Henrietta	144.25
MONROE	n/a	E RIVER RD	Rush	144.25
SENECA	n/a	LOCUST ST	Waterloo	144.25
WAYNE	NY350	n/a	Ontario	144.25
WAYNE	NY350	n/a	Walworth	144.25
WAYNE	n/a	MACEDON CENTER	Macedon	144.25
YATES	n/a	MAIN ST	Penn Yan	144.25
LIVINGSTON	US20	AVON-LIMA RD	Lima	144
MONROE	n/a	PIXLEY RD	Gates	144
ONTARIO	n/a	W BLOOMFIELD-RI	Richmond	144
ORLEANS	n/a	MAIN ST	Medina	144
ORLEANS	NY63	S MAIN ST	Medina	144
YATES	NY14A	n/a	Penn Yan	144
GENESEE	US20	n/a	Bethany	143.75
GENESEE	n/a	PARK RD	Batavia	143.75
LIVINGSTON	NY63	n/a	Groveland	143.75
MONROE	NY252	n/a	Henrietta	143.75
MONROE	NY15	MT HOPE AVE	Rochester	143.75
MONROE	940M	Lake Ave	Rochester	143.75
MONROE	NY15	n/a	Brighton	143.75
MONROE	n/a	STATE ST	Rochester	143.75
MONROE	n/a	STATE ST	Rochester	143.75

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	NY31	n/a	Gates	143.75
MONROE	NY15	n/a	Brighton	143.75
MONROE	n/a	STATE ST	Rochester	143.75
MONROE	n/a	STATE ST	Rochester	143.75
SENECA	n/a	WHISKEY HILL RD	Junius	143.75
LIVINGSTON	n/a	MAPLE BEACH RD	Groveland	143.5
LIVINGSTON	n/a	COURT ST	Geneseo	143.5
MONROE	NY15	n/a	Henrietta	143.5
MONROE	NY15	n/a	Rush	143.5
ORLEANS	n/a	WEST BARRE RD	Barre	143.5
ORLEANS	n/a	OHIO ST	Medina	143.5
WAYNE	NY414	n/a	Rose	143.5
WAYNE	n/a	RIDGE RD	Wolcott	143.5
WAYNE	n/a	OLD RIDGE RD	Sodus	143.5
WAYNE	n/a	WALWORTH MARION	Marion	143.5
WAYNE	n/a	CANADA ST	Red Creek	143.5
WAYNE	n/a	CHAPMANS CORNER	Wolcott	143.5
WAYNE	NY89	n/a	Butler	143.5
WAYNE	n/a	MILL ST	Wolcott	143.5
WAYNE	NY104A	n/a	Wolcott	143.5
WYOMING	NY78	n/a	Wethersfield	143.5
WYOMING	NY78	n/a	Wethersfield	143.5
YATES	n/a	FERGUSON CORNER	Potter	143.5
GENESEE	NY98	OAK ST	Batavia	143.25
LIVINGSTON	NY39	n/a	Leicester	143.25
MONROE	940K	Mount Read Blvd	Rochester	143.25
MONROE	940K	Mount Read Blvd	Rochester	143.25
MONROE	940K	Mount Read Blvd	Rochester	143.25
MONROE	940K	Mount Read Blvd	Rochester	143.25
MONROE	NY259	n/a	Chili	143.25
MONROE	947A	Lake Ontario St Pkwy	Hamlin	143.25
ONTARIO	US20	n/a	Seneca	143.25
ONTARIO	US20	n/a	Hopewell	143.25
ORLEANS	NY18	n/a	Carlton	143.25
SENECA	NY96A	n/a	Fayette	143.25
LIVINGSTON	n/a	KYSORVILLE-BYER	West Sparta	143
LIVINGSTON	n/a	GROVELAND HILL	Groveland	143
LIVINGSTON	n/a	REEDS CORNERS R	Sparta	143

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	NY404	n/a	Penfield	143
MONROE	NY96	n/a	Pittsford	143
MONROE	NY404	n/a	Irondequoit	143
MONROE	n/a	LINDEN AVE	East Rochester	143
MONROE	n/a	CALKINS RD	Henrietta	143
MONROE	n/a	BAILEY ROAD	Henrietta	143
SENECA	n/a	BREWER RD	Waterloo	143
LIVINGSTON	n/a	KYSORVILLE-BYER	West Sparta	142.75
LIVINGSTON	NY5	n/a	Avon	142.75
LIVINGSTON	NY39	n/a	Geneseo	142.75
LIVINGSTON	US20A	n/a	Livonia	142.75
LIVINGSTON	NY5	E MAIN ST	Avon	142.75
LIVINGSTON	NY5	n/a	Avon	142.75
MONROE	NY96	n/a	Perinton	142.75
MONROE	n/a	TOBEY RD	Pittsford	142.75
MONROE	n/a	EDGEMERE DR	Greece	142.75
ONTARIO	n/a	NAPLES-W HOLLOW	South Bristol	142.75
ONTARIO	NY14	n/a	Phelps	142.75
ONTARIO	NY14	n/a	Phelps	142.75
ONTARIO	n/a	MAIN ST	Clifton Springs	142.75
ORLEANS	n/a	E OAK ORCHARD	Medina	142.75
SENECA	NY5	n/a	Tyre	142.75
SENECA	NY96	n/a	Waterloo	142.75
MONROE	NY250	SOUTH AVE	Webster	142.5
ONTARIO	NY21	n/a	Hopewell	142.5
LIVINGSTON	n/a	BARRON RD	Mount Morris	142.25
LIVINGSTON	n/a	DUTCH STREET RD	Mount Morris	142.25
LIVINGSTON	n/a	DUTCH STREET RD	Mount Morris	142.25
MONROE	NY441	n/a	Penfield	142.25
MONROE	NY96	n/a	Pittsford	142.25
MONROE	n/a	SOUTH AVE	Rochester	142.25
GENESEE	n/a	WOLCOTT STREET	Le Roy	142
GENESEE	n/a	BANK ST	Byron	142
GENESEE	NY262	BYRON ELBA RD	Byron	142
GENESEE	NY77	LEWISTON RD	Alabama	142
GENESEE	n/a	BYRON RD	Byron	142
MONROE	940K	Mount Read Blvd	Rochester	142
MONROE	n/a	NO 6 HONEOYE FA	Rush	142

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	940K	Mount Read Blvd	Rochester	142
MONROE	940K	Mount Read Blvd	Rochester	142
MONROE	NY15	n/a	Henrietta	142
ONTARIO	n/a	DEWEY RD	Manchester	142
ONTARIO	NY96	W MAIN ST	Victor	142
ORLEANS	NY98	n/a	Carlton	142
ORLEANS	NY98	n/a	Carlton	142
ORLEANS	n/a	POINT BREEZE RD	Carlton	142
SENECA	NY414	n/a	Tyre	142
WAYNE	NY89	n/a	Savannah	142
GENESEE	NY19	LAKE ST	Le Roy	141.75
GENESEE	NY19	n/a	Le Roy	141.75
GENESEE	NY19	WOLCOTT ST	Le Roy	141.75
GENESEE	NY19	n/a	Le Roy	141.75
ONTARIO	NY21	n/a	Hopewell	141.75
ONTARIO	NY96	n/a	Farmington	141.75
ORLEANS	NY31A	n/a	Clarendon	141.75
WYOMING	NY63	n/a	Covington	141.75
ONTARIO	n/a	CROSS RD	Phelps	141.5
ONTARIO	n/a	MONROE C L-THOM	Victor	141.5
GENESEE	n/a	HARLOW	Darien	141.25
GENESEE	n/a	COLBY	Darien	141.25
GENESEE	n/a	GILLATE RD	Alexander	141.25
MONROE	NY31F	TURK HILL RD	Fairport	141.25
MONROE	NY250	n/a	Penfield	141.25
MONROE	n/a	ELMWOOD AVE	Brighton	141.25
MONROE	n/a	WESTFALL RD	Brighton	141.25
MONROE	n/a	ELMWOOD AVE	Brighton	141.25
MONROE	n/a	ANDREWS ST	Rochester	141.25
MONROE	n/a	BROAD ST E	Rochester	141.25
MONROE	n/a	KLEM RD	Webster	141.25
MONROE	n/a	DEWEY AVE	Greece	141.25
ONTARIO	n/a	CANANDAIGUA-FLI	Farmington	141.25
WAYNE	n/a	COUNTY LINE RD	Ontario	141.25
LIVINGSTON	US20A	n/a	Livonia	141
LIVINGSTON	US20A	MAIN ST	Livonia	141
LIVINGSTON	US20	E MAIN ST	Avon	141
MONROE	NY15A	n/a	Brighton	141

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	n/a	HENRIETTA RD E	Rochester	141
ONTARIO	NY5	n/a	Canandaigua	141
ONTARIO	NY5	n/a	Geneva	141
SENECA	NY414	n/a	Seneca Falls	141
SENECA	US20	n/a	Waterloo	141
SENECA	NY414	n/a	Fayette	141
WAYNE	n/a	TELLIER RD	Arcadia	141
GENESEE	n/a	LEWISTON RD	Alabama	140.75
GENESEE	n/a	ALBION	Oakfield	140.75
GENESEE	n/a	LOCKPORT RD	Oakfield	140.75
MONROE	n/a	GRAVEL RD	Webster	140.75
MONROE	n/a	OLD RIDGE RD	Webster	140.75
MONROE	NY15	MT HOPE AVE	Rochester	140.75
MONROE	NY15	MT HOPE AVE	Rochester	140.75
MONROE	n/a	MT HOPE AVE	Rochester	140.75
MONROE	n/a	MT HOPE AVE	Rochester	140.75
MONROE	n/a	ST PAUL ST	Rochester	140.75
MONROE	n/a	ST PAUL ST	Rochester	140.75
MONROE	n/a	ST PAUL ST	Rochester	140.75
MONROE	n/a	MAIN ST EAST	Rochester	140.75
MONROE	941A	Latta Rd	Greece	140.75
MONROE	n/a	ST PAUL ST	Rochester	140.75
ONTARIO	NY96	n/a	Victor	140.75
WYOMING	n/a	SALTVALE RD	Middlebury	140.75
WYOMING	n/a	E MAIN-VERNAL R	Attica	140.75
MONROE	NY252	n/a	Henrietta	140.5
MONROE	NY252	n/a	Henrietta	140.5
MONROE	NY252	n/a	Henrietta	140.5
MONROE	NY31A	n/a	Sweden	140.5
MONROE	n/a	REDMAN RD	Sweden	140.5
MONROE	NY19	MAIN ST	Brockport	140.5
MONROE	NY19	MAIN ST	Brockport	140.5
MONROE	NY19	MAIN ST	Brockport	140.5
MONROE	n/a	LAKE AVE	Rochester	140.5
MONROE	NY261	n/a	Greece	140.5
MONROE	n/a	LYELL AVE	Rochester	140.5
ORLEANS	NY31A	n/a	Clarendon	140.5
ORLEANS	NY272	n/a	Kendall	140.5

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	n/a	COURT ST	Rochester	140.25
MONROE	NY18	n/a	Parma	140.25
ONTARIO	NY332	n/a	Farmington	140.25
WAYNE	NY414	GLASGOW ST	Clyde	140.25
WYOMING	NY19A	n/a	Gainesville	140.25
YATES	NY364	n/a	Potter	140.25
YATES	NY54	n/a	Torrey	140.25
YATES	NY54	n/a	Dresden	140.25
GENESEE	NY19	n/a	Pavilion	140
GENESEE	NY19	n/a	Pavilion	140
GENESEE	NY19	n/a	Pavilion	140
GENESEE	NY19	n/a	Pavilion	140
GENESEE	NY19	n/a	Pavilion	140
GENESEE	NY19	n/a	Pavilion	140
GENESEE	NY19	n/a	Pavilion	140
GENESEE	NY19	n/a	Pavilion	140
GENESEE	NY19	n/a	Le Roy	140
GENESEE	NY19	n/a	Pavilion	140
GENESEE	NY19	n/a	Le Roy	140
GENESEE	NY33	n/a	Batavia	140
LIVINGSTON	NY5	n/a	Caledonia	140
LIVINGSTON	NY5	n/a	Caledonia	140
MONROE	n/a	GRAVEL RD	Webster	140
ONTARIO	NY64	n/a	South Bristol	140
ORLEANS	NY98	n/a	Barre	140
ORLEANS	NY98	n/a	Barre	140
ORLEANS	NY31A	n/a	Barre	140
ORLEANS	NY63	n/a	Ridgeway	140
ORLEANS	NY98	n/a	Barre	140
LIVINGSTON	n/a	RIVER RD	Caledonia	139.75
MONROE	n/a	SALT RD	Penfield	139.75
ONTARIO	n/a	MANCHESTER CTR	Manchester	139.75
ONTARIO	n/a	N BLOOMFIELD-IO	West Bloomfield	139.75
ONTARIO	n/a	SHORTSVILLE-CLI	Phelps	139.75
SENECA	n/a	n/a	Varick	139.75
WAYNE	n/a	MAPLE AVE	Sodus	139.75
GENESEE	n/a	LIBERTY ST	Batavia	139.5
MONROE	n/a	LEE RD S	Gates	139.5

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	n/a	FRISBEE HILL RD	Greece	139.5
MONROE	n/a	MILL RD	Greece	139.5
MONROE	n/a	MT READ BLVD	Greece	139.5
ORLEANS	NY31	WEST AVE	Albion	139.5
ORLEANS	NY31	WEST AVE	Albion	139.5
MONROE	n/a	RIDGEWAY AVE	Rochester	139.25
MONROE	n/a	STONE RD	Greece	139.25
MONROE	n/a	LONG POND RD	Greece	139.25
MONROE	n/a	LONG POND RD	Gates	139.25
MONROE	NY33A	n/a	Chili	139.25
MONROE	NY33	n/a	Gates	139.25
MONROE	NY36	n/a	Churchville	139.25
MONROE	n/a	N GREECE RD	Greece	139.25
MONROE	n/a	NORTH AVE	Greece	139.25
MONROE	NY18	DEWEY AVE	Greece	139.25
MONROE	NY383	PLYMOUTH AVE S	Rochester	139.25
ORLEANS	n/a	COUNTY HOUSE RD	Albion	139.25
ORLEANS	n/a	WATERPORT-CARLT	Carlton	139.25
GENESEE	n/a	HARTSHORN RD	Batavia	139
GENESEE	n/a	BANK ST RD	Batavia	139
GENESEE	n/a	LEDGE RD	Batavia	139
LIVINGSTON	n/a	WASHINGTON ST	Dansville	139
LIVINGSTON	n/a	KNOX ST	Dansville	139
LIVINGSTON	NY63	n/a	Geneseo	139
LIVINGSTON	US20A	n/a	Geneseo	139
LIVINGSTON	NY256	PERINE ST	Dansville	139
MONROE	n/a	FIVE MILE LINE	Penfield	139
MONROE	n/a	SOUTH RD	Wheatland	139
MONROE	n/a	MANITOU RD	Gates	139
MONROE	NY386	CHILI COLDWATER	Chili	139
MONROE	n/a	REED RD	Sweden	139
MONROE	n/a	W SWEDEN RD	Sweden	139
MONROE	n/a	BRICK SCHOOL HO	Hamlin	139
ONTARIO	n/a	DEEP RUN-RUSHVI	Gorham	139
ORLEANS	n/a	OAK ORCHARD RIV	Carlton	139
ORLEANS	n/a	HURD RD	Murray	139
ORLEANS	n/a	TAYLOR HILL RD	Shelby	139
SENECA	n/a	n/a	Varick	139

County	Route	Road Name	Municipality	Asset Vulnerability Score
WYOMING	NY19	n/a	Pike	139
WYOMING	n/a	W LAKE RD	Castile	139
WYOMING	n/a	BIXBY HILL RD	Arcade	139
WYOMING	n/a	OATKA RD	Perry	139
YATES	n/a	LAKEMONT-HIMROD	Milo	139
YATES	n/a	ELM ST	Penn Yan	139
YATES	n/a	PRE ENPTION RD	Benton	139
YATES	NY230	n/a	Barrington	139
YATES	n/a	PLUM POINT	Milo	139
YATES	n/a	WEST LAKE	Jerusalem	139
YATES	n/a	CENTRAL AVE	Jerusalem	139
GENESEE	NY237	n/a	Stafford	138.75
GENESEE	NY237	n/a	Stafford	138.75
GENESEE	NY63	n/a	Batavia	138.75
LIVINGSTON	NY36	n/a	North Dansville	138.75
MONROE	NY65	CLOVER ST	Brighton	138.75
MONROE	n/a	LAKE AVE	Rochester	138.75
MONROE	n/a	UNION ST	Chili	138.75
MONROE	n/a	UNION ST	Chili	138.75
MONROE	n/a	UNION ST	Chili	138.75
MONROE	n/a	UNION ST	Chili	138.75
MONROE	n/a	UNION ST	Wheatland	138.75
MONROE	NY33A	n/a	Chili	138.75
MONROE	n/a	NORTH RD	Wheatland	138.75
MONROE	n/a	NORTH RD	Scottsville	138.75
MONROE	NY33A	n/a	Riga	138.75
MONROE	NY33A	n/a	Riga	138.75
MONROE	NY36	n/a	Riga	138.75
ONTARIO	NY247	n/a	Hopewell	138.75
ONTARIO	NY247	n/a	Gorham	138.75
ONTARIO	n/a	PRE EMPTION RD	Geneva	138.75
ORLEANS	NY31A	n/a	Barre	138.75
ORLEANS	NY18	n/a	Carlton	138.75
ORLEANS	NY98	S MAIN ST	Albion	138.75
SENECA	NY414	n/a	Seneca Falls	138.75
SENECA	NY414	n/a	Seneca Falls	138.75
SENECA	NY414	n/a	Seneca Falls	138.75
YATES	NY247	n/a	Rushville	138.75

County	Route	Road Name	Municipality	Asset Vulnerability Score
YATES	NY364	n/a	Potter	138.75
YATES	NY247	n/a	Rushville	138.75
YATES	NY247	n/a	Potter	138.75
YATES	NY54A	n/a	Jerusalem	138.75
YATES	NY54A	n/a	Jerusalem	138.75
YATES	NY54A	n/a	Jerusalem	138.75
YATES	NY54A	n/a	Jerusalem	138.75
LIVINGSTON	n/a	BRAGG ST	Lima	138.5
LIVINGSTON	n/a	LIVONIA CTR RD	Lima	138.5
LIVINGSTON	n/a	MIDDLE RD	Caledonia	138.5
MONROE	n/a	WHITNEY RD	Perinton	138.5
MONROE	n/a	WHITNEY RD	Perinton	138.5
MONROE	NY251	n/a	Rush	138.5
MONROE	n/a	SALT RD	Webster	138.5
WYOMING	US20A	n/a	Perry	138.5
GENESEE	n/a	STATE ST RD	Batavia	138.25
GENESEE	n/a	DELLINGER AVE	Batavia	138.25
GENESEE	n/a	HARVESTER AVE	Batavia	138.25
GENESEE	n/a	JAMES ST	Batavia	138.25
MONROE	NY250	n/a	Webster	138.25
MONROE	n/a	WEST SIDE DR	Ogden	138.25
MONROE	n/a	COLBY ST	Ogden	138.25
MONROE	n/a	OGDEN CTR RD	Ogden	138.25
MONROE	n/a	FLYNN RD	Greece	138.25
MONROE	n/a	CURTIS RD	Parma	138.25
MONROE	n/a	ISLAND COTTAGE	Greece	138.25
MONROE	n/a	SALT RD	Webster	138.25
ONTARIO	n/a	NAPLES-W HOLLOW	Naples	138.25
ONTARIO	n/a	BOSWELLS CRNRS-	South Bristol	138.25
ONTARIO	n/a	PRE EMPTION RD	Geneva	138.25
ONTARIO	n/a	CANANDAIGUA-BRS	Bristol	138.25
YATES	n/a	EAST LAKE	Middlesex	138.25
YATES	NY14	n/a	Starkey	138.25
YATES	n/a	PRE EMPTION	Barrington	138.25
YATES	NY14	n/a	Starkey	138.25
YATES	NY14	n/a	Starkey	138.25
YATES	NY14	n/a	Starkey	138.25
LIVINGSTON	NY63	n/a	Groveland	138

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	NY260	n/a	Clarkson	138
WAYNE	NY350	n/a	Walworth	138
GENESEE	n/a	RIVER ST	Batavia	137.75
LIVINGSTON	n/a	WHEATON HILL RD	Springwater	137.75
MONROE	n/a	LYELL RD	Gates	137.75
MONROE	n/a	JOHN ST	Henrietta	137.75
MONROE	n/a	WEST SIDE DR	Ogden	137.75
MONROE	n/a	LYELL RD	Gates	137.75
MONROE	n/a	MAIDEN LA	Greece	137.75
ONTARIO	n/a	CANANDAIGUA-ONT	Hopewell	137.75
ONTARIO	n/a	LINCOLN HILL RD	Gorham	137.75
ONTARIO	n/a	GORHAM FERGUSON	Gorham	137.75
YATES	n/a	GUYANOGA RD	Potter	137.75
YATES	n/a	EARLS HILL RD	Benton	137.75
YATES	n/a	EARLS HILL RD	Benton	137.75
YATES	n/a	BATH RD	Milo	137.75
YATES	n/a	SECOND MILO	Milo	137.75
YATES	n/a	DUNDEE STARKEY	Starkey	137.75
GENESEE	NY33	BUFFALO RD	Bergen	137.5
GENESEE	n/a	TOWN LINE RD	Bergen	137.5
GENESEE	n/a	PARK RD	Batavia	137.5
GENESEE	NY5	E MAIN ST	Batavia	137.5
GENESEE	NY5	MAIN ST	Batavia	137.5
GENESEE	NY5	E MAIN ST	Batavia	137.5
GENESEE	NY33	MAIN ST	Batavia	137.5
GENESEE	NY5	E MAIN ST	Batavia	137.5
GENESEE	NY5	E MAIN ST	Batavia	137.5
GENESEE	NY5	W MAIN ST	Batavia	137.5
GENESEE	NY237	n/a	Byron	137.5
GENESEE	n/a	BYRON RD	Byron	137.5
LIVINGSTON	n/a	SHORT TRACT RD	Portage	137.5
MONROE	NY64	n/a	Mendon	137.5
MONROE	n/a	WHITNEY RD	Perinton	137.5
MONROE	n/a	KINGS HGWY	Irondequoit	137.5
MONROE	NY383	EXCHANGE BLVD	Rochester	137.5
MONROE	940M	Lake Ave	Rochester	137.5
MONROE	940M	Lake Ave	Rochester	137.5
MONROE	940M	Lake Ave	Rochester	137.5

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	n/a	LAKE AVE	Rochester	137.5
MONROE	n/a	MT HOPE AVE	Rochester	137.5
MONROE	n/a	MT HOPE AVE	Rochester	137.5
MONROE	n/a	SCOTTSVILLE RD	Rochester	137.5
MONROE	n/a	EXCHANGE BLVD	Rochester	137.5
MONROE	n/a	STATE ST	Rochester	137.5
MONROE	n/a	MT HOPE AVE	Rochester	137.5
MONROE	940K	Mount Read Blvd	Rochester	137.5
MONROE	940K	Mount Read Blvd	Rochester	137.5
MONROE	NY31	n/a	Gates	137.5
MONROE	n/a	EMERSON ST	Rochester	137.5
MONROE	n/a	LEE RD	Rochester	137.5
MONROE	n/a	LEXINGTON AVE	Rochester	137.5
MONROE	n/a	ELMGROVE RD	Gates	137.5
MONROE	n/a	MANITOU RD	Gates	137.5
MONROE	n/a	ELMGROVE RD	Greece	137.5
MONROE	NY386	CHILI COLDWATER	Chili	137.5
MONROE	NY33	n/a	Gates	137.5
MONROE	n/a	E RIVER RD	Rush	137.5
MONROE	n/a	SALT RD	Webster	137.5
MONROE	n/a	GENESEE ST	Rochester	137.5
MONROE	n/a	LEXINGTON AVE	Rochester	137.5
MONROE	n/a	LYELL AVE	Rochester	137.5
MONROE	n/a	STATE ST	Rochester	137.5
ORLEANS	n/a	FLETCHER CHAPEL	Shelby	137.5
ORLEANS	n/a	EAST SHELBY RD	Shelby	137.5
ORLEANS	n/a	E SHELBY W BARR	Shelby	137.5
ORLEANS	n/a	GAINES RD	Carlton	137.5
ORLEANS	n/a	BATES RD	Medina	137.5
ORLEANS	n/a	BATES RD	Medina	137.5
SENECA	NY96A	n/a	Lodi	137.5
MONROE	NY31	n/a	Perinton	137.25
MONROE	n/a	BAIRD RD	Perinton	137.25
MONROE	NY15	n/a	Henrietta	137.25
MONROE	NY15	n/a	Henrietta	137.25
WYOMING	n/a	SIMMONS RD	Perry	137.25
YATES	NY14A	n/a	Penn Yan	137.25
LIVINGSTON	NY436	n/a	Portage	137

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	NY96	n/a	Perinton	137
MONROE	NY250	n/a	Webster	137
ORLEANS	NY31E	W CENTER ST	Medina	137
YATES	NY245	n/a	Middlesex	137
LIVINGSTON	n/a	EAST GROVELAND	Groveland	136.75
LIVINGSTON	NY256	n/a	Sparta	136.75
MONROE	n/a	MENDON CTR RD	Mendon	136.75
MONROE	NY65	n/a	Pittsford	136.75
MONROE	NY65	n/a	Pittsford	136.75
MONROE	NY65	n/a	Pittsford	136.75
MONROE	n/a	FIVE POINTS HON	Rush	136.75
MONROE	n/a	BOUGHTON HILL R	Mendon	136.75
ONTARIO	NY332	n/a	Canandaigua	136.75
SENECA	NY96A	n/a	Covert	136.75
SENECA	n/a	CR117A	Seneca Falls	136.75
LIVINGSTON	NY5	n/a	Lima	136.5
LIVINGSTON	NY5	n/a	Lima	136.5
LIVINGSTON	US20	n/a	Avon	136.5
LIVINGSTON	NY256	n/a	Geneseo	136.5
LIVINGSTON	NY63	n/a	York	136.5
ONTARIO	n/a	CANANDAIGUA-HOP	Seneca	136.5
ONTARIO	NY14	n/a	Phelps	136.5
SENECA	NY96	n/a	Waterloo	136.5
GENESEE	n/a	JERICO RD	Bergen	136.25
GENESEE	n/a	WEST BERGEN	Le Roy	136.25
MONROE	NY65	n/a	Pittsford	136.25
MONROE	NY31	n/a	Brighton	136.25
MONROE	n/a	PORTLAND AVE	Irondequoit	136.25
MONROE	n/a	HYLAN DR	Henrietta	136.25
MONROE	n/a	CALKINS RD	Henrietta	136.25
MONROE	n/a	CALKINS RD	Henrietta	136.25
MONROE	n/a	RUSH-WEST RUSH	Rush	136.25
MONROE	940L	Howard Rd	Gates	136.25
SENECA	NY414	n/a	Seneca Falls	136.25
SENECA	NY5	n/a	Waterloo	136.25
SENECA	n/a	W RIVER RD	Fayette	136.25
LIVINGSTON	n/a	CENTER ST	Geneseo	136
MONROE	NY31	n/a	Perinton	136

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	NY441	n/a	Penfield	136
MONROE	NY441	n/a	Pittsford	136
MONROE	NY31	n/a	Perinton	136
MONROE	NY31	n/a	Perinton	136
MONROE	NY15	n/a	Henrietta	136
ORLEANS	n/a	STATE ST	Medina	136
SENECA	NY96	n/a	Waterloo	136
WAYNE	n/a	HIGH ST	Rose	136
WAYNE	n/a	WOLCOTT RD	Rose	136
WAYNE	n/a	WOLCOTT-SPRINGS	Butler	136
WYOMING	n/a	OATKA RD	Warsaw	136
WYOMING	n/a	WETHERSFIELD RD	Wethersfield	136
WYOMING	n/a	POPLAR TREE RD	Orangeville	136
LIVINGSTON	NY15	n/a	Springwater	135.75
MONROE	NY259	n/a	Chili	135.75
MONROE	NY259	n/a	Ogden	135.75
MONROE	NY259	n/a	Ogden	135.75
MONROE	NY259	n/a	Ogden	135.75
MONROE	NY259	n/a	Ogden	135.75
ONTARIO	NY21	n/a	Manchester	135.75
ONTARIO	NY5	n/a	Hopewell	135.75
ONTARIO	NY444	n/a	Victor	135.75
ONTARIO	NY96	n/a	Farmington	135.75
ONTARIO	US20A	n/a	Richmond	135.75
GENESEE	NY19	n/a	Pavilion	135.5
LIVINGSTON	n/a	BEGOLE RD	Mount Morris	135.5
LIVINGSTON	n/a	ROCK SPRING HIL	West Sparta	135.5
LIVINGSTON	n/a	STAGECOACH RD	Sparta	135.5
LIVINGSTON	n/a	SCOTTSBURG RD	Groveland	135.5
LIVINGSTON	n/a	DUTCH STREET RD	Mount Morris	135.5
LIVINGSTON	NY39	WADSWORTH AVE	Avon	135.5
LIVINGSTON	NY39	n/a	Geneseo	135.5
LIVINGSTON	n/a	CROSSETT RD	Geneseo	135.5
LIVINGSTON	NY36	n/a	Leicester	135.5
LIVINGSTON	n/a	SCOTTSBURG RD	Groveland	135.5
MONROE	943C	Calkins Rd	Pittsford	135.5
MONROE	n/a	S LINCOLN RD	Perinton	135.5
MONROE	n/a	S LINCOLN RD	East Rochester	135.5

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	n/a	BLUFF DR	East Rochester	135.5
MONROE	n/a	CLOVER ST	Brighton	135.5
ONTARIO	n/a	LAKE SHORE DR	Canandaigua	135.5
ONTARIO	n/a	N PEARL ST	Canandaigua	135.5
WYOMING	NY19	n/a	Warsaw	135.5
ONTARIO	NY488	n/a	Hopewell	135.25
ONTARIO	n/a	PEARL ST	Clifton Springs	135.25
ONTARIO	n/a	PADELFOORD-FARMI	Canandaigua	135.25
ONTARIO	n/a	HOLCOMB-CANANDA	East Bloomfield	135.25
ONTARIO	n/a	MAIN ST-FISHERS	Victor	135.25
ONTARIO	NY488	n/a	Hopewell	135.25
WAYNE	NY88	N MAIN ST	Newark	135.25
MONROE	n/a	RIDGE RD	Webster	135
ONTARIO	NY96	n/a	Victor	135
ONTARIO	NY96	n/a	Victor	135
GENESEE	n/a	BETHANY CENTER	Bethany	134.75
LIVINGSTON	US20	n/a	York	134.75
MONROE	NY441	n/a	Penfield	134.75
MONROE	n/a	PLANK RD	Penfield	134.75
MONROE	941B	Empire Blvd	Irondequoit	134.75
MONROE	n/a	HUDSON AVE	Rochester	134.75
MONROE	n/a	MONROE AVE	Rochester	134.75
MONROE	n/a	GOODMAN ST N	Rochester	134.75
MONROE	n/a	MAIN ST EAST	Rochester	134.75
MONROE	n/a	CRITTENDEN BLVD	Rochester	134.75
MONROE	n/a	DEWEY AVE	Rochester	134.75
MONROE	n/a	MAIN ST WEST	Rochester	134.75
MONROE	n/a	CLINTON AVE N	Rochester	134.75
MONROE	n/a	CLINTON AVE N	Rochester	134.75
MONROE	n/a	MAIN ST EAST	Rochester	134.75
ONTARIO	n/a	EXCHANGE ST	Geneva	134.75
ONTARIO	NY14	N EXCHANGE ST	Geneva	134.75
ONTARIO	NY5	n/a	Canandaigua	134.75
GENESEE	n/a	TRANSIT RD	Pavilion	134.5
GENESEE	n/a	LOCKPORT RD	Alabama	134.5
GENESEE	n/a	KNOWLESVILLE RD	Alabama	134.5
GENESEE	n/a	LEWISTON RD	Oakfield	134.5
GENESEE	n/a	RANDALL RD	Le Roy	134.5

County	Route	Road Name	Municipality	Asset Vulnerability Score
LIVINGSTON	NY39	SOUTH ST	Geneseo	134.5
LIVINGSTON	US20A	n/a	Geneseo	134.5
LIVINGSTON	US20A	MAIN ST	Leicester	134.5
LIVINGSTON	US20A	SOUTH ST	Geneseo	134.5
LIVINGSTON	US20A	SOUTH ST	Geneseo	134.5
LIVINGSTON	US20A	SOUTH ST	Geneseo	134.5
LIVINGSTON	US20A	SOUTH ST	Geneseo	134.5
MONROE	n/a	ELMWOOD AVE	Brighton	134.5
MONROE	NY15	MT HOPE AVE	Rochester	134.5
MONROE	NY15	MT HOPE AVE	Rochester	134.5
MONROE	n/a	BROOKS AVE	Rochester	134.5
MONROE	n/a	MT HOPE AVE	Rochester	134.5
MONROE	n/a	SOUTH AVE	Rochester	134.5
MONROE	n/a	MT HOPE AVE	Rochester	134.5
MONROE	n/a	THOMAS AVE	Irondequoit	134.5
ONTARIO	n/a	W BLOOMFIELD-RI	Canadice	134.5
ONTARIO	n/a	KENDALL ST	Clifton Springs	134.5
ONTARIO	NY96	W MAIN ST	Victor	134.5
ONTARIO	NY96	n/a	Victor	134.5
ONTARIO	NY96	E MAIN ST	Victor	134.5
ONTARIO	NY332	S MAIN ST	Canandaigua	134.5
SENECA	NY318	n/a	Junius	134.5
WAYNE	n/a	HALL CENTER RD	Marion	134.5
WAYNE	n/a	FISHER RD	Williamson	134.5
WYOMING	n/a	E BETHANY	Middlebury	134.5
WYOMING	n/a	EAST RD	Wyoming	134.5
MONROE	942G	Plymouth Ave	Rochester	134.25
MONROE	NY386	n/a	Chili	134.25
MONROE	n/a	MORGAN RD	Chili	134.25
MONROE	n/a	E RIVER RD	Henrietta	134.25
MONROE	n/a	HOLLEY ST	Sweden	134.25
MONROE	n/a	MONROE AVE	Brockport	134.25
MONROE	n/a	E MANITOU RD	Greece	134.25
ONTARIO	US20	n/a	Geneva	134.25
ONTARIO	n/a	PRE EMPTION RD	Phelps	134.25
ONTARIO	NY5	n/a	Canandaigua	134.25
ORLEANS	NY98	n/a	Carlton	134.25
ORLEANS	NY98	n/a	Carlton	134.25

County	Route	Road Name	Municipality	Asset Vulnerability Score
SENECA	US20	n/a	Seneca Falls	134.25
LIVINGSTON	NY15	n/a	Avon	134
LIVINGSTON	NY63	n/a	Geneseo	134
LIVINGSTON	n/a	LIMA RD	Geneseo	134
LIVINGSTON	n/a	MACINTYRE RD	York	134
LIVINGSTON	n/a	WALKER RD	York	134
MONROE	NY404	n/a	Webster	134
MONROE	NY404	RIDGE RD	Webster	134
ONTARIO	n/a	CROSS RD	Phelps	134
ONTARIO	n/a	FIVE WATERS CLI	Manchester	134
ONTARIO	n/a	HOLCOMB-CANANDA	East Bloomfield	134
SENECA	NY5	n/a	Seneca Falls	134
SENECA	US20	n/a	Seneca Falls	134
MONROE	n/a	STATE RD	Webster	133.75
MONROE	n/a	STATE RD	Webster	133.75
MONROE	n/a	CREEK ST	Penfield	133.75
MONROE	n/a	EDGEWOOD AVE	Brighton	133.75
MONROE	NY250	n/a	Perinton	133.5
MONROE	NY250	n/a	Perinton	133.5
MONROE	NY15A	n/a	Brighton	133.5
MONROE	NY15A	n/a	Brighton	133.5
MONROE	NY15A	n/a	Brighton	133.5
ONTARIO	NY14	EXCHANGE ST	Geneva	133.5
ONTARIO	NY14	EXCHANGE ST	Geneva	133.5
ONTARIO	n/a	EXCHANGE ST	Geneva	133.5
ONTARIO	n/a	EXCHANGE ST	Geneva	133.5
SENECA	NY414	n/a	Varick	133.5
MONROE	n/a	BRIDGE VIEW DR	Rochester	133.25
MONROE	n/a	GENESEE PARK BL	Rochester	133.25
MONROE	n/a	BRIDGE VIEW DR	Rochester	133.25
MONROE	n/a	KLEM RD	Webster	133.25
MONROE	n/a	DEWEY AVE	Greece	133.25
MONROE	n/a	GENESEE PARK BL	Rochester	133.25
MONROE	n/a	BRIDGE VIEW DR	Rochester	133.25
GENESEE	n/a	SEVEN SPRINGS R	Batavia	133
GENESEE	n/a	BATAVIA STAFFOR	Batavia	133
GENESEE	n/a	SEVEN SPRINGS R	Stafford	133
GENESEE	n/a	SEVEN SPRINGS R	Stafford	133

County	Route	Road Name	Municipality	Asset Vulnerability Score
GENESEE	n/a	BANK ST RD	Batavia	133
GENESEE	NY237	n/a	Stafford	133
GENESEE	NY262	DRAKE ST	Oakfield	133
GENESEE	n/a	BATAVIA STAFFOR	Batavia	133
GENESEE	n/a	BYRON RD	Byron	133
LIVINGSTON	n/a	RIVER RD	Caledonia	133
LIVINGSTON	NY63	MAIN ST	Dansville	133
MONROE	NY404	n/a	Webster	133
MONROE	n/a	UNIVERSITY AVE	Rochester	133
MONROE	n/a	CLINTON AVE S	Rochester	133
MONROE	n/a	CLINTON AVE S	Rochester	133
MONROE	n/a	CULVER RD	Rochester	133
MONROE	n/a	CULVER RD	Rochester	133
MONROE	n/a	CULVER RD	Rochester	133
MONROE	n/a	GOODMAN ST S	Rochester	133
MONROE	n/a	GOODMAN ST S	Rochester	133
MONROE	n/a	GOODMAN ST S	Rochester	133
MONROE	n/a	GOODMAN ST S	Rochester	133
MONROE	n/a	GOODMAN ST S	Rochester	133
MONROE	942G	Plymouth Ave	Rochester	133
MONROE	n/a	LYELL AVE	Rochester	133
MONROE	n/a	LYELL AVE	Rochester	133
MONROE	n/a	MAPLEWOOD DR	Rochester	133
MONROE	n/a	LEE RD N	Greece	133
MONROE	n/a	UNION ST	Wheatland	133
MONROE	NY33	n/a	Churchville	133
MONROE	NY33A	n/a	Riga	133
MONROE	NY36	n/a	Riga	133
MONROE	NY36	n/a	Ogden	133
MONROE	NY33	n/a	Riga	133
MONROE	n/a	SWEDEN WALKER R	Sweden	133
MONROE	NY36	n/a	Ogden	133
MONROE	n/a	ALLEN ST	Brockport	133
MONROE	NY18	n/a	Hamlin	133
MONROE	n/a	REDMAN RD	Clarkson	133
MONROE	n/a	PECK RD	Greece	133
MONROE	n/a	N GREECE RD	Greece	133
MONROE	NY36	n/a	Ogden	133

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	NY36	n/a	Ogden	133
MONROE	n/a	LAKE AVE	Rochester	133
MONROE	n/a	LYELL AVE	Rochester	133
MONROE	n/a	CLINTON AVE S	Rochester	133
MONROE	n/a	CULVER RD	Rochester	133
ONTARIO	NY65	n/a	West Bloomfield	133
ORLEANS	NY237	n/a	Clarendon	133
ORLEANS	NY269	n/a	Hartland	133
ORLEANS	NY269	n/a	Hartland	133
ORLEANS	n/a	ALBION-EAG HARB	Albion	133
ORLEANS	NY18	n/a	Kendall	133
ORLEANS	n/a	RICHS CORNER RD	Albion	133
ORLEANS	n/a	ALLEN RD	Albion	133
ORLEANS	NY237	n/a	Murray	133
ORLEANS	n/a	GAINES BASIN RD	Gaines	133
ORLEANS	NY237	S MAIN ST	Holley	133
ORLEANS	NY272	n/a	Kendall	133
ORLEANS	n/a	W ACADEMY ST	Albion	133
ORLEANS	n/a	ALLEN RD	Albion	133
ORLEANS	NY237	N MAIN ST	Holley	133
ORLEANS	NY272	n/a	Kendall	133
WAYNE	n/a	CANANDAIGUA RD	Macedon	133
YATES	NY54	n/a	Penn Yan	133
YATES	NY54	n/a	Benton	133
YATES	NY54	n/a	Torrey	133
MONROE	NY64	n/a	Pittsford	132.75
MONROE	n/a	LEHIGH STA RD	Henrietta	132.75
MONROE	n/a	MILL RD	Greece	132.75
MONROE	NY590	n/a	Irondequoit	132.75
MONROE	NY590	n/a	Irondequoit	132.75
MONROE	n/a	PATTONWOOD DR	Irondequoit	132.75
MONROE	NY590	n/a	Irondequoit	132.75
SENECA	US20	n/a	Seneca Falls	132.75
SENECA	NY5	n/a	Seneca Falls	132.75
WAYNE	n/a	CANANDAIGUA ST	Palmyra	132.75
ONTARIO	n/a	HALL-POST RD	Seneca	132.5
ONTARIO	n/a	FLINT-ORLEANS	Seneca	132.5
ONTARIO	NY96	n/a	Victor	132.5

County	Route	Road Name	Municipality	Asset Vulnerability Score
SENECA	NY96	n/a	Romulus	132.5
SENECA	NY96	n/a	Romulus	132.5
SENECA	NY5	n/a	Seneca Falls	132.5
SENECA	NY96	n/a	Covert	132.5
GENESEE	n/a	WALKER RD	Alexander	132.25
LIVINGSTON	n/a	LACEY RD	Caledonia	132.25
LIVINGSTON	US20	n/a	York	132.25
MONROE	NY250	n/a	Penfield	132.25
MONROE	NY250	n/a	Penfield	132.25
MONROE	NY250	n/a	Penfield	132.25
MONROE	NY250	n/a	Penfield	132.25
MONROE	NY250	n/a	Perinton	132.25
MONROE	NY250	n/a	Perinton	132.25
MONROE	NY250	n/a	Perinton	132.25
MONROE	n/a	ELMWOOD AVE	Brighton	132.25
MONROE	n/a	NY104 WB to Maplewood Dr	Rochester	132.25
MONROE	n/a	SALT RD	Penfield	132.25
SENECA	n/a	n/a	Ovid	132.25
SENECA	n/a	n/a	Romulus	132.25
WAYNE	n/a	MAPLE AVE	Palmyra	132.25
GENESEE	n/a	COURT ST	Batavia	132
ONTARIO	NY5	n/a	East Bloomfield	132
ONTARIO	NY64	n/a	East Bloomfield	132
ONTARIO	NY5	STATE ST	Bloomfield	132
ORLEANS	NY31	EAST AVE	Albion	132
ORLEANS	NY31	EAST AVE	Albion	132
ORLEANS	NY31	n/a	Albion	132
SENECA	NY96	n/a	Waterloo	132
SENECA	n/a	RIVER ST	Waterloo	132
GENESEE	n/a	NORTH ST	Batavia	131.75
GENESEE	n/a	NORTH ST	Batavia	131.75
GENESEE	n/a	HARTSHORN RD	Batavia	131.75
GENESEE	n/a	RICHMOND AVE	Batavia	131.75
GENESEE	n/a	INDIAN FALLS	Pembroke	131.75
LIVINGSTON	n/a	IROQUOIS RD	Caledonia	131.75
MONROE	NY153	n/a	Pittsford	131.75
MONROE	n/a	WHITNEY RD	Perinton	131.75
MONROE	NY31	n/a	Pittsford	131.75

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	n/a	AMES ST	Rochester	131.75
MONROE	n/a	DEWEY AVE	Rochester	131.75
MONROE	n/a	DEWEY AVE	Rochester	131.75
MONROE	NY33A	n/a	Gates	131.75
MONROE	NY33A	n/a	Gates	131.75
MONROE	n/a	RIDGEWAY AVE	Greece	131.75
MONROE	n/a	RIDGEWAY AVE	Greece	131.75
MONROE	n/a	MT READ BLVD	Greece	131.75
MONROE	n/a	MT READ BLVD	Greece	131.75
MONROE	n/a	MITCHELL RD	Greece	131.75
MONROE	n/a	BUFFALO RD	Rochester	131.75
MONROE	NY36	n/a	Riga	131.75
MONROE	NY259	MAIN ST	Hilton	131.75
MONROE	n/a	REDMAN RD	Hamlin	131.75
MONROE	NY261	n/a	Greece	131.75
MONROE	n/a	VINTAGE LA	Greece	131.75
MONROE	n/a	VINTAGE LA	Greece	131.75
MONROE	NY18	n/a	Greece	131.75
MONROE	n/a	DEWEY AVE	Greece	131.75
MONROE	n/a	MAIDEN LA	Greece	131.75
MONROE	n/a	STONE RD	Greece	131.75
MONROE	NY33A	n/a	Chili	131.75
MONROE	n/a	DEWEY AVE	Greece	131.75
MONROE	n/a	MT READ BLVD	Greece	131.75
MONROE	n/a	MAIDEN LA	Greece	131.75
MONROE	NY18	n/a	Greece	131.75
MONROE	n/a	STONE RD	Greece	131.75
MONROE	n/a	DEWEY AVE	Rochester	131.75
ORLEANS	n/a	S HOLLEY RD	Clarendon	131.75
ORLEANS	n/a	MURDOCK RD	Ridgeway	131.75
ORLEANS	n/a	MILL RD	Ridgeway	131.75
ORLEANS	n/a	MILL RD	Ridgeway	131.75
ORLEANS	NY387	n/a	Murray	131.75
ORLEANS	n/a	COUNTY HOUSE RD	Albion	131.75
ORLEANS	n/a	EAGLE HARBOR RD	Albion	131.75
ORLEANS	n/a	EAGLE HARBOR RD	Gaines	131.75
ORLEANS	n/a	GAINES RD	Carlton	131.75
ORLEANS	NY279	GAINES RD	Carlton	131.75

County	Route	Road Name	Municipality	Asset Vulnerability Score
ORLEANS	NY272	n/a	Kendall	131.75
ORLEANS	n/a	PETER SMITH RD	Kendall	131.75
ORLEANS	n/a	GAINES BASIN RD	Gaines	131.75
ORLEANS	n/a	EAGLE HARBOR RD	Gaines	131.75
SENECA	n/a	YELLOW TAVRN RD	Fayette	131.75
YATES	n/a	BATH RD	Barrington	131.75
YATES	n/a	SECOND MILO	Milo	131.75
GENESEE	n/a	MIX PL	Batavia	131.5
GENESEE	n/a	JEFFERSON AVE	Batavia	131.5
GENESEE	n/a	JACKSON ST	Batavia	131.5
GENESEE	n/a	UNION ST	Batavia	131.5
GENESEE	n/a	ELLCOTT AVE	Batavia	131.5
MONROE	NY65	n/a	Mendon	131.5
MONROE	NY15A	n/a	Rush	131.5
MONROE	n/a	BUELL RD	Gates	131.5
MONROE	n/a	BEAHAN RD	Gates	131.5
MONROE	n/a	JANES RD	Greece	131.5
MONROE	n/a	WEST BLOOMFIELD	Pittsford	131.5
ONTARIO	n/a	WEST HOLLOW RD	Naples	131.5
ORLEANS	n/a	ALBION EAGLE HA	Gaines	131.5
WYOMING	n/a	OATKA RD	Perry	131.5
WYOMING	n/a	TELEGRAPH RD	Pike	131.5
YATES	n/a	CHAMBERS	Starkey	131.5
YATES	n/a	MAIN ST	Penn Yan	131.5
YATES	n/a	E BLUFF DR	Jerusalem	131.5
GENESEE	n/a	PARKVIEW DR	Bergen	131.25
GENESEE	n/a	E. BETHANY-LEROY RD	Bethany	131.25
GENESEE	NY5	n/a	Batavia	131.25
GENESEE	n/a	PARK RD	Batavia	131.25
GENESEE	NY63	n/a	Batavia	131.25
GENESEE	NY63	n/a	Batavia	131.25
GENESEE	n/a	CLINTON ST	Batavia	131.25
GENESEE	NY98	n/a	Batavia	131.25
LIVINGSTON	NY408	n/a	Mount Morris	131.25
LIVINGSTON	NY436	n/a	Portage	131.25
LIVINGSTON	NY70	n/a	Portage	131.25
LIVINGSTON	NY408	STATE ST	Nunda	131.25
MONROE	NY31F	n/a	Perinton	131.25

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	n/a	PLYMOUTH AVE S	Rochester	131.25
MONROE	n/a	ELMGROVE RD	Gates	131.25
MONROE	NY31	n/a	Ogden	131.25
ONTARIO	NY53	n/a	Naples	131.25
ORLEANS	NY31E	W CENTER ST	Medina	131.25
ORLEANS	NY98	S MAIN ST	Albion	131.25
ORLEANS	NY98	S MAIN ST	Albion	131.25
ORLEANS	NY98	S MAIN ST	Albion	131.25
ORLEANS	NY98	N MAIN ST	Albion	131.25
ORLEANS	NY98	S MAIN ST	Albion	131.25
ORLEANS	NY98	N MAIN ST	Albion	131.25
YATES	NY14A	n/a	Starkey	131.25
YATES	n/a	NORTH AVE	Penn Yan	131.25
MONROE	NY65	CLOVER ST	Brighton	131
MONROE	n/a	PLANK RD	Penfield	131
MONROE	n/a	PLANK RD	Penfield	131
MONROE	n/a	THORNELL RD	Pittsford	131
MONROE	n/a	STATE RD	Penfield	131
MONROE	n/a	PENFIELD RD	Penfield	131
MONROE	n/a	PANORAMA TRAIL	Penfield	131
MONROE	NY251	n/a	Rush	131
MONROE	NY15	n/a	Rush	131
MONROE	NY15	n/a	Rush	131
MONROE	n/a	BAY RD	Webster	131
SENECA	NY336	n/a	Varick	131
WAYNE	NY31	E UNION ST	Newark	131
MONROE	n/a	PHILLIPS RD	Webster	130.75
SENECA	n/a	MEMORIAL DAY PL	Waterloo	130.75
GENESEE	n/a	RICHMOND AVE	Batavia	130.5
GENESEE	n/a	RICHMOND AVE	Batavia	130.5
MONROE	NY253	n/a	Pittsford	130.5
MONROE	940L	Howard Rd	Gates	130.5
LIVINGSTON	NY63	n/a	York	130.25
MONROE	n/a	THORNELL RD	Pittsford	130.25
MONROE	NY590	n/a	Irondequoit	130.25
MONROE	n/a	CULVER RD	Rochester	130.25
MONROE	n/a	PORTLAND AVE	Rochester	130.25
ONTARIO	n/a	CANANDAIGUA HOP	Canandaigua	130.25

County	Route	Road Name	Municipality	Asset Vulnerability Score
ONTARIO	n/a	CANANDAIGUA HOP	Hopewell	130.25
ONTARIO	US20	n/a	West Bloomfield	130.25
GENESEE	n/a	NORTH BERGEN	Byron	130
GENESEE	n/a	WEST BERGEN	Bergen	130
LIVINGSTON	n/a	SLIKER HILL RD	Conesus	130
LIVINGSTON	n/a	GROVELAND RD	Geneseo	130
LIVINGSTON	n/a	SHORT TRACT RD	Portage	130
LIVINGSTON	n/a	GROVELAND RD	Groveland	130
MONROE	n/a	WESTFALL RD	Brighton	130
MONROE	n/a	MIDDLE RD	Henrietta	130
MONROE	n/a	EMERSON ST	Rochester	130
MONROE	n/a	FIVE POINTS HON	Rush	130
ONTARIO	US20A	n/a	Richmond	130
ORLEANS	n/a	SHELBY BASIN RD	Shelby	130
ORLEANS	n/a	SHELBY BARRE T/	Shelby	130
ORLEANS	n/a	SANDERSON RD	Shelby	130
ORLEANS	n/a	PODUNK RD	Shelby	130
ORLEANS	n/a	EAGLE HARBOR RD	Barre	130
ORLEANS	n/a	E SHELBY W BARR	Barre	130
ORLEANS	n/a	SHELBY BARRE T/	Barre	130
ORLEANS	n/a	BLAIR RD	Shelby	130
ORLEANS	n/a	COUNTY HOUSE RD	Shelby	130
ORLEANS	n/a	SHELBY BARRE T/	Barre	130
ORLEANS	n/a	WEST BARRE RD	Barre	130
ORLEANS	n/a	EAST SHELBY RD	Shelby	130
ORLEANS	n/a	SALT WORKS RD	Shelby	130
ORLEANS	n/a	SALT WORKS RD	Shelby	130
YATES	n/a	ITALY HILL RD	Jerusalem	130
GENESEE	NY98	n/a	Alexander	129.75
MONROE	NY31	n/a	Perinton	129.75
MONROE	n/a	COOPER RD	Irondequoit	129.75
ONTARIO	NY488	n/a	Phelps	129.75
ONTARIO	NY21	n/a	Canandaigua	129.75
ONTARIO	NY488	n/a	Phelps	129.75
ONTARIO	NY88	n/a	Phelps	129.75
ORLEANS	948A	Lk Ontario Pkwy Spur	Carlton	129.75
WAYNE	NY31	W UNION ST	Newark	129.75
WYOMING	NY246	n/a	Perry	129.75

County	Route	Road Name	Municipality	Asset Vulnerability Score
WYOMING	NY238	n/a	Attica	129.75
WYOMING	US20A	n/a	Orangeville	129.75
LIVINGSTON	NY15	n/a	Avon	129.5
MONROE	NY96	n/a	Perinton	129.5
LIVINGSTON	n/a	MOREY AVE	Dansville	129.25
MONROE	n/a	MILE SQUARE RD	Mendon	129.25
MONROE	943E	n/a	Henrietta	129.25
MONROE	n/a	KINGS HIGHWAY	Rochester	129.25
SENECA	n/a	RUMSEY ST	Seneca Falls	129.25
SENECA	n/a	BRIDGE ST	Seneca Falls	129.25
WAYNE	n/a	LAKE RD	Williamson	129.25
MONROE	NY31	n/a	Brighton	129
ONTARIO	n/a	FORGE AVE	Geneva	129
ONTARIO	n/a	CANANDAIGUA MIN	Farmington	129
SENECA	NY414	n/a	Seneca Falls	129
WAYNE	NY350	n/a	Macedon	129
WAYNE	NY350	n/a	Macedon	129
YATES	NY54A	n/a	Penn Yan	129
YATES	NY54A	n/a	Penn Yan	129
YATES	n/a	NORTH AVE	Penn Yan	129
LIVINGSTON	n/a	BARRON RD	Mount Morris	128.75
LIVINGSTON	n/a	BIRDSALL RD	Nunda	128.75
LIVINGSTON	n/a	LIBERTY POLE RD	Sparta	128.75
LIVINGSTON	n/a	LAKEVILLE GROVE	Geneseo	128.75
LIVINGSTON	n/a	CARNEY HOLLOW R	Springwater	128.75
LIVINGSTON	n/a	CARNEY HOLLOW R	Springwater	128.75
LIVINGSTON	n/a	STAGECOACH RD	Conesus	128.75
LIVINGSTON	NY15	n/a	Livonia	128.75
LIVINGSTON	n/a	LONG POINT RD	Geneseo	128.75
LIVINGSTON	n/a	LIBERTY POLE RD	Springwater	128.75
LIVINGSTON	n/a	LIBERTY POLE RD	Sparta	128.75
MONROE	n/a	ALLEN CREEK RD	Brighton	128.75
MONROE	n/a	ALLEN CREEK RD	Brighton	128.75
MONROE	n/a	EDGEWOOD AVE	Henrietta	128.75
MONROE	n/a	MAIN ST EAST	Rochester	128.75
YATES	n/a	DARBYS CORNERS	Jerusalem	128.75
LIVINGSTON	n/a	CANANDAIGUA ST	Leicester	128.5
MONROE	n/a	RIDGE RD	Irondequoit	128.5

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	n/a	GOODMAN ST N	Irondequoit	128.5
MONROE	n/a	ALEXANDER ST	Rochester	128.5
MONROE	n/a	BLOSSOM RD	Rochester	128.5
MONROE	n/a	UNIVERSITY AVE	Rochester	128.5
MONROE	n/a	UNIVERSITY AVE	Rochester	128.5
MONROE	n/a	ANDREWS ST	Rochester	128.5
MONROE	NY253	n/a	Henrietta	128.5
MONROE	NY253	n/a	Henrietta	128.5
MONROE	n/a	NO 6 HONEOYE FL	Mendon	128.5
MONROE	n/a	NO 6 HONEOYE FL	Mendon	128.5
MONROE	NY31	BROAD ST W	Rochester	128.5
MONROE	n/a	DEWEY AVE	Rochester	128.5
MONROE	NY15	n/a	Henrietta	128.5
MONROE	n/a	SCHLEGEL RD	Webster	128.5
MONROE	n/a	SCHLEGEL RD	Webster	128.5
ONTARIO	n/a	NEW MICHIGAN	Farmington	128.5
ONTARIO	NY65	n/a	West Bloomfield	128.5
LIVINGSTON	NY36	n/a	Leicester	128.25
LIVINGSTON	US20A	n/a	Geneseo	128.25
LIVINGSTON	n/a	MAIN ST	Geneseo	128.25
LIVINGSTON	n/a	MAIN ST	Geneseo	128.25
MONROE	n/a	MIDDLE RD	Henrietta	128.25
MONROE	n/a	CLIFFORD AVE	Rochester	128.25
ONTARIO	NY96	n/a	Manchester	128.25
ONTARIO	NY96	n/a	Phelps	128.25
ONTARIO	NY96	n/a	Farmington	128.25
ORLEANS	n/a	SALT WORKS RD	Shelby	128.25
ORLEANS	n/a	SALT WORKS RD	Ridgeway	128.25
ONTARIO	NY14	EXCHANGE ST	Geneva	128
YATES	NY54	n/a	Torrey	128
YATES	NY54	n/a	Torrey	128
LIVINGSTON	n/a	WALLACE RD	York	127.75
MONROE	n/a	TURK HILL RD	Perinton	127.75
MONROE	n/a	TURK HILL RD	Perinton	127.75
ONTARIO	n/a	Taylor Street	Manchester	127.75
SENECA	n/a	GRAVEL RD	Seneca Falls	127.75
WAYNE	n/a	N MAIN ST	Newark	127.75
WAYNE	NY88	N MAIN ST	Newark	127.75

County	Route	Road Name	Municipality	Asset Vulnerability Score
WYOMING	n/a	MOLASSES HILL RD	Middlebury	127.75
ONTARIO	n/a	MAIN ST-FISHERS	Victor	127.5
GENESEE	n/a	BETHANY CENTER	Bethany	127.25
GENESEE	n/a	BETHANY CENTER	Bethany	127.25
GENESEE	n/a	TRANSIT RD	Bethany	127.25
GENESEE	n/a	WEST BERGEN	Le Roy	127.25
LIVINGSTON	n/a	LIMA RD	Geneseo	127.25
MONROE	n/a	BAY RD	Webster	127.25
MONROE	n/a	BAY RD	Webster	127.25
MONROE	n/a	WINTON RD N	Rochester	127.25
MONROE	NY31	MONROE AVE	Rochester	127.25
MONROE	n/a	WINTON RD S	Brighton	127.25
MONROE	n/a	WESTFALL RD	Brighton	127.25
MONROE	NY31	n/a	Brighton	127.25
MONROE	NY31	n/a	Brighton	127.25
MONROE	NY31	MONROE AVE	Rochester	127.25
MONROE	NY31	n/a	Brighton	127.25
MONROE	NY96	EAST AVE	Rochester	127.25
MONROE	NY96	EAST AVE	Rochester	127.25
MONROE	NY96	EAST AVE	Rochester	127.25
MONROE	n/a	CLINTON AVE S	Brighton	127.25
MONROE	n/a	CLINTON AVE S	Brighton	127.25
MONROE	n/a	CULVER RD	Rochester	127.25
MONROE	n/a	NORTH ST	Rochester	127.25
MONROE	n/a	NORTON ST	Rochester	127.25
MONROE	n/a	PORTLAND AVE	Rochester	127.25
MONROE	n/a	WINTON RD N	Rochester	127.25
MONROE	n/a	WINTON RD S	Rochester	127.25
MONROE	n/a	MAIN ST EAST	Rochester	127.25
MONROE	n/a	MAIN ST EAST	Rochester	127.25
MONROE	n/a	MAIN ST EAST	Rochester	127.25
MONROE	n/a	MAIN ST EAST	Rochester	127.25
MONROE	n/a	EAST AVE	Rochester	127.25
MONROE	n/a	UNIVERSITY AVE	Rochester	127.25
MONROE	n/a	UNIVERSITY AVE	Rochester	127.25
MONROE	n/a	HUDSON AVE	Rochester	127.25
MONROE	n/a	HUDSON AVE	Rochester	127.25
MONROE	n/a	EAST AVE	Rochester	127.25

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	n/a	UPPER FALLS BLV	Rochester	127.25
MONROE	n/a	MONROE AVE	Rochester	127.25
MONROE	n/a	MONROE AVE	Rochester	127.25
MONROE	n/a	CHESTNUT ST S	Rochester	127.25
MONROE	n/a	CHESTNUT ST S	Rochester	127.25
MONROE	n/a	CHESTNUT ST S	Rochester	127.25
MONROE	n/a	CLINTON AVE S	Rochester	127.25
MONROE	n/a	CULVER RD	Rochester	127.25
MONROE	n/a	GOODMAN ST S	Rochester	127.25
MONROE	n/a	GOODMAN ST S	Rochester	127.25
MONROE	n/a	GOODMAN ST S	Rochester	127.25
MONROE	n/a	GOODMAN ST S	Rochester	127.25
MONROE	n/a	GOODMAN ST N	Rochester	127.25
MONROE	n/a	GOODMAN ST N	Rochester	127.25
MONROE	n/a	GOODMAN ST N	Rochester	127.25
MONROE	n/a	CLEVELAND ST	Rochester	127.25
MONROE	n/a	ALEXANDER ST	Rochester	127.25
MONROE	n/a	MAIN ST EAST	Rochester	127.25
MONROE	n/a	WINTON RD N	Rochester	127.25
MONROE	n/a	WINTON RD S	Rochester	127.25
MONROE	n/a	PORTLAND AVE	Rochester	127.25
MONROE	n/a	PORTLAND AVE	Rochester	127.25
MONROE	n/a	NORTH ST	Rochester	127.25
MONROE	NY15	MT HOPE AVE	Rochester	127.25
MONROE	NY31	MAIN ST WEST	Rochester	127.25
MONROE	n/a	WESTFALL RD	Brighton	127.25
MONROE	NY15A	HENRIETTA RD E	Rochester	127.25
MONROE	NY33	MAIN ST WEST	Rochester	127.25
MONROE	NY33	WEST AVE	Rochester	127.25
MONROE	NY31	BROAD ST W	Rochester	127.25
MONROE	n/a	MAIN ST WEST	Rochester	127.25
MONROE	n/a	ELMWOOD AVE	Rochester	127.25
MONROE	n/a	BROAD ST W	Rochester	127.25
MONROE	n/a	CHILI AVE	Rochester	127.25
MONROE	n/a	MT HOPE AVE	Rochester	127.25
MONROE	n/a	RIDGEWAY AVE	Rochester	127.25
MONROE	n/a	UPPER FALLS BLV	Rochester	127.25
MONROE	n/a	UPPER FALLS BLV	Rochester	127.25

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	n/a	CHILD ST	Rochester	127.25
MONROE	n/a	WESTFALL RD	Rochester	127.25
MONROE	n/a	SOUTH AVE	Rochester	127.25
MONROE	n/a	ST PAUL ST	Rochester	127.25
MONROE	n/a	HENRIETTA RD E	Rochester	127.25
MONROE	n/a	CLINTON AVE N	Rochester	127.25
MONROE	n/a	SOUTH AVE	Rochester	127.25
MONROE	n/a	CLINTON AVE N	Rochester	127.25
MONROE	n/a	GENESEE ST	Rochester	127.25
MONROE	n/a	ST PAUL ST	Rochester	127.25
MONROE	NY33	WEST AVE	Rochester	127.25
MONROE	n/a	GARDINER AVE	Rochester	127.25
MONROE	n/a	CHILI AVE	Rochester	127.25
MONROE	n/a	ELMWOOD AVE	Rochester	127.25
MONROE	n/a	WINTON RD S	Brighton	127.25
MONROE	n/a	GENESEE ST	Rochester	127.25
MONROE	n/a	RIDGEWAY AVE	Rochester	127.25
MONROE	n/a	ST PAUL ST	Rochester	127.25
MONROE	NY31	BROAD ST W	Rochester	127.25
MONROE	n/a	BUFFALO RD	Rochester	127.25
MONROE	n/a	MAIN ST WEST	Rochester	127.25
MONROE	n/a	MONROE AVE	Rochester	127.25
MONROE	n/a	MAIN ST EAST	Rochester	127.25
MONROE	n/a	MAIN ST EAST	Rochester	127.25
MONROE	n/a	ST PAUL ST	Rochester	127.25
MONROE	n/a	NORTH ST	Rochester	127.25
MONROE	n/a	PORTLAND AVE	Rochester	127.25
MONROE	n/a	PORTLAND AVE	Rochester	127.25
MONROE	n/a	PORTLAND AVE	Rochester	127.25
MONROE	n/a	HUDSON AVE	Rochester	127.25
MONROE	n/a	CLINTON AVE N	Rochester	127.25
MONROE	n/a	RIDGE RD	Irondequoit	127.25
MONROE	n/a	NORTON ST	Rochester	127.25
MONROE	n/a	NORTON ST	Rochester	127.25
MONROE	n/a	WINTON RD N	Rochester	127.25
MONROE	n/a	GOODMAN ST N	Rochester	127.25
MONROE	n/a	MAIN ST EAST	Rochester	127.25
MONROE	n/a	MAIN ST EAST	Rochester	127.25

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	n/a	UNIVERSITY AVE	Rochester	127.25
MONROE	n/a	UNIVERSITY AVE	Rochester	127.25
MONROE	n/a	ALEXANDER ST	Rochester	127.25
MONROE	n/a	MAIN ST WEST	Rochester	127.25
MONROE	n/a	MAIN ST WEST	Rochester	127.25
MONROE	n/a	CLINTON AVE N	Rochester	127.25
MONROE	n/a	MAIN ST EAST	Rochester	127.25
MONROE	n/a	NORTH ST	Rochester	127.25
WYOMING	n/a	SALTVALE RD	Middlebury	127.25
WYOMING	n/a	VERNAL RD	Middlebury	127.25
WYOMING	n/a	VERNAL RD	Middlebury	127.25
WYOMING	n/a	CAPWELL RD	Middlebury	127.25
WYOMING	n/a	CAPWELL RD	Middlebury	127.25
MONROE	n/a	MONROE WAYNE CL	Webster	127
MONROE	n/a	MONROE WAYNE CL	Webster	127
MONROE	NY31	WOODBURY BLVD	Rochester	127
MONROE	n/a	THURSTON RD	Rochester	127
MONROE	n/a	MONROE WAYNE CL	Webster	127
ONTARIO	n/a	KENDALL ST	Clifton Springs	127
ONTARIO	NY21	S MAIN ST	Canandaigua	127
ONTARIO	NY21	S MAIN ST	Canandaigua	127
ONTARIO	NY332	N MAIN ST	Canandaigua	127
ONTARIO	NY332	N MAIN ST	Canandaigua	127
ONTARIO	NY21	S MAIN ST	Canandaigua	127
ONTARIO	NY332	S MAIN ST	Canandaigua	127
SENECA	NY318	n/a	Tyre	127
SENECA	NY318	n/a	Junius	127
WAYNE	n/a	S BUTLER CONQUE	Butler	127
WAYNE	n/a	WAYNE CENTER-RO	Rose	127
GENESEE	n/a	STATE ST RD	Batavia	126.75
GENESEE	n/a	BANK ST	Batavia	126.75
MONROE	NY404	E MAIN ST	Webster	126.75
MONROE	n/a	FIVE MILE LINE	Penfield	126.75
MONROE	n/a	FIVE MILE LINE	Penfield	126.75
MONROE	n/a	UNIVERSITY AVE	Rochester	126.75
MONROE	n/a	DEWEY AVE	Rochester	126.75
MONROE	n/a	E RIVER RD	Henrietta	126.75
MONROE	n/a	CLINTON ST	Brockport	126.75

County	Route	Road Name	Municipality	Asset Vulnerability Score
ONTARIO	NY14	MAIN ST	Geneva	126.75
ONTARIO	NY14	EXCHANGE ST	Geneva	126.75
ONTARIO	n/a	EXCHANGE ST	Geneva	126.75
SENECA	NY414	n/a	Romulus	126.75
SENECA	NY96	n/a	Romulus	126.75
SENECA	NY414	n/a	Varick	126.75
SENECA	NY414	n/a	Varick	126.75
WAYNE	n/a	MURRAY ST	Newark	126.75
YATES	NY364	n/a	Benton	126.75
YATES	NY364	n/a	Potter	126.75
MONROE	NY64	n/a	Pittsford	126.5
MONROE	n/a	MITCHELL RD	Greece	126.5
MONROE	n/a	RIDGEWAY AVE	Greece	126.5
MONROE	NY590	n/a	Irondequoit	126.5
MONROE	n/a	HOLT RD	Webster	126
MONROE	n/a	NORTH ST	Rochester	126
MONROE	n/a	JOSEPH AVE	Rochester	126
MONROE	n/a	AMES ST	Rochester	126
MONROE	n/a	DRIVING PARK AV	Rochester	126
MONROE	n/a	SENECA AVE	Rochester	126
MONROE	n/a	SENECA AVE	Rochester	126
SENECA	NY96	n/a	Waterloo	126
MONROE	n/a	VICTOR RD	Perinton	125.75
MONROE	NY286	n/a	Penfield	125.75
MONROE	n/a	LINDEN AVE	Pittsford	125.75
MONROE	n/a	WHITNEY RD	Perinton	125.75
MONROE	n/a	VICTOR RD	Perinton	125.75
ONTARIO	US20	n/a	West Bloomfield	125.75
GENESEE	n/a	TOWN LINE RD	Stafford	125.5
GENESEE	n/a	TRANSIT RD	Stafford	125.5
GENESEE	n/a	RANDALL RD	Le Roy	125.5
GENESEE	n/a	MORGANVILLE	Stafford	125.5
GENESEE	n/a	HORSESHOE LAKE	Stafford	125.5
GENESEE	n/a	HICKOX RD	Alexander	125.5
GENESEE	n/a	WILKINSON RD	Batavia	125.5
GENESEE	n/a	TOWNLINE RD	Oakfield	125.5
GENESEE	n/a	AKRON	Pembroke	125.5
GENESEE	n/a	VINE ST	Batavia	125.5

County	Route	Road Name	Municipality	Asset Vulnerability Score
GENESEE	n/a	BANK ST	Batavia	125.5
GENESEE	n/a	DODGESON RD	Alexander	125.5
GENESEE	n/a	LEDGE RD	Alabama	125.5
GENESEE	n/a	LEDGE RD	Oakfield	125.5
GENESEE	n/a	LEWISTON RD	Oakfield	125.5
GENESEE	n/a	TOWN LINE RD	Batavia	125.5
GENESEE	n/a	BANK ST	Batavia	125.5
GENESEE	n/a	UNION ST	Batavia	125.5
GENESEE	n/a	MAPLE ST RD	Alabama	125.5
GENESEE	n/a	AKRON	Pembroke	125.5
GENESEE	n/a	MAPLE ST RD	Alabama	125.5
GENESEE	n/a	PERRY RD	Pavilion	125.5
GENESEE	n/a	TOWN LINE RD	Elba	125.5
LIVINGSTON	n/a	SCHOOL ST	Dansville	125.5
LIVINGSTON	n/a	SPRUCE ST	Dansville	125.5
LIVINGSTON	n/a	KNOX ST	Dansville	125.5
LIVINGSTON	NY256	n/a	North Dansville	125.5
LIVINGSTON	n/a	RIVER RD	Caledonia	125.5
LIVINGSTON	n/a	CENTER ST	Caledonia	125.5
LIVINGSTON	n/a	LEONARD ST	Dansville	125.5
MONROE	n/a	HIGH ST	Fairport	125.5
MONROE	n/a	ATLANTIC AVE	Rochester	125.5
MONROE	n/a	LATONA RD	Greece	125.5
MONROE	n/a	PAUL RD	Chili	125.5
MONROE	NY33	n/a	Chili	125.5
MONROE	NY33	n/a	Chili	125.5
MONROE	NY33A	n/a	Chili	125.5
MONROE	n/a	COLBY ST	Sweden	125.5
MONROE	n/a	BRICK SCHOOL HO	Hamlin	125.5
MONROE	NY261	n/a	Greece	125.5
MONROE	NY18	n/a	Greece	125.5
MONROE	NY261	n/a	Greece	125.5
MONROE	n/a	LAKE SHORE BLVD	Rochester	125.5
MONROE	n/a	DORSEY RD	Greece	125.5
MONROE	n/a	W SWEDEN RD	Sweden	125.5
MONROE	NY261	n/a	Greece	125.5
MONROE	n/a	LEXINGTON AVE	Rochester	125.5
ONTARIO	n/a	JAY ST	Geneva	125.5

County	Route	Road Name	Municipality	Asset Vulnerability Score
ONTARIO	NY14A	n/a	Seneca	125.5
ONTARIO	n/a	WHITE SPRING RD	Geneva	125.5
ONTARIO	n/a	REEDS CORNERS G	Gorham	125.5
ONTARIO	n/a	W WASHINGTON ST	Geneva	125.5
ONTARIO	NY364	n/a	Gorham	125.5
ONTARIO	n/a	REED ST	Geneva	125.5
ONTARIO	n/a	JAY ST	Geneva	125.5
ONTARIO	n/a	WHITE SPRING RD	Geneva	125.5
ORLEANS	n/a	S HOLLEY RD	Clarendon	125.5
ORLEANS	n/a	EAST BARRE RD	Barre	125.5
ORLEANS	n/a	S HOLLEY RD	Clarendon	125.5
ORLEANS	n/a	JACKSON RD	Clarendon	125.5
ORLEANS	n/a	PARK AVE	Carlton	125.5
ORLEANS	n/a	PETER SMITH RD	Kendall	125.5
ORLEANS	n/a	HULBERTON RD	Murray	125.5
ORLEANS	n/a	KENT RD	Gaines	125.5
ORLEANS	n/a	TELEGRAPH RD	Murray	125.5
ORLEANS	n/a	SAWYER RD	Gaines	125.5
ORLEANS	n/a	SAWYER RD	Carlton	125.5
ORLEANS	n/a	EAGLE HARBOR RD	Albion	125.5
ORLEANS	n/a	W COUNTY HOUSE	Albion	125.5
ORLEANS	NY98	N MAIN ST	Albion	125.5
ORLEANS	n/a	KING ST	Albion	125.5
ORLEANS	n/a	BANK ST	Albion	125.5
ORLEANS	n/a	BANK ST	Albion	125.5
ORLEANS	n/a	EAGLE HARBOR RD	Barre	125.5
SENECA	n/a	n/a	Ovid	125.5
SENECA	NY89	n/a	Fayette	125.5
YATES	n/a	ITALY HILL RD	Italy	125.5
YATES	n/a	ITALY HILL RD	Italy	125.5
YATES	n/a	HIMROD RD	Milo	125.5
YATES	n/a	FERGUSON CORNER	Benton	125.5
YATES	n/a	WALNUT ST	Penn Yan	125.5
YATES	n/a	PRE EMPTION RD	Benton	125.5
YATES	n/a	PRE EMPTION RD	Benton	125.5
YATES	NY230	n/a	Barrington	125.5
YATES	n/a	ASSEMBLY AVE	Jerusalem	125.5
YATES	n/a	ASSEMBLY AVE	Jerusalem	125.5

County	Route	Road Name	Municipality	Asset Vulnerability Score
YATES	NY14A	n/a	Starkey	125.5
YATES	n/a	LAKEMONT-HIMROD	Milo	125.5
MONROE	NY251	n/a	Mendon	125.25
MONROE	NY15	n/a	Rush	125.25
MONROE	n/a	E RIVER RD	Rush	125.25
MONROE	n/a	PHILLIPS RD	Webster	124.75
MONROE	n/a	EAST ST	Pittsford	124.75
ONTARIO	n/a	BRISTOL SPGS-RH	South Bristol	124.75
SENECA	n/a	WILLIAMS ST	Waterloo	124.75
GENESEE	n/a	BANK ST RD	Batavia	124.25
GENESEE	n/a	NORTH ST	Batavia	124.25
GENESEE	n/a	EAST AVE	Batavia	124.25
GENESEE	n/a	WASHINGTON AVE	Batavia	124.25
GENESEE	n/a	WASHINGTON AVE	Batavia	124.25
GENESEE	n/a	WASHINGTON AVE	Batavia	124.25
GENESEE	n/a	WASHINGTON AVE	Batavia	124.25
GENESEE	n/a	RICHMOND AVE	Batavia	124.25
GENESEE	n/a	WASHINGTON AVE	Batavia	124.25
GENESEE	n/a	WASHINGTON AVE	Batavia	124.25
LIVINGSTON	n/a	MCCURDY RD	Ossian	124.25
LIVINGSTON	n/a	POKAMOONSHINE RD	Springwater	124.25
LIVINGSTON	n/a	POKAMOONSHINE RD	Springwater	124.25
LIVINGSTON	n/a	POKAMOONSHINE RD	Springwater	124.25
LIVINGSTON	n/a	TABORS CORNERS	Springwater	124.25
LIVINGSTON	n/a	WHEATON HILL RD	Springwater	124.25
LIVINGSTON	n/a	CARNEY HOLLOW R	Springwater	124.25
MONROE	n/a	DRIVING PARK AV	Rochester	124.25
MONROE	n/a	BAILEY ROAD	Henrietta	124.25
MONROE	n/a	GLIDE ST	Rochester	124.25
MONROE	n/a	WEST SIDE DR	Gates	124.25
MONROE	n/a	NORTH AVE	Greece	124.25
MONROE	NY386	COLDWATER RD	Gates	124.25
MONROE	n/a	LYELL RD	Gates	124.25
MONROE	n/a	ENGLISH RD	Greece	124.25
MONROE	n/a	ENGLISH RD	Greece	124.25
MONROE	n/a	NORTH AVE	Greece	124.25
MONROE	n/a	GLIDE ST	Rochester	124.25
ONTARIO	n/a	REEDS CORNERS G	Gorham	124.25

County	Route	Road Name	Municipality	Asset Vulnerability Score
SENECA	n/a	YELLOW TAVRN RD	Fayette	124.25
YATES	n/a	N VINE VALLEY	Middlesex	124.25
YATES	n/a	GUYANOGA RD	Jerusalem	124.25
YATES	n/a	GUYANOGA RD	Jerusalem	124.25
YATES	n/a	FRIEND RD	Jerusalem	124.25
YATES	n/a	ITALY HILL TPK	Italy	124.25
YATES	n/a	FRIEND RD	Potter	124.25
YATES	n/a	LAKEMONT HIMROD	Starkey	124.25
YATES	n/a	LAKEMONT HIMROD	Starkey	124.25
YATES	n/a	SEVERNE	Milo	124.25
YATES	n/a	RIDGE RD	Torrey	124.25
YATES	n/a	RIDGE RD	Torrey	124.25
YATES	n/a	RIDGE RD	Milo	124.25
YATES	n/a	RIDGE RD	Milo	124.25
YATES	n/a	RIDGE RD	Milo	124.25
YATES	n/a	BELLONA STATION	Benton	124.25
YATES	n/a	SIX CORNERS	Barrington	124.25
YATES	n/a	CHUBB HOLLOW	Milo	124.25
YATES	n/a	HAVENS CORNERS	Torrey	124.25
YATES	n/a	HAVENS CORNERS	Benton	124.25
YATES	n/a	HAVENS CORNERS	Benton	124.25
YATES	n/a	TRAVIS	Torrey	124.25
YATES	n/a	VOAK RD	Potter	124.25
YATES	n/a	CITY HILL RD	Torrey	124.25
YATES	n/a	VOAK RD	Potter	124.25
YATES	n/a	SECOND MILO	Milo	124.25
YATES	n/a	CITY HILL RD	Torrey	124.25
YATES	n/a	ROCKSTREAM	Starkey	124.25
YATES	n/a	ROCKSTREAM	Starkey	124.25
YATES	n/a	DUNDEE STARKEY	Starkey	124.25
YATES	n/a	RIDGE RD	Torrey	124.25
MONROE	NY31F	n/a	Perinton	124
MONROE	940U	W COMMERCIAL ST	East Rochester	124
MONROE	NY31F	n/a	Pittsford	124
MONROE	NY31F	n/a	Pittsford	124
MONROE	n/a	WINTON RD S	Henrietta	124
MONROE	n/a	REEVES RD	Pittsford	124
MONROE	n/a	TELEPHONE RD	Henrietta	124

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	940H	River Rd	Wheatland	124
MONROE	n/a	LAKE AVE	Rochester	124
MONROE	NY31F	n/a	Perinton	124
ONTARIO	n/a	GENESEE ST	Geneva	124
SENECA	NY414	n/a	Seneca Falls	124
WAYNE	NY88	N MAIN ST	Newark	124
ONTARIO	NY21	n/a	Hopewell	123.75
ONTARIO	NY21	n/a	Canandaigua	123.75
ONTARIO	n/a	ENNERDALE-HOPEW	Hopewell	123.75
ORLEANS	NY31E	W CENTER ST	Medina	123.75
SENECA	n/a	RIVER RD	Seneca Falls	123.75
MONROE	n/a	RIDGE RD	Irondequoit	123.5
WAYNE	n/a	E UNION ST	Newark	123.5
WAYNE	NY31	E UNION ST	Newark	123.5
MONROE	NY250	n/a	Perinton	123.25
ONTARIO	n/a	E NORTH ST	Geneva	123.25
ONTARIO	n/a	WEST AVE	Canandaigua	123.25
ONTARIO	n/a	WEST AVE	Canandaigua	123.25
ONTARIO	n/a	WEST AVE	Canandaigua	123.25
WAYNE	n/a	STAFFORD ST	Palmyra	123.25
YATES	NY54	CLINTON ST	Penn Yan	123.25
YATES	NY54	ELM ST	Penn Yan	123.25
SENECA	n/a	BORDER CITY RD	Waterloo	123
LIVINGSTON	NY36	CLARA BARTON ST	Dansville	122.75
MONROE	n/a	NORTON ST	Irondequoit	122.75
MONROE	NY590	n/a	Irondequoit	122.75
MONROE	n/a	LINDEN AVE	East Rochester	122.75
MONROE	n/a	RIDGE RD	Irondequoit	122.75
MONROE	NY252	n/a	Henrietta	122.75
MONROE	n/a	CULVER RD	Rochester	122.75
MONROE	n/a	TITUS AVE	Irondequoit	122.75
MONROE	n/a	TITUS AVE	Irondequoit	122.75
MONROE	n/a	GOODMAN ST N	Irondequoit	122.75
MONROE	n/a	TITUS AVE	Irondequoit	122.75
MONROE	n/a	TITUS AVE	Irondequoit	122.75
MONROE	n/a	PORTLAND AVE	Irondequoit	122.75
MONROE	n/a	EAST AVE	Rochester	122.75
MONROE	n/a	EAST AVE	Rochester	122.75

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	n/a	CULVER RD	Rochester	122.75
MONROE	n/a	GOODMAN ST N	Rochester	122.75
MONROE	n/a	GOODMAN ST N	Rochester	122.75
MONROE	n/a	BRIGHTON HENRIE	Brighton	122.75
MONROE	n/a	HYLAN DR	Henrietta	122.75
MONROE	n/a	NO 6 HONEOYE FL	Mendon	122.75
MONROE	NY15A	n/a	Henrietta	122.75
MONROE	NY15A	n/a	Henrietta	122.75
MONROE	n/a	BRIGHTON HENRIE	Brighton	122.75
MONROE	NY15A	n/a	Henrietta	122.75
MONROE	NY15A	n/a	Henrietta	122.75
MONROE	n/a	NO 6 HONEOYE FA	Rush	122.75
MONROE	n/a	TELEPHONE RD	Rush	122.75
MONROE	n/a	BRIGHTON HENRIE	Brighton	122.75
MONROE	n/a	CULVER RD	Rochester	122.75
MONROE	n/a	CULVER RD	Rochester	122.75
MONROE	n/a	RIDGE RD	Irondequoit	122.75
MONROE	n/a	RIDGE RD	Irondequoit	122.75
MONROE	n/a	PORTLAND AVE	Irondequoit	122.75
MONROE	n/a	WINTON RD N	Rochester	122.75
MONROE	n/a	BRIGHTON HENRIE	Brighton	122.75
SENECA	NY414	n/a	Seneca Falls	122.75
LIVINGSTON	n/a	SHORT TRACT RD	Mount Morris	122.5
LIVINGSTON	NY36	OSSIAN ST	Dansville	122.5
LIVINGSTON	NY15A	n/a	Lima	122.5
LIVINGSTON	n/a	AGAR RD	Avon	122.5
LIVINGSTON	US20A	n/a	Geneseo	122.5
MONROE	n/a	CALKINS RD	Pittsford	122.5
ONTARIO	NY251	n/a	Victor	122.5
ONTARIO	NY251	n/a	Victor	122.5
ORLEANS	n/a	OHIO ST	Medina	122.5
ORLEANS	n/a	PARK AVE	Medina	122.5
ORLEANS	n/a	PARK AVE	Medina	122.5
YATES	n/a	NORTH AVE	Penn Yan	122.25
LIVINGSTON	NY15	n/a	Avon	122
LIVINGSTON	NY39	n/a	Avon	122
LIVINGSTON	NY36	n/a	Leicester	122
LIVINGSTON	NY15	n/a	Avon	122

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	n/a	TURK HILL RD	Perinton	122
MONROE	n/a	TURK HILL RD	Perinton	122
MONROE	NY441	n/a	Penfield	122
MONROE	NY250	n/a	Perinton	122
MONROE	NY96	n/a	Perinton	122
MONROE	NY96	n/a	Perinton	122
MONROE	NY96	E JEFFERSON RD	Pittsford	122
MONROE	n/a	BROAD ST E	Rochester	122
MONROE	n/a	SOUTH AVE	Rochester	122
MONROE	n/a	TURK HILL RD	Perinton	122
MONROE	n/a	SOUTH AVE	Rochester	122
ONTARIO	NY14	MAIN ST	Geneva	122
ONTARIO	n/a	MAIN ST	Geneva	122
ONTARIO	NY21	n/a	Manchester	122
ONTARIO	NY21	n/a	Manchester	122
ONTARIO	n/a	LAKE SHORE DR	Canandaigua	122
YATES	961H	Spur Rd	Torrey	121.75
LIVINGSTON	n/a	LONG POINT RD	Geneseo	121.25
LIVINGSTON	n/a	YORK RD W	York	121.25
ONTARIO	n/a	HIGH ST	Victor	121.25
ONTARIO	n/a	MONROE C L-THOM	Farmington	121.25
ONTARIO	n/a	MONROE C L-THOM	Farmington	121.25
ONTARIO	n/a	MAIN ST-FISHERS	Victor	121.25
GENESEE	n/a	LINWOOD RD	Le Roy	121
GENESEE	n/a	YORK CENTER	Pavilion	121
GENESEE	n/a	EAST	Bethany	121
GENESEE	n/a	EAST	Bethany	121
GENESEE	n/a	PERRY RD	Pavilion	121
GENESEE	n/a	PERRY RD	Pavilion	121
MONROE	NY286	n/a	Penfield	121
MONROE	n/a	WINTON RD N	Irondequoit	121
MONROE	NY286	n/a	Penfield	121
MONROE	n/a	BROWNCROFT BLVD	Rochester	121
MONROE	NY96	EAST AVE	Rochester	121
MONROE	n/a	NORTON ST	Rochester	121
MONROE	n/a	CLIFFORD AVE	Rochester	121
MONROE	n/a	CLIFFORD AVE	Rochester	121
MONROE	n/a	CLIFFORD AVE	Rochester	121

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	n/a	UNION ST N	Rochester	121
MONROE	n/a	ALEXANDER ST	Rochester	121
MONROE	n/a	ALEXANDER ST	Rochester	121
MONROE	n/a	CLINTON AVE S	Rochester	121
MONROE	n/a	EAST AVE	Rochester	121
MONROE	n/a	HUDSON AVE	Rochester	121
MONROE	n/a	CENTRAL PK	Rochester	121
MONROE	n/a	CENTRAL PK	Rochester	121
MONROE	n/a	SOUTH AVE	Rochester	121
MONROE	n/a	CLINTON AVE S	Rochester	121
MONROE	n/a	BYRON ST	Rochester	121
MONROE	n/a	COURT ST	Rochester	121
MONROE	n/a	COURT ST	Rochester	121
MONROE	n/a	ALEXANDER ST	Rochester	121
MONROE	n/a	UNION ST N	Rochester	121
MONROE	NY31	BROAD ST E	Rochester	121
MONROE	NY31	BROAD ST E	Rochester	121
MONROE	n/a	NORTON ST	Rochester	121
MONROE	n/a	BROAD ST W	Rochester	121
MONROE	n/a	HIGHLAND AVE	Rochester	121
MONROE	n/a	DEWEY AVE	Rochester	121
MONROE	n/a	CLIFFORD AVE	Rochester	121
MONROE	n/a	CLINTON AVE N	Rochester	121
MONROE	n/a	CLINTON AVE N	Rochester	121
MONROE	n/a	MT HOPE AVE	Rochester	121
MONROE	n/a	RIDGE RD E	Rochester	121
MONROE	n/a	RIDGE RD E	Rochester	121
MONROE	n/a	ANDREWS ST	Rochester	121
MONROE	n/a	ST PAUL ST	Rochester	121
MONROE	n/a	ST PAUL ST	Rochester	121
MONROE	n/a	LEXINGTON AVE	Rochester	121
MONROE	n/a	ELMWOOD AVE	Brighton	121
MONROE	n/a	BROOKS AVE	Rochester	121
MONROE	n/a	DEWEY AVE	Rochester	121
MONROE	n/a	CLINTON AVE S	Rochester	121
MONROE	n/a	SOUTH AVE	Rochester	121
MONROE	n/a	EAST AVE	Rochester	121
MONROE	n/a	ANDREWS ST	Rochester	121

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	n/a	CLINTON AVE N	Rochester	121
MONROE	n/a	CLINTON AVE N	Rochester	121
MONROE	n/a	CENTRAL PK	Rochester	121
MONROE	n/a	CLIFFORD AVE	Rochester	121
MONROE	n/a	ALEXANDER ST	Rochester	121
MONROE	NY286	n/a	Penfield	121
ONTARIO	n/a	SILVER ST	Manchester	121
ONTARIO	n/a	GYPSUM-WAYNE C	Manchester	121
ONTARIO	n/a	FIVE WATERS CLI	Phelps	121
ONTARIO	n/a	SCHROO RD	Phelps	121
ONTARIO	n/a	MONROE C L-THOM	Victor	121
SENECA	n/a	STATE ST	Seneca Falls	121
SENECA	n/a	EAST BAYARD ST	Seneca Falls	121
SENECA	n/a	EAST BAYARD ST	Seneca Falls	121
WAYNE	n/a	FISHER RD	Ontario	121
WYOMING	n/a	LAGRANGE RD	Covington	121
WYOMING	n/a	W MIDDLEBURY RD	Middlebury	121
WYOMING	n/a	DALE RD	Middlebury	121
WYOMING	n/a	TRANSIT RD T/L	Covington	121
LIVINGSTON	NY15A	n/a	Lima	120.75
ONTARIO	US20	n/a	Geneva	120.75
ONTARIO	US20	n/a	Geneva	120.75
ONTARIO	NY21	S MAIN ST	Canandaigua	120.75
ONTARIO	NY21	S MAIN ST	Canandaigua	120.75
ONTARIO	n/a	PADELFORD-FARMI	Farmington	120.75
MONROE	NY64	n/a	Pittsford	120.25
SENECA	n/a	E BAYARD RD	Seneca Falls	120.25
ONTARIO	n/a	MANCHESTER CTR-	Manchester	120
MONROE	n/a	MERCHANTS RD	Rochester	119.75
MONROE	NY31	WOODBURY BLVD	Rochester	119.75
MONROE	n/a	CARTER ST	Rochester	119.75
MONROE	n/a	CARTER ST	Rochester	119.75
MONROE	n/a	CENTRAL AVE	Rochester	119.75
MONROE	n/a	NORTH ST	Rochester	119.75
MONROE	n/a	NORTH ST	Rochester	119.75
MONROE	n/a	NORTH ST	Rochester	119.75
MONROE	n/a	HIGHLAND AVE	Brighton	119.75
MONROE	n/a	HIGHLAND AVE	Brighton	119.75

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	n/a	HIGHLAND AVE	Rochester	119.75
MONROE	n/a	HIGHLAND AVE	Rochester	119.75
MONROE	n/a	UNION ST N	Rochester	119.75
MONROE	n/a	BAY ST	Rochester	119.75
MONROE	n/a	BAY ST	Rochester	119.75
MONROE	n/a	CARTER ST	Rochester	119.75
MONROE	n/a	CARTER ST	Rochester	119.75
MONROE	n/a	ATLANTIC AVE	Rochester	119.75
MONROE	n/a	AVE D	Rochester	119.75
MONROE	n/a	PARK AVE	Rochester	119.75
MONROE	n/a	SCIO ST	Rochester	119.75
MONROE	n/a	MERCHANTS RD	Rochester	119.75
MONROE	n/a	CRITTENDEN RD	Brighton	119.75
MONROE	n/a	CENTRAL AVE	Rochester	119.75
MONROE	n/a	CENTRAL AVE	Rochester	119.75
MONROE	n/a	AMES ST	Rochester	119.75
MONROE	n/a	BROWN ST	Rochester	119.75
MONROE	n/a	JOSEPH AVE	Rochester	119.75
MONROE	n/a	JOSEPH AVE	Rochester	119.75
MONROE	n/a	JOSEPH AVE	Rochester	119.75
MONROE	n/a	CHILD ST	Rochester	119.75
MONROE	n/a	CHILD ST	Rochester	119.75
MONROE	n/a	JAY ST	Rochester	119.75
MONROE	n/a	DRIVING PARK AV	Rochester	119.75
MONROE	n/a	ARNETT BLVD	Rochester	119.75
MONROE	n/a	AVE D	Rochester	119.75
MONROE	n/a	AVE D	Rochester	119.75
MONROE	n/a	ARNETT BLVD	Rochester	119.75
MONROE	n/a	GENESEE PARK BL	Rochester	119.75
MONROE	n/a	THURSTON RD	Rochester	119.75
MONROE	n/a	THURSTON RD	Rochester	119.75
MONROE	n/a	GENESEE PARK BL	Rochester	119.75
MONROE	n/a	CHILD ST	Rochester	119.75
MONROE	n/a	SCIO ST	Rochester	119.75
LIVINGSTON	n/a	RIVER RD	Caledonia	119.5
LIVINGSTON	n/a	DALEY RD	Caledonia	119.5
MONROE	NY153	WASHINGTON RD	Pittsford	119.5
MONROE	n/a	VICTOR RD	Perinton	119.5

County	Route	Road Name	Municipality	Asset Vulnerability Score
ONTARIO	n/a	SHORTSVILLE-CLI	Phelps	119.5
ONTARIO	n/a	MANCHESTER CTR	Manchester	119.5
ONTARIO	NY64	n/a	West Bloomfield	119.5
ONTARIO	NY64	n/a	West Bloomfield	119.5
WAYNE	n/a	FOSTER ST EAST	Palmyra	119.5
WAYNE	n/a	FOSTER ST WEST	Palmyra	119.5
MONROE	n/a	ALDRICH RD	Perinton	119.25
MONROE	n/a	CARTER RD	Perinton	119.25
MONROE	n/a	FETZNER RD	Greece	119.25
MONROE	n/a	LEHIGH STA RD	Henrietta	119.25
MONROE	n/a	MILL RD	Greece	119.25
MONROE	n/a	MT READ BLVD	Greece	119.25
MONROE	n/a	FETZNER RD	Greece	119.25
MONROE	n/a	FETZNER RD	Greece	119.25
MONROE	n/a	DURAND BLVD	Irondequoit	119.25
MONROE	n/a	DURAND BLVD	Irondequoit	119.25
MONROE	n/a	FRISBEE HILL RD	Greece	119.25
SENECA	NY96	n/a	Waterloo	118.5
SENECA	NY96	n/a	Waterloo	118.5
MONROE	NY96	N MAIN ST	Pittsford	118.25
MONROE	NY31	n/a	Pittsford	118.25
MONROE	NY96	n/a	Brighton	118.25
MONROE	NY96	n/a	Brighton	118.25
MONROE	NY286	n/a	Penfield	118.25
MONROE	n/a	KREAG RD	Perinton	118.25
MONROE	NY96	S MAIN ST	Pittsford	118.25
MONROE	NY286	n/a	Penfield	118.25
GENESEE	n/a	CEDAR ST	Batavia	118
GENESEE	n/a	ASSY R S HAWLEY DR	Batavia	118
GENESEE	n/a	STATE ST	Batavia	118
GENESEE	n/a	STATE ST	Batavia	118
GENESEE	n/a	DENIO ST	Batavia	118
GENESEE	n/a	ELLCOTT AVE	Batavia	118
GENESEE	n/a	ROSS ST	Batavia	118
GENESEE	n/a	VINE ST	Batavia	118
GENESEE	n/a	VINE ST	Batavia	118
GENESEE	n/a	ROSS ST	Batavia	118
GENESEE	n/a	EAST AVE	Batavia	118

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	n/a	MAPLE ST	Rochester	118
MONROE	n/a	HINCHEY RD	Gates	118
MONROE	n/a	MAPLE ST	Rochester	118
MONROE	n/a	JAY ST	Rochester	118
MONROE	n/a	GLIDE ST	Rochester	118
MONROE	n/a	OTIS ST	Rochester	118
MONROE	n/a	OTIS ST	Rochester	118
MONROE	n/a	STONY POINT RD	Ogden	118
MONROE	n/a	WEST SIDE DR	Gates	118
MONROE	n/a	PIXLEY RD	Chili	118
MONROE	n/a	GILLETT RD	Ogden	118
MONROE	n/a	LYELL RD	Ogden	118
MONROE	NY18	n/a	Parma	118
MONROE	n/a	HINCHEY RD	Gates	118
MONROE	n/a	GLIDE ST	Rochester	118
MONROE	n/a	GLIDE ST	Rochester	118
MONROE	n/a	JAY ST	Rochester	118
ONTARIO	n/a	CROSS ST	Naples	118
ONTARIO	n/a	GORHAM-FERGUSON	Seneca	118
ONTARIO	n/a	HOPEWELL-GORHAM	Gorham	118
ONTARIO	n/a	GORHAM-YATES C	Gorham	118
ORLEANS	n/a	STATE SCHOOL RD	Albion	118
ORLEANS	n/a	BANK ST	Albion	118
ORLEANS	n/a	BANK ST	Albion	118
ORLEANS	n/a	CLARENDON ST	Albion	118
ORLEANS	n/a	PLATT ST	Albion	118
ORLEANS	n/a	PLATT ST	Albion	118
ORLEANS	n/a	INGERSOLL ST	Albion	118
ORLEANS	n/a	INGERSOLL ST	Albion	118
ORLEANS	n/a	LINWOOD AVE	Albion	118
ORLEANS	n/a	STATE ST	Albion	118
ORLEANS	n/a	CHAMBERLAIN ST	Albion	118
ORLEANS	n/a	CAROLINE ST	Albion	118
ORLEANS	n/a	BROWN ST	Albion	118
ORLEANS	n/a	STATE ST	Albion	118
ORLEANS	n/a	STATE ST	Albion	118
ORLEANS	n/a	STATE ST	Albion	118
ORLEANS	n/a	STATE ST	Albion	118

County	Route	Road Name	Municipality	Asset Vulnerability Score
ORLEANS	n/a	STATE ST	Albion	118
ORLEANS	n/a	STATE ST	Albion	118
ORLEANS	n/a	PLATT ST	Albion	118
SENECA	n/a	n/a	Varick	118
SENECA	n/a	n/a	Lodi	118
SENECA	n/a	n/a	Lodi	118
SENECA	n/a	YELLOW TAVERN R	Fayette	118
SENECA	n/a	CANOGA STREET	Fayette	118
SENECA	n/a	YELLOW TAVERN R	Fayette	118
SENECA	n/a	YELLOW TAVERN R	Fayette	118
WAYNE	n/a	STUART AVE	Newark	118
YATES	n/a	W SWAMP	Potter	118
YATES	n/a	READING	Starkey	118
YATES	n/a	SKYLINE	Jerusalem	118
YATES	n/a	RIDGE RD	Benton	118
YATES	n/a	PEPPER	Jerusalem	118
YATES	n/a	SKYLINE	Jerusalem	118
YATES	n/a	PRE EMPTION	Barrington	118
MONROE	n/a	ERIE STA RD	Henrietta	117.75
MONROE	n/a	ST PAUL BLVD	Irondequoit	117.75
MONROE	n/a	FIVE MILE LINE	Penfield	117.75
WAYNE	NY88	S MAIN ST	Newark	117.75
WAYNE	NY88	S MAIN ST	Newark	117.75
WAYNE	n/a	VAN BUREN ST	Newark	117.75
WAYNE	n/a	VAN BUREN ST	Newark	117.75
ONTARIO	NY444	n/a	East Bloomfield	117.5
ONTARIO	NY444	n/a	East Bloomfield	117.5
MONROE	NY250	n/a	Webster	117.25
MONROE	n/a	PHILLIPS RD	Webster	117.25
MONROE	n/a	SALT RD	Penfield	117.25
SENECA	n/a	WILLIAMS ST	Waterloo	117.25
MONROE	n/a	AYRAULT RD	Perinton	117
MONROE	n/a	PENFIELD RD	Brighton	117
MONROE	n/a	BAIRD RD	Perinton	117
MONROE	n/a	BAIRD RD	Perinton	117
ONTARIO	n/a	N MAIN ST	Geneva	117
ONTARIO	n/a	CASTLE ST	Geneva	117
ONTARIO	n/a	BRISTOL ST	Canandaigua	117

County	Route	Road Name	Municipality	Asset Vulnerability Score
YATES	NY364	n/a	Jerusalem	117
ONTARIO	n/a	CASTLE ST	Geneva	116.75
ONTARIO	n/a	PRE EMPTION RD	Geneva	116.75
GENESEE	n/a	SOUTH ST	Pavilion	116.5
GENESEE	n/a	LINWOOD RD	Pavilion	116.5
GENESEE	n/a	YORK CENTER	Pavilion	116.5
GENESEE	n/a	SOUTH ST	Pavilion	116.5
GENESEE	n/a	PERRY RD	Pavilion	116.5
LIVINGSTON	n/a	ELIZABETH ST	Dansville	116.5
MONROE	NY96	n/a	Brighton	116.5
MONROE	NY253	n/a	Henrietta	116.5
MONROE	n/a	NORTON ST	Rochester	116.5
MONROE	n/a	NORTON ST	Rochester	116.5
MONROE	n/a	NORTON ST	Rochester	116.5
MONROE	n/a	BLOSSOM RD	Rochester	116.5
MONROE	n/a	CULVER RD	Rochester	116.5
MONROE	n/a	CULVER RD	Rochester	116.5
MONROE	n/a	CLIFFORD AVE	Rochester	116.5
MONROE	n/a	ST PAUL BLVD	Irondequoit	116.5
MONROE	n/a	PHELPS RD	Rush	116.5
MONROE	n/a	WORKS RD	Rush	116.5
MONROE	n/a	SOUTH RD	Wheatland	116.5
MONROE	n/a	LAKE AVE	Rochester	116.5
ONTARIO	n/a	W NORTH ST	Geneva	116.5
ONTARIO	n/a	N GENESEE ST	Geneva	116.5
ONTARIO	n/a	WEST AVE	Canandaigua	116.5
ONTARIO	n/a	CANANDAIGUA-HOP	Hopewell	116.5
SENECA	n/a	WEST BAYARD ST	Seneca Falls	116.5
SENECA	n/a	BALSLEY RD	Seneca Falls	116.5
SENECA	n/a	WEST BAYARD ST	Seneca Falls	116.5
WYOMING	n/a	LAGRANGE RD	Perry	116.5
YATES	n/a	MAIN ST	Penn Yan	116.5
LIVINGSTON	NY15A	n/a	Lima	116.25
LIVINGSTON	NY15	n/a	Avon	116.25
LIVINGSTON	942D	MARY JAMISON	Geneseo	116.25
ONTARIO	NY88	n/a	Phelps	116.25
ONTARIO	NY21	GIBSON ST	Canandaigua	116.25
ONTARIO	n/a	FLINT ORLEANS R	Phelps	116.25

County	Route	Road Name	Municipality	Asset Vulnerability Score
ONTARIO	NY21	n/a	Canandaigua	116.25
SENECA	NY96	n/a	Waterloo	116.25
LIVINGSTON	NY36	CLARA BARTON ST	Dansville	116
MONROE	n/a	KINGS HWY	Irondequoit	116
MONROE	n/a	CHESTNUT ST N	Rochester	116
MONROE	n/a	RIDGE RD	Irondequoit	116
ONTARIO	n/a	LAKE ST	Geneva	116
SENECA	NY414	n/a	Seneca Falls	116
LIVINGSTON	NY256	HEALTH ST	Dansville	115.75
LIVINGSTON	n/a	RED JACKET ST	Dansville	115.75
LIVINGSTON	n/a	COTTAGE STREET	Dansville	115.75
ONTARIO	n/a	BUFFALO ST EXT	Canandaigua	115.75
ONTARIO	n/a	MUAR ST	Canandaigua	115.75
SENECA	n/a	BRIDGE ST	Seneca Falls	115.75
SENECA	n/a	GARDEN ST	Seneca Falls	115.75
YATES	n/a	LAKE ST	Penn Yan	115.75
MONROE	943C	Calkins Rd	Pittsford	115.25
MONROE	n/a	CALKINS RD	Henrietta	115.25
MONROE	n/a	WARING RD	Rochester	115.25
MONROE	n/a	BAY ST	Rochester	115.25
MONROE	n/a	FORD ST	Rochester	115.25
MONROE	n/a	WARING RD	Rochester	115.25
MONROE	n/a	CARTER ST	Rochester	115.25
ONTARIO	NY364	n/a	Canandaigua	115.25
ONTARIO	NY364	n/a	Canandaigua	115.25
ONTARIO	n/a	HANNA RD	Canandaigua	115.25
LIVINGSTON	n/a	PERRY RD	Leicester	115
LIVINGSTON	n/a	BRONSON HILL RD	Avon	115
LIVINGSTON	n/a	TEMPLE HILL GRO	Geneseo	115
LIVINGSTON	n/a	GROVELAND RD	Geneseo	115
LIVINGSTON	n/a	BRONSON HILL RD	Livonia	115
LIVINGSTON	n/a	CENTER ST	Geneseo	115
LIVINGSTON	n/a	SECOND ST	Geneseo	115
LIVINGSTON	n/a	RESERVOIR RD	Geneseo	115
LIVINGSTON	n/a	NORTH ST	Geneseo	115
LIVINGSTON	n/a	LAKE RD	Avon	115
LIVINGSTON	n/a	HIGHLAND ROAD	Geneseo	115
LIVINGSTON	n/a	BRONSON HILL RD	Avon	115

County	Route	Road Name	Municipality	Asset Vulnerability Score
LIVINGSTON	n/a	CENTER ST	Geneseo	115
LIVINGSTON	n/a	NORTH ST	Geneseo	115
ONTARIO	n/a	MAIN ST	Clifton Springs	115
ONTARIO	n/a	MAIN ST	Clifton Springs	115
ONTARIO	n/a	BANKERT	Phelps	115
ONTARIO	n/a	CHURCH ST	Victor	115
ONTARIO	n/a	MONROE C L-THOM	Victor	115
ONTARIO	n/a	MONROE C L-THOM	Farmington	115
ONTARIO	n/a	LYNAUGH RD	Victor	115
ONTARIO	n/a	EAST ST	Canandaigua	115
ONTARIO	n/a	NORTH RD	Canandaigua	115
ONTARIO	NY64	n/a	East Bloomfield	115
ONTARIO	n/a	PRE EMPTION RD	Geneva	115
MONROE	n/a	BROADWAY	Rochester	114.75
MONROE	n/a	BROAD ST E	Rochester	114.75
MONROE	n/a	UNIVERSITY AVE	Rochester	114.75
MONROE	n/a	UNIVERSITY AVE	Rochester	114.75
MONROE	n/a	UNION ST S	Rochester	114.75
MONROE	n/a	UNION ST S	Rochester	114.75
MONROE	n/a	MORRIE SILVER WAY	Rochester	114.75
MONROE	n/a	STUTSON ST	Rochester	114.75
ONTARIO	NY21	n/a	Canandaigua	114.75
LIVINGSTON	n/a	STONES FALLS RD	North Dansville	114.5
MONROE	n/a	WATSON RD	Penfield	114.5
MONROE	n/a	WATSON RD	Perinton	114.5
MONROE	n/a	WATSON RD	Perinton	114.5
MONROE	n/a	WATSON RD	Perinton	114.5
ONTARIO	NY14	EXCHANGE ST	Geneva	114.5
ONTARIO	n/a	MAIN ST	Geneva	114.5
MONROE	n/a	GOODMAN ST N	Rochester	114.25
MONROE	n/a	GOODMAN ST S	Rochester	114.25
LIVINGSTON	n/a	OAK OPENING RD	Avon	113.75
LIVINGSTON	n/a	TRIPHAMMER RD	Geneseo	113.75
LIVINGSTON	n/a	TRIPHAMMER RD	Avon	113.75
LIVINGSTON	n/a	POLE BRIDGE RD	Avon	113.75
LIVINGSTON	n/a	POLE BRIDGE RD	Avon	113.75
LIVINGSTON	n/a	SOUTH LIMA RD	Lima	113.75
LIVINGSTON	n/a	SOUTH LIMA RD	Lima	113.75

County	Route	Road Name	Municipality	Asset Vulnerability Score
LIVINGSTON	n/a	GENESEE ST	Avon	113.75
LIVINGSTON	n/a	SUTTON RD	Avon	113.75
LIVINGSTON	n/a	LAKEVILLE-GROVE	Geneseo	113.75
LIVINGSTON	n/a	LAKEVILLE-GROVE	Geneseo	113.75
LIVINGSTON	n/a	YORK RD W	York	113.75
LIVINGSTON	n/a	FEDERAL RD	York	113.75
LIVINGSTON	n/a	FEDERAL RD	York	113.75
LIVINGSTON	n/a	STEWART RD	York	113.75
LIVINGSTON	n/a	FEDERAL RD	York	113.75
LIVINGSTON	n/a	RIVER RD	York	113.75
LIVINGSTON	n/a	RIVER RD	York	113.75
LIVINGSTON	n/a	FOWLerville RD	York	113.75
LIVINGSTON	n/a	LINWOOD RD NO	York	113.75
LIVINGSTON	n/a	LINWOOD RD NO	York	113.75
LIVINGSTON	n/a	LINWOOD RD NO	York	113.75
LIVINGSTON	n/a	LINWOOD RD	York	113.75
LIVINGSTON	n/a	WALKER RD	York	113.75
LIVINGSTON	n/a	POLE BRIDGE RD	Avon	113.75
ONTARIO	n/a	STEVENS ST	Manchester	113.75
ONTARIO	n/a	SHORTSVILLE-CLI	Phelps	113.75
MONROE	n/a	PHILLIPS RD	Webster	113.5
MONROE	n/a	PHILLIPS RD	Webster	113.5
MONROE	n/a	STATE RD	Webster	113.5
MONROE	n/a	STATE RD	Webster	113.5
MONROE	n/a	STATE RD	Webster	113.5
MONROE	n/a	JACKSON RD	Webster	113.5
MONROE	n/a	JACKSON RD	Penfield	113.5
MONROE	n/a	CREEK ST	Penfield	113.5
MONROE	n/a	BAIRD RD	Penfield	113.5
MONROE	n/a	NORTHLAND AVE	Rochester	113.5
MONROE	n/a	HIGHLAND AVE	Rochester	113.5
MONROE	n/a	SCIO ST	Rochester	113.5
MONROE	n/a	SCIO ST	Rochester	113.5
MONROE	n/a	WEBSTER AVE	Rochester	113.5
MONROE	n/a	GREGORY ST	Rochester	113.5
MONROE	n/a	AVE D	Rochester	113.5
MONROE	n/a	AVE D	Rochester	113.5
MONROE	n/a	LUX ST	Rochester	113.5

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	n/a	PARK AVE	Rochester	113.5
MONROE	n/a	PARK AVE	Rochester	113.5
MONROE	n/a	JEFFERSON ST	Rochester	113.5
MONROE	n/a	ALLEN ST	Rochester	113.5
MONROE	n/a	ALLEN ST	Rochester	113.5
MONROE	n/a	MAPLE ST	Rochester	113.5
MONROE	n/a	MAPLE ST	Rochester	113.5
MONROE	n/a	ALLEN ST	Rochester	113.5
MONROE	n/a	JAY ST	Rochester	113.5
MONROE	n/a	MAPLEWOOD DR	Rochester	113.5
MONROE	n/a	MAPLEWOOD DR	Rochester	113.5
MONROE	n/a	MAPLEWOOD DR	Rochester	113.5
MONROE	n/a	MAPLEWOOD DR	Rochester	113.5
MONROE	n/a	GREGORY ST	Rochester	113.5
MONROE	n/a	OTIS ST	Rochester	113.5
MONROE	n/a	OTIS ST	Rochester	113.5
MONROE	n/a	OTIS ST	Rochester	113.5
MONROE	n/a	COLUMBIA AVE	Rochester	113.5
MONROE	n/a	COLUMBIA AVE	Rochester	113.5
MONROE	n/a	JEFFERSON AVE	Rochester	113.5
MONROE	n/a	PLYMOUTH AVE N	Rochester	113.5
MONROE	n/a	JEFFERSON AVE	Rochester	113.5
MONROE	n/a	JACKSON RD	Penfield	113.5
MONROE	n/a	JACKSON RD	Penfield	113.5
SENECA	n/a	CLINTON ST	Seneca Falls	113.5
ONTARIO	NY14	EXCHANGE ST	Geneva	113.25
LIVINGSTON	n/a	CAMERON RD	Caledonia	112
LIVINGSTON	n/a	LACEY RD	Caledonia	112
LIVINGSTON	n/a	SANDHILL RD	Caledonia	112
MONROE	NY153	n/a	East Rochester	112
MONROE	NY31F	n/a	Pittsford	112
MONROE	n/a	S LINCOLN RD	Perinton	112
MONROE	n/a	GARNSEY RD	Perinton	112
MONROE	n/a	BAIRD RD	Penfield	112
ONTARIO	n/a	ELTON RD	West Bloomfield	112
ONTARIO	n/a	N BLOOMFIELD-IO	West Bloomfield	112
WAYNE	n/a	JOHNSON ST	Palmyra	112
WAYNE	n/a	VIENNA ST	Newark	112

County	Route	Road Name	Municipality	Asset Vulnerability Score
WAYNE	n/a	SO TOWN LINE RD	Palmyra	112
WAYNE	n/a	E MILLER ST	Newark	112
WAYNE	n/a	E MAPLE AVE	Newark	112
WAYNE	n/a	VIENNA RD	Arcadia	112
WAYNE	n/a	E MAPLE AVE	Newark	112
WAYNE	n/a	E MAPLE AVE	Newark	112
GENESEE	n/a	SUMMIT ST	Batavia	111.75
GENESEE	n/a	VETERANS MEMORI	Batavia	111.75
GENESEE	n/a	SUMMIT ST	Batavia	111.75
MONROE	n/a	EASTMAN AVE	Rochester	111.75
MONROE	n/a	EMERSON ST	Rochester	111.75
ONTARIO	n/a	FLINT ORLEANS R	Phelps	111.75
ONTARIO	n/a	ONTARIO ST	Canandaigua	111.75
MONROE	n/a	AYRAULT RD	Perinton	110.75
MONROE	n/a	WHALEN RD	Penfield	110.75
MONROE	n/a	JEFFERSON AVE	Perinton	110.75
MONROE	n/a	AYRAULT RD	Perinton	110.75
MONROE	NY65	CLOVER ST	Brighton	110.75
WAYNE	n/a	W MILLER ST	Newark	110.75
LIVINGSTON	n/a	MILTON ST	Dansville	110.5
LIVINGSTON	NY63	MAIN ST	Dansville	110.5
ONTARIO	n/a	W NORTH ST	Geneva	110.5
ONTARIO	n/a	W NORTH ST	Geneva	110.5
ONTARIO	n/a	CANANDAIGUA-HOP	Hopewell	110.5
ONTARIO	n/a	MAIN ST	Bloomfield	110.5
ONTARIO	NY64	n/a	East Bloomfield	110.5
ONTARIO	NY64	n/a	East Bloomfield	110.5
ONTARIO	n/a	E BLOOMFIELD-IO	East Bloomfield	110.5
SENECA	n/a	WRIGHT AVE	Waterloo	110.5
MONROE	n/a	PINNACLE RD	Henrietta	110.25
MONROE	n/a	PINNACLE RD	Henrietta	110.25
ONTARIO	n/a	CASTLE ST	Geneva	110.25
WAYNE	n/a	HOFFMAN ST	Newark	110.25
WAYNE	n/a	E MILLER ST	Newark	110.25
LIVINGSTON	NY36	CLARA BARTON ST	Dansville	110
MONROE	n/a	ST PAUL BLVD	Irondequoit	109.75
MONROE	n/a	NORTHLAND AVE	Rochester	109
MONROE	n/a	NORTHLAND AVE	Rochester	109

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	n/a	HUMBOLDT ST	Rochester	109
ONTARIO	n/a	CANANDAIGUA-HOP	Canandaigua	109
ONTARIO	n/a	BEMIS ST	Canandaigua	109
ONTARIO	n/a	S PEARL ST	Canandaigua	109
ONTARIO	n/a	PULTENEY ST	Geneva	109
SENECA	n/a	SPRING ST	Seneca Falls	109
SENECA	n/a	GARDEN ST	Seneca Falls	109
YATES	n/a	E ELM ST	Penn Yan	109
LIVINGSTON	NY36	MAIN ST	Dansville	108.75
LIVINGSTON	NY63	MAIN ST	Dansville	108.75
ONTARIO	n/a	ENNERDALE-HOPEW	Hopewell	108.75
ONTARIO	n/a	PRE EMPTION RD	Phelps	108.75
ONTARIO	n/a	HOLCOMB-CANADA	Canandaigua	108.75
ONTARIO	n/a	ENNERDALE-HOPEW	Hopewell	108.75
SENECA	n/a	CAYUGA ST	Seneca Falls	108.75
YATES	NY54A	n/a	Penn Yan	108.75
MONROE	n/a	BROWNCROFT BLVD	Rochester	108.5
MONROE	n/a	BROAD ST E	Rochester	108.5
MONROE	n/a	UNION ST S	Rochester	108.5
MONROE	n/a	DRAPER ST	Rochester	108.5
MONROE	n/a	UNIVERSITY AVE	Rochester	108.5
MONROE	n/a	HUDSON AVE	Rochester	108.5
MONROE	n/a	HUDSON AVE	Rochester	108.5
MONROE	n/a	CHESTNUT ST N	Rochester	108.5
MONROE	n/a	CHESTNUT ST N	Rochester	108.5
MONROE	n/a	CLINTON AVE S	Rochester	108.5
MONROE	n/a	GOODMAN ST N	Rochester	108.5
MONROE	n/a	GOODMAN ST S	Rochester	108.5
MONROE	n/a	BROAD ST E	Rochester	108.5
MONROE	n/a	CLAY RD	Henrietta	108.5
MONROE	n/a	NORTON ST	Rochester	108.5
MONROE	n/a	ALEXANDER ST	Rochester	108.5
MONROE	n/a	BITTNER ST	Rochester	108.5
MONROE	n/a	ST PAUL ST	Rochester	108.5
MONROE	n/a	LATTA RD	Rochester	108.5
MONROE	n/a	LATTA RD	Rochester	108.5
MONROE	n/a	ST PAUL ST	Rochester	108.5
LIVINGSTON	NY63	n/a	Sparta	108

County	Route	Road Name	Municipality	Asset Vulnerability Score
SENECA	n/a	SWIFT ST	Waterloo	108
LIVINGSTON	NY36	n/a	Dansville	107.5
LIVINGSTON	n/a	DALTON RD	Lima	107.5
LIVINGSTON	n/a	W LAKE RD	Avon	107.5
LIVINGSTON	n/a	POLE BRIDGE RD	Geneseo	107.5
LIVINGSTON	n/a	RIVER RD	Leicester	107.5
LIVINGSTON	n/a	LINWOOD RD	York	107.5
LIVINGSTON	NY36	OSSIAN ST	Dansville	107.5
LIVINGSTON	NY36	OSSIAN ST	Dansville	107.5
ONTARIO	n/a	ARMINGTON SCHL	Manchester	107.5
ONTARIO	n/a	STAFFORD RD	Manchester	107.5
ONTARIO	n/a	SCHUTT RD	Hopewell	107.5
ONTARIO	n/a	AVERYS CORNERS-	Phelps	107.5
ONTARIO	n/a	CLIFTON SPRINGS	Phelps	107.5
ONTARIO	n/a	NORTH ST	Canandaigua	107.5
ONTARIO	NY21	n/a	Canandaigua	107.5
ONTARIO	n/a	ELTON RD	West Bloomfield	107.5
ONTARIO	n/a	GYPSUM-WAYNE C	Manchester	107.5
ONTARIO	n/a	CLIFTON SPRINGS	Phelps	107.5
SENECA	n/a	WISKEY HILL RD	Waterloo	107.5
SENECA	n/a	CHAPEL ST	Seneca Falls	107.5
SENECA	n/a	NORTH RD	Waterloo	107.5
MONROE	n/a	BROWN ST	Rochester	107.25
MONROE	n/a	BROWN ST	Rochester	107.25
MONROE	n/a	BROWN ST	Rochester	107.25
MONROE	n/a	BROWN ST	Rochester	107.25
MONROE	n/a	JOSEPH AVE	Rochester	107.25
MONROE	n/a	ALLEN ST	Rochester	107.25
MONROE	n/a	JAY ST	Rochester	107.25
MONROE	n/a	JAY ST	Rochester	107.25
MONROE	n/a	FELIX ST	Rochester	107.25
MONROE	n/a	FELIX ST	Rochester	107.25
MONROE	n/a	FELIX ST	Rochester	107.25
MONROE	n/a	PLYMOUTH AVE N	Rochester	107.25
MONROE	n/a	MORRIE SILVER WAY	Rochester	107.25
MONROE	n/a	PLYMOUTH AVE N	Rochester	107.25
MONROE	n/a	PLEASANT ST	Rochester	107.25
MONROE	n/a	PLYMOUTH AVE N	Rochester	107.25

County	Route	Road Name	Municipality	Asset Vulnerability Score
MONROE	n/a	PLEASANT ST	Rochester	107.25
MONROE	n/a	JAY ST	Rochester	107.25
MONROE	n/a	BROWN ST	Rochester	107.25
SENECA	n/a	WATER ST	Seneca Falls	107.25
MONROE	n/a	CARTER RD	Penfield	105.75
MONROE	n/a	HOWELL RD	Perinton	105.75
MONROE	n/a	MARSH RD	Pittsford	105.75
WAYNE	n/a	W MAPLE AVE	Newark	105.75
WAYNE	n/a	PEIRSON AVE	Newark	105.75
MONROE	n/a	AYRAULT RD	Perinton	104.5
MONROE	n/a	AYRAULT RD	Perinton	104.5
MONROE	n/a	GARNSEY RD	Perinton	104.5
MONROE	n/a	KREAG RD	Perinton	104.5
MONROE	n/a	WHALEN RD	Penfield	104.5
MONROE	n/a	JACKSON RD EXT	Penfield	104.5
MONROE	n/a	BAIRD RD	Penfield	104.5
MONROE	n/a	WHALEN RD	Penfield	104.5
MONROE	n/a	WHALEN RD	Penfield	104.5
WAYNE	n/a	E MILLER ST	Newark	104.5
WAYNE	n/a	EAST AVE	Newark	104.5
WAYNE	n/a	BUDD RD	Arcadia	104.5
ONTARIO	n/a	ANDREWS RD	Canandaigua	104.25
MONROE	n/a	HUDSON AVE	Irondequoit	104
MONROE	n/a	CULVER RD	Rochester	104
ONTARIO	n/a	W NORTH ST	Geneva	103
ONTARIO	n/a	MAIN ST	Geneva	103
ONTARIO	n/a	SOUTH AVE	Bloomfield	103
ONTARIO	n/a	PARRISH ST	Canandaigua	103
ONTARIO	n/a	WEST AVE	Canandaigua	103
ONTARIO	n/a	LAFAYETTE AVE	Canandaigua	103
ONTARIO	n/a	CHAPEL ST	Canandaigua	103
ONTARIO	n/a	EAST ST	Canandaigua	103
ONTARIO	n/a	WEST MAIN ST	East Bloomfield	103
ONTARIO	n/a	MAIN ST	Bloomfield	103
ONTARIO	n/a	W NORTH ST	Geneva	103
MONROE	n/a	HIGHLAND AVE	Brighton	102.75
MONROE	n/a	CULVER RD	Rochester	102.75
LIVINGSTON	NY36	CLARA BARTON ST	Dansville	102.5

County	Route	Road Name	Municipality	Asset Vulnerability Score
LIVINGSTON	NY63	MAIN ST	Dansville	102.5
LIVINGSTON	NY63	MAIN ST	Dansville	102.5
LIVINGSTON	NY36	OSSIAN ST	Dansville	101.75
ONTARIO	n/a	E CASTLE ST	Geneva	101.75
ONTARIO	n/a	CASTLE ST	Geneva	101.75
ONTARIO	n/a	PARRISH ST	Canandaigua	101.75
ONTARIO	n/a	GORHAM ST	Canandaigua	101.25
ONTARIO	n/a	CANANDAIGUA MIN	Canandaigua	101.25
SENECA	n/a	SWIFT ST	Waterloo	100
SENECA	n/a	RUMSEY ST	Seneca Falls	100
SENECA	n/a	STATE ST	Seneca Falls	100
SENECA	n/a	WRIGHT AVE	Waterloo	100
SENECA	n/a	CHAPEL ST	Seneca Falls	100
ONTARIO	n/a	WEST AVE EXT	Canandaigua	96.75
ONTARIO	n/a	BRISTOL ST	Canandaigua	96.75
ONTARIO	n/a	BRISTOL RD	Canandaigua	96.75
ONTARIO	n/a	EAST ST	Canandaigua	96.75
ONTARIO	n/a	EAST ST	Canandaigua	96.75
ONTARIO	n/a	BRISTOL ST	Canandaigua	96.75
LIVINGSTON	n/a	MAPLE ST	Dansville	95.5
ONTARIO	n/a	PULTENEY ST	Geneva	95.5
ONTARIO	n/a	WASHINGTON ST	Geneva	95.5
ONTARIO	n/a	REED ST	Geneva	95.5
ONTARIO	n/a	PARK PL	Geneva	95.5
ONTARIO	n/a	S PEARL ST	Canandaigua	95.5
ONTARIO	n/a	THAD CHAPIN ST	Canandaigua	95.5
ONTARIO	n/a	CHAPEL ST	Canandaigua	95.5
ONTARIO	n/a	CHAPEL ST	Canandaigua	95.5
ONTARIO	n/a	GORHAM ST	Canandaigua	95.5
ONTARIO	n/a	NORTH RD	Canandaigua	95.5
ONTARIO	n/a	N BLOOMFIELD RD	Canandaigua	95.5
ONTARIO	n/a	BUFFALO ST	Canandaigua	95.5
ONTARIO	n/a	BUFFALO ST	Canandaigua	95.5
ONTARIO	n/a	SALTONSTALL ST	Canandaigua	95.5
ONTARIO	n/a	PULTENEY ST	Geneva	95.5
ONTARIO	n/a	PARK PL	Geneva	95.5
ONTARIO	n/a	WASHINGTON ST	Geneva	95.5
ONTARIO	n/a	W LAKE DR	Canandaigua	95.5

County	Route	Road Name	Municipality	Asset Vulnerability Score
YATES	n/a	WALNUT ST	Penn Yan	95.5
ONTARIO	n/a	HOLCOMB-CANADA	Canandaigua	93.75
ONTARIO	n/a	LAKE SHORE DR	Hopewell	89.25
ONTARIO	n/a	PARRISH ST	Canandaigua	88

Bridge Vulnerability Scoring – Regional Network

The following table portrays the results of the vulnerability scoring of all bridges in the Genesee-Finger Lakes Region assessed as part of this study.

BIN	County	Carried	Crossed	Asset Vulnerability Score
4070541	Monroe	390I 390I43033000	GENESEE RIVER	269.00
4070542	Monroe	390I 390I43033000	GENESEE RIVER	269.00
1014830	Monroe	104 104 43032021	GENESEE RIVER	258.75
4050129	Monroe	490I 490I43022035	EXCHANGE BLVD	255.50
1015620	Genesee	20 20 41031108	98 98 41031032	231.00
1070052	Monroe	390I 390I43031099	LV AVON & LKVILLE	231.00
1028790	Genesee	63 63 41043148	SWAMP	230.75
1028800	Genesee	63 63 41043151	OAK ORCHARD SWAMP	230.75
1028810	Genesee	63 63 41043155	OAKORCHARD SWAMP	230.75
1052239	Monroe	104 104 43035219	IRONDEQUOIT BAY	226.75
1028820	Orleans	63 63 45051004	OAK ORCHARD CREEK	226.25
1015610	Genesee	20 20 41031056	MURDER CREEK	222.75
1015630	Genesee	20 20 41031110	TONAWANDA CREEK	220.50
1015640	Genesee	20 20 41031111	TONAWANDA CK OVFL	215.50
1070051	Monroe	390I 390I43031099	LV AVON & LKVILLE	215.25
1070311	Monroe	390I 390I43031037	FISHELL ROAD	210.25
1070312	Monroe	390I 390I43031037	FISHELL ROAD	210.25
1028740	Genesee	63 63 41041016	OATKA CREEK	204.25
1043440	Monroe	253 253 43011010	GENESEE RIVER	202.75
1093600	Wayne	104 104 37041279	MUDGE CREEK	202.25
5516881	Genesee	90IX	TONAWANDA CREEK	199.50
5516882	Genesee	90IX	TONAWANDA CREEK	199.50
1015260	Genesee	19 19 41031178	BLACK CR OVERFLOW	195.50
1043410	Monroe	252 252 43011046	GENESEE RIVER	193.75
1060100	Wyoming	98 98 46021201	TONAWANDA CREEK	191.75
1028850	Orleans	63 63 45051140	JOHNSON CREEK	191.50
1072392	Monroe	390 390 43011072	ROUND POND CREEK	189.50
1016120	Wyoming	20A 20A46021044	CAYUGA CREEK	187.25
1035660	Wyoming	98 98 46021177	TONAWANDA CREEK	187.25
1030150	Wyoming	78 78 46011184	BEAVER MEADOW CR	186.00
1071111	Livingston	390I 390I42021293	LIV AVON & LKVILLE	185.75
1071112	Livingston	390I 390I42021293	LIV AVON & LKVILLE	185.75
1035690	Wyoming	98 98 41031000	TANNERY BROOK	185.50
5510551	Monroe	90I X (W B)	GENESEE RIVER	185.50

BIN	County	Carried	Crossed	Asset Vulnerability Score
5510552	Monroe	90I X (E B)	GENESEE RIVER	185.50
5510592	Monroe	90I X	GREENWAY TRAIL	185.50
1043390	Monroe	251 251 43011126	GENESEE RIVER	184.25
1016200	Livingston	20A 20A42031067	GENESEE RIVER	183.75
1024560	Wyoming	98 39 46051021	CLEAR CREEK	183.25
1052111	Monroe	104 104 43035242	GRAVEL ROAD-CR 14	182.50
1021500	Orleans	31 31 45021016	JEDDO CREEK	182.00
1035620	Wyoming	98 98 46021015	CATTARAUGUS CREEK	181.50
5510729	Ontario	90I X	CANANDAIGUA OUTLT	181.50
1048571	Monroe	490I 490I43021052	BLACK CREEK	180.50
1048572	Monroe	490I 490I43021052	BLACK CREEK	180.50
4062531	Monroe	390 390 43011011	ERIE CANAL	179.25
4062532	Monroe	390 390 43011011	ERIE CANAL	179.25
4443361	Monroe	490I 490I43022000	ERIE CANAL	179.25
4443362	Monroe	490I 490I43022000	ERIE CANAL	179.25
1063751	Livingston	390I 390I42021018	MILL CREEK	178.25
1050109	Monroe	940T 940T43011005	GENESEE RIVER	177.50
4435022	Seneca	90I X E B	SENECA RIVER	176.50
5510680	Ontario	90I X	CANANDAIGUA OUTLT	176.50
5510690	Ontario	90I X (WB)	CANANDAIGUA OUTLT	176.50
5510701	Ontario	90I X WB	CANANDAIGUA OUTLT	176.50
5510702	Ontario	90I X EB	CANANDAIGUA OUTLT	176.50
5510811	Ontario	90I X (W B)	FALL BROOK	176.50
1043740	Genesee	262 262 41011108	BLACK CREEK	176.00
1069911	Livingston	390I 390I42021033	CANASERAGA CREEK	176.00
1069912	Livingston	390I 390I42021034	CANASERAGA CREEK	176.00
3317440	Monroe	252 X	BLACK CREEK	176.00
5510739	Ontario	90I X	GANARGUA CREEK	175.25
5516912	Genesee	90I X	BLACK CREEK	174.75
1030140	Wyoming	78 78 46011114	CATTARAUGUS CREEK	173.75
1016160	Wyoming	20A 20A46021120	OATKA CREEK	173.50
1052112	Monroe	104 104 43035243	GRAVEL ROAD-CR 14	173.50
1093610	Wayne	104 104 37041300	WOLCOTT CREEK	173.00
1015130	Wyoming	19 19 46021130	OATKA CREEK	172.50
1016140	Wyoming	20A 20A46021081	STONY BROOK	172.50
4435021	Seneca	90I X WB	SENECA RIVER	172.00
1069901	Livingston	390I 390I42021030	PLAZA DRIVE	171.50
1069902	Livingston	390I 390I42021030	PLAZA DRIVE	171.50

BIN	County	Carried	Crossed	Asset Vulnerability Score
1015650	Genesee	20 20 41031147	LIT TONAWANDA CRK	170.75
1034250	Wayne	88 88 37021037	GANARGUA CREEK	170.75
1025930	Monroe	590I 590I43011015	ALLENS CREEK	169.50
1072391	Monroe	390 390 43011072	ROUND POND CREEK	169.25
1021750	Wayne	31 31 37061089	CANANDAIGUA OUTLT	168.00
1043060	Ontario	245 245 44061059	FLINT CREEK	168.00
1093620	Wayne	104 104 37041349	RED CREEK	168.00
1072501	Livingston	390I 390I42021149	KESHEQUA CREEK	167.00
1072511	Livingston	390I 390I42021163	CANASERAGA CREEK	167.00
1072512	Livingston	390I 390I42021162	CANASERAGA CREEK	167.00
1015670	Genesee	20 20 41031176	BLACK CREEK	166.25
1048632	Monroe	490I 490I43021141	LITTLE BLACK CRK	165.25
5047209	Monroe	90I X	383 383 43011083	165.25
5510591	Monroe	90I X	Greenway Trail	165.25
1023660	Livingston	36 36 42021163	BUCK RUN CREEK	165.00
1028890	Ontario	64 64 44011080	CENTER GULLY CRK	164.50
2210840	Genesee	LAW STREET	TONAWANDA CREEK	164.50
1035760	Orleans	98 98 45041129	MARSH CREEK TRIB	163.50
1043990	Genesee	267 267 41021021	TONAWANDA CREEK	163.25
3315450	Genesee	COLBY ROAD	MURDER CREEK	163.25
1093770	Wayne	104 104 47041049	BEAR CREEK	163.00
1028830	Orleans	63 63 45051025	OAK ORCHARD CREEK	162.75
1063752	Livingston	390I 390I42021018	MILL CREEK	162.00
1093790	Wayne	104 104 37041081	SALMON CREEK	161.75
5516861		90I XW B	LAKE RD CR 4	161.75
5516862	Genesee	90I XE B	LAKE ROAD CR4	161.75
1048880	Monroe	490I 490I43023013	ALLEN CREEK	161.25
3095600	Genesee	LEWISTON ROAD	UNKNOWN STREAM	161.00
5510410	Seneca	90I X	BLACK BROOK	160.75
1026089	Monroe	590 590 43013007	404 941B43011007	160.50
1074720	Monroe	531 531 43012030	NORTHRUP CREEK	159.75
1015270	Genesee	19 19 41031181	BLACK CREEK	158.75
1028650	Livingston	63 63 42021061	PATTERSON GULLY	158.75
1062450	Wyoming	436 436 46011043	GENESEE RIVER	158.50
1042460	Wyoming	238 238 46011108	TONAWANDA CREEK	158.25
1023690	Livingston	36 36 42021210	BEARDS CREEK	158.00
1001900	Ontario	5 5 44053076	FLINT CREEK	157.75
1035740	Genesee	98 98 41033075	OAK ORCHARD CREEK	157.25

BIN	County	Carried	Crossed	Asset Vulnerability Score
1001679	Genesee	90I X	5 5 41031019	156.75
5516840	Genesee	90I X	MURDER CREEK	156.75
5516879	Genesee	90I X	PEMBROKE INTER.	156.75
5516911	Genesee	90I X	BLACK CREEK	156.75
1011090	Yates	14A 14A66041159	KEUKA LAKE OUTLET	155.75
1052101	Monroe	104 104 43035236	MAPLE DRIVE	155.50
1052102	Monroe	104 104 43035236	MAPLE DRIVE	155.50
1001660	Genesee	5 5 41031013	MURDER CREEK	154.25
1016220	Ontario	20A 20A44041038	HONEOYE CREEK	154.25
1034300	Seneca	89 89 35021006	TRUMANSBURG CREEK	154.25
1048960	Monroe	490I 490I43023059	IRONDEQUOIT CR	154.00
1016130	Wyoming	20A 20A46021079	TONAWANDA CREEK	153.75
1035670	Wyoming	98 98 46021263	TONAWANDA CREEK	153.75
1042450	Wyoming	238 238 46011099	STEVENS BROOK	153.75
1046530	Wyoming	354 354 46021053	FRENCH BROOK	153.75
1069932	Livingston	390I 390I42021044	COFFEE HILL ROAD	153.50
1071751	Livingston	390I 390I42021177	408 408 42031193	153.50
1071752	Livingston	390I 390I42021176	408 408 42031193	153.50
1072491	Livingston	390I 390I42021129	PIONEER RD	153.50
1072492	Livingston	390I 390I42021129	PIONEER RD	153.50
1072502	Livingston	390I 390I42021149	KESHEQUA CREEK	153.50
1015200	Wyoming	19 19 46021261	PEARL CREEK	153.25
1093781	Wayne	104 104 47041017	MILL CREEK	153.00
1051310	Monroe	404 104 43035037	IRONDEQUOIT CREEK	152.50
1023021	Monroe	490I 490I43021152	33 33 43031117	152.25
1023022	Monroe	490I 490I43021152	33 33 43031117	152.25
1023101	Monroe	390I 390I43037007	33A 33A43021152	152.25
1023102	Monroe	390I 390I43037007	33A 33A43021152	152.25
1025811	Monroe	490I 490I43021177	390I 390I43011000	152.25
1025812	Monroe	490I 490I43021178	390I 390I43037020	152.25
1025820	Monroe	490I 490I43021179	390I 390I43037019	152.25
1025841	Monroe	390I 390I43037006	ROCH & SOUTHERN	152.25
1025842	Monroe	390I 390I43037006	ROCH & SOUTHERN	152.25
1025851	Monroe	390I 390I43037005	BUELL ROAD-CR 162	152.25
1025852	Monroe	390I 390I43037005	BUELL ROAD-CR 162	152.25
1048641	Monroe	490I 490I43021146	CSX TRANS/AMTRAK	152.25
1048642	Monroe	490I 490I43021146	CSX TRANS/AMTRAK	152.25
1048729	Monroe	490I 490I43022007	940K 940K43011004	152.25

BIN	County	Carried	Crossed	Asset Vulnerability Score
1052290	Monroe	390 390 43011000	490I 490I43021179	152.25
1062389	Monroe	490I 490I43022010	GLIDE STREET	152.25
1062491	Monroe	390 390 43011028	LATONA RD	152.25
1062492	Monroe	390 390 43011028	LATONA RD	152.25
1062501	Monroe	390 390 43011026	WEILAND ROAD	152.25
1062502	Monroe	390 390 43011026	WEILAND ROAD	152.25
1062521	Monroe	390 390 43011014	LEXINGTON AVENUE	152.25
1062522	Monroe	390 390 43011014	LEXINGTON AVENUE	152.25
1062541	Monroe	390 390 43011009	TROLLEY BOULEVARD	152.25
1062542	Monroe	390 390 43011009	TROLLEY BOULEVARD	152.25
1063950	Monroe	390I 390I43031002	490I 490I43021179	152.25
1070531	Monroe	390I 390I43033001	383 383 43011157	152.25
1070532	Monroe	390I 390I43033001	383 383 43011157	152.25
1071961	Monroe	390 390 43011046	MAIDEN LANE	152.25
1071962	Monroe	390 390 43011046	MAIDEN LANE	152.25
1079080	Monroe	390 390 43011047	Patty Hill Creek	152.25
1026041	Monroe	590 590 43011005	941V 286A43011002	152.00
1035970	Monroe	390 390 43011079	947A 947A43021197	151.75
5510399	Seneca	90I X	OLD SENECA RIVER	151.75
5510569	Monroe	90I X	A A & L RR	151.75
5510812	Ontario	90I X (E B)	FALL BROOK	151.75
5516890	Genesee	90I X	FOTCH RD CR 19	151.75
1035100	Ontario	96 96 44041053	FLINT CREEK	151.25
1069920	Livingston	390I 390I42021043	BRADNER CREEK	151.25
1011070	Yates	14A 14A66041037	BIG STREAM CREEK	150.75
1068801	Monroe	104 104 43035274	250 250 43011130	150.50
1068802	Monroe	104 104 43035274	250 250 43011130	150.50
1068811	Monroe	104 104 43035279	PHILLIPS ROAD-CR8	150.50
1068812	Monroe	104 104 43035279	PHILLIPS ROAD-CR8	150.50
1068821	Monroe	104 104 43035289	SALT ROAD-CO RD 6	150.50
1068822	Monroe	104 104 43035289	SALT ROAD-CP RD 6	150.50
3366430	Wyoming	BUFFALO ROAD	OATKA CREEK	150.00
1015140	Wyoming	19 19 46021144	RELYEA CREEK	149.75
1001690	Genesee	5 5 41031106	TONAWANDA CREEK	149.25
1011580	Livingston	15A 15A42031023	HEMLOCK OUTLET	149.25
1022940	Genesee	33 33 41021040	MURDER CREEK	149.25
1022120	Monroe	31F 31F43011028	IRONDEQUOIT CREEK	149.00
1069861	Livingston	390I 390I42021094	KYSORVILLE RD	149.00

BIN	County	Carried	Crossed	Asset Vulnerability Score
1069862	Livingston	390I 390I42021097	KYSORVILLE RD	149.00
1069931	Livingston	390I 390I42021044	COFFEE HILL ROAD	149.00
1070961	Livingston	390I 390I42021056	STONER HL RD-CR34	149.00
1070962	Livingston	390I 390I42021056	STONER HL RD-CR34	149.00
4443040	Monroe	31F 31F43011034	ERIE CANAL	149.00
1015160	Wyoming	19 19 46021186	OATKA CREEK	148.25
1015170	Wyoming	19 19 46021192	OATKA CREEK TRIB	148.25
1015180	Wyoming	19 19 46021253	OATKA CREEK	148.25
4445270	Orleans	63 63 45051070	ERIE CANAL	148.25
1015680	Genesee	20 20 41031224	OATKA CREEK	148.00
1034260	Wayne	88 88 37021135	SALMON CREEK	147.50
1040261	Monroe	490I 490I43021144	204 204 43011000	147.25
1040262	Monroe	490I 490I43021145	204 204 43011000	147.25
1048591	Monroe	490I 490I43021101	CSX TRANS/W SHORE	147.25
1048592	Monroe	490I 490I43021102	CSX TRANS/W SHORE	147.25
1048611	Monroe	490I 490I43021128	386 251 43011020	147.25
1048612	Monroe	490I 490I43021128	386 251 43011020	147.25
1048631	Monroe	490I 490I43021141	LITTLE BLACK CRK	147.25
1052280	Monroe	RAMP490EB TO390NB	490I 490I43021177	147.25
1062472	Monroe	104 104 43031168	390 390 43011035	147.25
5510520	Monroe	90I X	MUMFORD RD- CR180	147.25
5510530	Monroe	90I X	CRK FROM BLUE PND	147.25
5510540	Monroe	90I X	REED ROAD	147.25
5510619	Monroe	90I X	ROCH & SOUTHERN	147.25
1048612	Monroe	490I 490I43021128	386 251 43011020	147.25
1026042	Monroe	590 590 43011005	941V 286A43011002	147.00
1026059	Monroe	590 590 43012000	286 286 43011001	147.00
1051289	Monroe	590 47 43013022	104 104 43035207	147.00
1074130	Monroe	590 590 43013G01	590 590 43213100	147.00
1074470	Monroe	590 590 43011002	GRASS CREEK	147.00
1072409	Monroe	390 390 43011077	JANES ROAD	146.75
5510780	Ontario	90I X	IRONDEQUOIT CREEK	145.00
1023630	Livingston	36 36 42021076	MC MASTER CREEK	144.75
1023670	Livingston	36 36 42021182	GENESEE RIVER	144.75
1043080	Ontario	245 245 44061114	BURRELL CREEK	144.50
1043430	Monroe	252A 252A43011042	LITT BLACK CREEK	144.25
1079010	Wayne	Route 104	Sodus Creek	144.25
1030030	Wyoming	77 77 46011095	CAYUGA CREEK	143.75

BIN	County	Carried	Crossed	Asset Vulnerability Score
1030040	Wyoming	77 77 46011127	RIGHT BRANCH	143.75
1093841	Monroe	490I 490I43022028	WEST MAIN STREET	143.75
5510582	Monroe	90I X	PITTS-MEND CTR RD	143.75
5510740	Ontario	90I X	BROWNVILLE ROAD	143.75
5510760	Ontario	90I X	HIGH STREET	143.75
1074140	Monroe	590 590 43013H01	490I 490I43023002	143.25
1015310	Monroe	19 19 43041148	SANDY CREEK	143.00
1021661	Monroe	590I 590I43011028	31 31 43033019	142.50
1021662	Monroe	590I 590I43011028	31 31 43033019	142.50
1025951	Monroe	590I 590I43011030	ALLENS CK RD-CR60	142.50
1025952	Monroe	590I 590I43011030	ALLENS CK RD-CR60	142.50
1025960	Monroe	590I 590I43011031	ALLENS CREEK	142.50
1070881	Monroe	590I 590I43011014	WINTON ROAD-CR 98	142.50
1070882	Monroe	590I 590I43011014	WINTON ROAD-CR 98	142.50
4437060	Wayne	LEACH STREET	ERIE CANAL	142.50
1036469	Monroe	104 104 43032012	940K 940K43011036	142.25
1062471	Monroe	104 104 43031168	390 390 43011035	142.25
1028680	Livingston	63 63 42021155	MILL GULLY CREEK	142.00
1028690	Livingston	63 63 42021136	UNKNOWN CR	142.00
1036470	Monroe	104 104 43035207	590 47 43013022	142.00
1052191	Monroe	104 104 43032037	CARTER STREET	142.00
1052192	Monroe	104 104 43032037	CARTER STREET	142.00
1052211	Monroe	104 104 43033004	RAMP TO 104 EB	142.00
1052212	Monroe	104 104 43033004	RAMP TO 104 EB	142.00
1052221	Monroe	104 104 43035200	CULVER ROAD	142.00
1052222	Monroe	104 104 43035200	CULVER ROAD	142.00
1052251	Monroe	104 104 43035215	RAMP B	142.00
1052252	Monroe	104 104 43035215	RAMP B	142.00
1015230	Genesee	19 19 41031082	OATKA CREEK	140.75
4437080	Wayne	DRY DOCK ROAD	ERIE CANAL	140.75
1024590	Wyoming	39 39 46051146	WISCOY CREEK	140.25
1027000	Yates	54A 54A66021017	SUGAR CREEK	140.25
1035630	Wyoming	98 98 46021036	MONKEY RUN	140.25
1023750	Monroe	36 36 43031006	OATKA CREEK	139.75
1028700	Livingston	63 63 42021217	GENESEE RIVER	139.50
1078690	Ontario	21 21 44051115	CARD CREEK	139.50
4001970	Seneca	5 5 35061143	CAY & SEN CANAL	139.50
1036420	Orleans	104 104 45021071	OAK ORCHARD CREEK	139.25

BIN	County	Carried	Crossed	Asset Vulnerability Score
1043420	Monroe	252 252 43011061	RED CREEK	139.25
1010950	Yates	14 14 66031159	KEUKA LAKE OUTLET	139.00
3042970	Livingston	436 436 42021189	CANASERAGA CREEK	139.00
1011009	Ontario	90I X	14 14 44043050	138.75
1062349	Monroe	490I 490I43022024	BROWN STREET	138.75
1062359	Monroe	490I 490I43022025	RTE 31X BROAD ST	138.75
1062399	Monroe	490I 490I43022012	CSX TRANS/AMTRAK	138.75
1070811	Monroe	390I 390I43031116	252 252 43011086	138.75
1070812	Monroe	390I 390I43031116	252 252 43011086	138.75
1070930	Monroe	590I 590I14303113	CLINTON AVENUE	138.75
1070940	Monroe	390I 390I43031133	590I 590I43011002	138.75
1070950	Monroe	590I 590I43013A01	590I 590I43011002	138.75
1078561	Monroe	490I 490I43022033	Exchange Blvd	138.75
1078562	Monroe	490I 490I43022033	Exchange Blvd	138.75
1093842	Monroe	490I 490I43022028	MAIN STREET WEST	138.75
4443851	Monroe	390I 390I43031132	ERIE CANAL	138.75
4443852	Monroe	390I 390I43031129	ERIE CANAL	138.75
4443861	Monroe	390I 390I43031138	ERIE CANAL	138.75
4443862	Monroe	390I 390I43031139	ERIE CANAL	138.75
5510581	Monroe	90I X EB	PITTS-MEND CTR RD	138.75
5510750	Ontario	90I X	VICTOR EGYPT ROAD	138.75
5510829	Ontario	90I X	EXIT 42 RAMP	138.75
1022111	Monroe	490I 490I43023032	31F 31F43011007	138.25
1022112	Monroe	490I 490I43023032	31F 31F43011007	138.25
1048959	Monroe	490I 490I43023053	MARSH ROAD	138.25
1048989	Monroe	490I 490I43023071	KREAG ROAD	138.25
1052331	Monroe	490I 490I43023079	GARNSEY RD-CR 23	138.25
1052332	Monroe	490I 490I43023078	GARNSEY ROAD	138.25
1052341	Monroe	490I 490I43023087	96 96 43051010	138.25
1052342	Monroe	490I 490I43023087	96 96 43051010	138.25
4443429	Monroe	490I 490I43023070	ERIE CANAL	138.25
1014710	Orleans	18 18 45021104	JOHNSON CREEK	138.00
1016150	Wyoming	20A 20A46021118	STONY BROOK	138.00
1015150	Wyoming	19 19 46021161	OATKA CREEK	137.50
1021740	Wayne	31 31 37061062	CSX TRANS/AMTRAK	137.50
1052189	Monroe	104 104 43032033	HUDSON AVENUE	137.50
1095700	Monroe	941L 18 43035079	MILL CREEK	137.50
1074980	Genesee	238 238 41021004	TANNERY BROOK	137.00

BIN	County	Carried	Crossed	Asset Vulnerability Score
1001720	Genesee	5 5 41033041	BLACK CREEK	136.00
1016190	Livingston	20A 20A42031057	BEARDS CREEK	135.75
1078670	Wyoming	Rt. 20A	Stoney Creek	135.50
1096270	Wayne	31 31 37061218	BLACK CREEK	135.25
1014700	Orleans	18 18 45021030	MARSH CREEK WEST	134.75
1024610	Wyoming	39 39 46051207	EAST KOY CREEK	134.75
1001830	Ontario	5 5 44051094	MUD CREEK	134.50
1001840	Ontario	5 5 44051109	SCHAFER CREEK	134.50
1074740	Monroe	531 531 43012021	W.BR NORTHRUP CK	134.50
1022969	Genesee	33 33 41032010	TONAWANDA CREEK	133.75
1034209	Ontario	90I X	88 88 44012134	133.75
1035179	Ontario	90I X	96 96 44041266	133.75
1052329	Ontario	490I 490I44031016	RAMP C	133.75
1062361	Monroe	490I 490I43022026	PLATT STREET	133.75
1062362	Monroe	490I 490I43022026	PLATT STREET	133.75
1069061	Monroe	390I 390I43031058	RUSH-HEN. TNLN RD	133.75
1069062	Monroe	390I 390I43031058	RUSH-HEN. TNLN RD	133.75
1070061	Monroe	390I 390I43031095	CALKINS RD-CR 39	133.75
1070062	Monroe	390I 390I43031095	CALKINS RD-CR 39	133.75
1070071	Monroe	390I 390I43031088	253 253 43011065	133.75
1070072	Monroe	390I 390I43031088	253 253 43011065	133.75
1070091	Monroe	390I 390I43031080	90I 90I00003623	133.75
1070092	Monroe	390I 390I43031080	90I 90I00003623	133.75
1093810	Monroe	490I 490I43022027	RAMP FROM I490 EB	133.75
5510579	Monroe	90I X	LEHIGH VRR ABAND	133.75
5510651	Ontario	90I X (WB)	CR 6	133.75
5510652	Ontario	90I X	COUNTY ROAD 6	133.75
5510660	Ontario	90I X	MARYLAND ROAD	133.75
5510679	Ontario	90I X	NORFOLK SOUTHERN	133.75
5510790	Ontario	90I X	NYCRR ABANDONED	133.75
5510800	Ontario	90I X	FISHER ROAD	133.75
1023099	Monroe	33A 33A43021138	LITTLE BLACK CRK	133.50
1035640	Wyoming	98 98 46021142	TONAWANDA CREEK	133.50
1014842	Monroe	590 47 43013026	940C 940C43035007	133.25
1052241	Monroe	590 47 43013028	104 104 43035213	133.25
1052242	Monroe	590 47 43013028	104 104 43035213	133.25
1063761	Livingston	390I 390I42021012	36 36 42021008	133.25
1063762	Livingston	390I 390I42021013	36 36 42021008	133.25

BIN	County	Carried	Crossed	Asset Vulnerability Score
1063771	Livingston	390I 390I42021024	436 436 42021191	133.25
1063772	Livingston	390I 390I42021024	436 436 42021192	133.25
1074111	Monroe	490I 490I43022068	590I 590I43012006	133.25
1074112	Monroe	490I 490I43022068	590I 590I43012006	133.25
3319950	Wyoming	COUNTY ROAD 7	OATKA CREEK	133.25
1030130	Wyoming	78 78 46011032	EAST KOY CREEK	132.50
1035650	Wyoming	98 98 46021171	EAST FORK	132.50
1043330	Monroe	386 251 43011048	BLACK CREEK	131.50
1001740	Genesee	5 5 41033085	OATKA CREEK	130.75
1096260	Wayne	31 31 37061206	BLACK CREEK	130.75
1024600	Wyoming	39 39 46051164	TROUT BROOK	130.25
1042990	Ontario	245 245 44041047	NAPLES CREEK	130.25
1043000	Ontario	245 245 44041007	EAST OVERFLOW CK	130.25
1043020	Yates	245 245 66051082	WEST RIVER	130.25
1062480	Monroe	104 104 43043B01	390 390 43011035	130.25
1043380	Monroe	251 251 43011109	OATKA CREEK	129.75
3317430	Monroe	UNION STREET	BLACK CREEK	129.75
1001850	Ontario	5 5 44053001	CANANDAIGUA OUTLET	129.50
1016440	Ontario	21 21 44031033	GRIMES CREEK	129.50
1001680	Genesee	5 5 41031088	BOWEN CREEK	129.00
1014820	Monroe	104 104 43032013	KODAK PARK RR	128.75
1070301	Monroe	390I 390I43031029	CR65-RUSH W RH RD	128.75
1070302	Monroe	390I 390I43031029	CR65-RUSH W RH RD	128.75
1014841	Monroe	590 47 43013026	940C 940C43035007	128.25
1030070	Genesee	77 77 41021068	MURDER CREEK	127.75
1030080	Genesee	77 77 41021098	90I X	127.75
2211250	Monroe	COURT STREET	GENESEE RIVER	127.50
4443130	Monroe	MANITOU ROAD	ERIE CANAL	127.50
2219350	Yates	MAIN STREET	KEUKA LAKE OUTLET	127.00
1048660	Monroe	531 940P43011008	490I 490I43021160	126.50
1050390	Monroe	531 940P43011007	490I EB TO 531 WB	126.50
1011080	Yates	14A 14A66041057	BIG STREAM CREEK	125.75
1026930	Yates	54 54 66021006	EGGLESTON CREEK	125.75
1028860	Ontario	64 64 44011034	MUD CREEK	125.75
1042980	Ontario	245 245 44041001	NAPLES CRK OVFLOW	125.75
1043030	Yates	245 245 66051108	WEST RIVER	125.75
1001800	Livingston	5 5 42041093	GENESEE RIVER	125.50
1001820	Livingston	5 5 44051001	HONEOYE CREEK	125.50

BIN	County	Carried	Crossed	Asset Vulnerability Score
1030050	Wyoming	354 354 46021052	77 77 46011133	125.50
3314570	Wayne	CR210 MAPLE AVE	RED CREEK	125.25
1015110	Wyoming	19 19 46021117	OATKA CREEK	124.50
1023640	Livingston	36 36 42021085	ROCKSPRING CREEK	124.50
1024580	Wyoming	39 39 46051141	TRIB WISCOY CREEK	124.50
1093740	Wayne	89 89 37031091	BUTLER CREEK	124.50
3042940	Livingston	436 436 42021060	KESHEQUA CREEK	124.50
1022990	Genesee	33 33 41023040	BLACK CREEK	124.00
3317120	Monroe	PATTONWOOD DRIVE	CSX TRANSPRTATION	123.75
1036430	Orleans	104 104 45021104	OTTER CREEK	123.50
1021720	Wayne	31 31 37041065	GANARGUA CREEK	123.25
1035070	Seneca	96 96 35031296	RACEWAY	123.00
1011590	Livingston	15A 15A42031090	SPRING BROOK	122.50
3315060	Genesee	EAST SHELBY ROAD	OAK ORCHARD CREEK	122.25
3315070	Genesee	ALBION ROAD	OAK ORCHARD CREEK	122.25
1074701	Monroe	531 531 43012052	LYELL RD (CR 117)	121.50
1074702	Monroe	531 531 43012052	LYELL RD (CR 117)	121.50
1016180	Livingston	20A 20A42031043	BEARDS CREEK	121.25
1023650	Livingston	36 36 42021128	KESHEQUA CREEK	121.25
1023700	Livingston	36 36 42021220	LITT BEARDS CREEK	121.25
1035140	Ontario	96 96 44041223	MUD CREEK	121.25
1035150	Ontario	96 96 44041224	FISH CREEK	121.25
3318610	Ontario	NO BLOOMFIELD RD	MUD CREEK	121.25
4025890	Monroe	ELMWOOD AVENUE	GENESEE RIVER	121.25
1021790	Seneca	31 31 35071008	TRIB SENECA RIVER	120.75
3314550	Wayne	MACEDON CENTER RD	RED CREEK	120.75
4021800	Seneca	31 31 35071016	CAY & SEN CANAL	120.75
1015710	Livingston	20 20 42041025	MONTAGUE CREEK	120.50
1015120	Wyoming	19 19 46021123	OATKA CREEK	120.00
1074340	Seneca	318 318 35011020	BLACK BROOK	120.00
3315050	Genesee	KNOWLESVILLE ROAD	OAK ORCHARD CREEK	120.00
1030090	Genesee	77 77 41021113	TONAWANDA CREEK	119.75
1050121	Monroe	490IWB & Ramp LA	Ramp Z & South Ave.	118.75
1050122	Monroe	490I East Bound	Ramp Z & South Ave.	118.75
1014730	Orleans	18 18 45021153	BEARDSLEY CREEK	118.50
1014740	Orleans	18 18 45021177	PROCTOR BROOK	118.50
1093782	Wayne	104 104 47041017	MILL CREEK	118.00
4048130	Seneca	414 414 35061265	CAYUGA-SENECA BAR	118.00

BIN	County	Carried	Crossed	Asset Vulnerability Score
1035050	Seneca	96 96 35031086	SHELDRAKE CREEK	117.75
1022170	Monroe	31F 31F43011070	THOMAS CREEK	117.00
1044370	Orleans	279 279 45011056	OAK ORCHARD CREEK	116.75
1074731	Monroe	531 531 43012026	259 259 43011060	116.50
1074732	Monroe	531 531 43012026	259 259 43011060	116.50
3318040	Ontario	COUNTY ROAD 19	CANANDAIGUA OUTLT	116.25
1043040	Ontario	245 245 44061001	WEST RIVER	115.50
1046520	Wyoming	354 354 46021016	RED BROOK	115.50
1095650	Wyoming	354 354 46021062	FENTON CREEK	115.50
1010940	Yates	14 14 66031018	BIG STREAM	114.50
1014790	Monroe	18 18 43031110	SALMON CREEK	114.50
1016430	Ontario	21 21 44031031	EELPOT CREEK	114.50
1021770	Wayne	31 31 37061155	MELVIN BROOK	114.50
1036450	Monroe	104 104 43031024	MOORMAN CREEK	114.50
1043470	Monroe	LINDEN AVENUE	IRONDEQUOIT CR	114.50
1043730	Genesee	262 262 41011087	SPRING CREEK	114.50
1043310	Monroe	386 251 43011008	LITTLE BLACK CR	114.25
3036520	Wayne	RIDGE ROAD	SALMON CREEK	114.25
4035060	Seneca	96 96 35031296	CAYUGA-SENECA CNL	114.00
1014770	Monroe	18 18 43031020	SCHWIND CREEK	113.50
1042440	Wyoming	238 238 46011077	STEVENS BROOK	112.25
1043010	Ontario	245 245 44041017	PARISH CREEK	112.25
3320360	Wyoming	HARDYS ROAD	EAST KOY CREEK	112.00
1035080	Seneca	96 96 35031298	SENECA RIVER	111.75
1023600	Livingston	36 36 42021013	MILL CREEK	111.25
1034170	Ontario	488 488 44012024	CANANDAIGUAOUTLET	111.25
1023720	Livingston	36 36 42021252	BIDWELLS CREEK	111.00
1042310	Genesee	237 237 41011001	BLACK CREEK	111.00
1043710	Genesee	262 262 41011014	OAK ORCH CRK TRIB	111.00
1047920	Livingston	408 408 42031061	KESHEQUA CREEK	111.00
3042950	Livingston	436 436 42021064	NEWVILLE CREEK	111.00
1016490	Wayne	21 21 37061028	WALKER ROAD	110.50
1021700	Monroe	31 31 43033063	IRONDEQUOIT CREEK	110.50
1028640	Livingston	63 63 42021041	MUD RUN CREEK	110.50
1024620	Livingston	39 39 42061125	JAYCOX CREEK	110.00
1079230	Livingston	36 36 42021307	Fowler Creek	110.00
1001810	Livingston	5 5 42041176	SPRING BROOK	109.75
1030100	Genesee	77 77 41021144	WHITNEY CREEK	109.75

BIN	County	Carried	Crossed	Asset Vulnerability Score
1047210	Monroe	383 383 43011129	BLACK CREEK	109.75
3319110	Orleans	KENT ROAD	MARSH CREEK	109.75
3319380	Orleans	KENT RD.CR 11	MARSH CREEK	109.75
3319390	Orleans	COUNTY ROAD 11	MARSH CREEK	109.75
1040280	Monroe	204 204 43011005	LITTLE BLACK CRK	109.50
1022160	Monroe	250 250 43031046	THOMAS CREEK	109.25
1071190	Ontario	5 5 44052107	SUCKER BROOK	109.25
2034240	Wayne	88 88 37021035	CSX TRANS/AMTRAK	109.25
3317260	Monroe	31F 31F43011049	THOMAS CREEK	109.25
3366910	Monroe	31F 31F43011049	CSX TRANS/AMTRAK	109.25
1015080	Wyoming	19 19 46021026	WISCOY CREEK	109.00
3314710	Wayne	ARCADIA ZURIC RD	SALMON CREEK	108.75
3317080	Monroe	ISLAND COTTAGE RD	ROUND POND CREEK	108.75
3319620	Wyoming	FOLSOMDALE ROAD	CAYUGA CREEK	108.75
3319650	Wyoming	COUNTY ROAD 26	CAYUGA CREEK	108.75
3320010	Wyoming	EXCHANGE ST CR31	STONY BROOK	108.75
1021510	Orleans	31 31 45021049	OAK ORCHARD RIVER	108.25
1043550	Livingston	258 258 42011109	CANASERAGA CREEK	106.50
3315520	Genesee	SUMNER ROAD	MURDER CREEK	106.50
3319010	Orleans	98 X	MARSH CREEK	106.50
1023070	Genesee	33A 33A43021000	490I 490I43021020	106.00
1060440	Wayne	89 89 37031152	104 104 37041303	106.00
1063800	Genesee	33A 33A41011002	490I 490I43021020	106.00
2211670	Ontario	PARRISH STREET	SUCKER BROOK	105.75
1001750	Genesee	5 5 41033105	MUD CREEK	105.50
1028870	Ontario	64 64 44011043	MUD CREEK	105.50
1028880	Ontario	64 64 44011052	MUD CREEK	105.50
1042430	Wyoming	238 238 46011005	STONY CREEK	105.50
1043050	Ontario	245 245 44061023	WEST RIVER	105.50
1046610	Wyoming	362 362 46011001	WISCOY CREEK	105.25
1046650	Yates	364 364 66011082	FLINT CREEK	105.25
1063790	Monroe	104 104 43043B01	RAMPS GB AND GC	105.25
3320140	Wyoming	HARDYS ROAD	TROUT BROOK	105.25
3369130	Wyoming	WETHERSFIELD ROAD	TRIB EAST KOY CRK	105.25
1022050	Orleans	31A 31A45011001	OAK ORCHARD CREEK	105.00
1050119	Monroe	940T 940T43011003	STATE STREET	105.00
1064009	Monroe	940T 940T43011002	PLYMOUTH AVENUE	105.00
1093820	Monroe	940T 940T43011000	940T 940T43A14A01	105.00

BIN	County	Carried	Crossed	Asset Vulnerability Score
1021530	Orleans	31 31 45021083	STILL BROOK	104.75
1052129	Monroe	FIVE MILE LINE RD	104 104 43035251	104.75
3043630	Monroe	260 X	WEST CREEK	104.75
1036440	Orleans	104 104 45021216	SANDY CREEK	104.50
4060680	Wayne	414 414 37051044	CSX TRANS/AMTRAK	104.50
1014750	Orleans	18 18 45021183	MARSH CREEK EAST	104.25
1043600	Monroe	260 260 43011044	OTIS CREEK	104.25
1043610	Monroe	260 260 43011057	BROCKPORT CREEK	104.25
3314830	Wayne	RIDGE ROAD	SODUS BAY	104.25
3315340	Genesee	WEST SWEDEN ROAD	BLACK CREEK	104.25
3315360	Genesee	LAKE ROAD	MURDER CREEK	104.25
3315390	Genesee	NORTH PEMBROKE RD	TONAWANDA CREEK	104.25
3316010	Genesee	TRANSIT ROAD	WHITE CREEK	104.25
3318800	Ontario	YATES CARLTON TLR	JOHNSON CREEK	104.25
3368080	Monroe	N. GREECE ROAD	LARKIN CREEK	104.25
1073451	Monroe	104 104 43035258	HARD ROAD	103.50
1073452	Monroe	104 104 43035258	HARD ROAD	103.50
1071840	Livingston	36 36 42021122	390I 390I42021118	103.25
1042370	Genesee	237 237 41011077	BLACK CREEK	103.00
1014720	Orleans	18 18 45021143	OAK ORCHARD CREEK	102.00
1068910	Wyoming	39 39 46011005	STATION DRIVE	102.00
1520141	Orleans	947A 947A45011021	POINT BREEZE ROAD	102.00
1520142	Orleans	947A 947A45011021	OAK ORCHARD CREEK	102.00
3320090	Wyoming	EAST KOY ROAD	EAST KOY CREEK	102.00
3335640	Yates	COUNTY ROAD 9	KEUKA LAKE OUTLET	102.00
1021589	Monroe	31 31 43031184	390 390 43011005	101.50
1023770	Monroe	36 36 43031080	490I 490I43021050	101.50
1063980	Monroe	36 36 43031081	490I 490I43021050	101.50
4445260	Orleans	98 98 45041081	ERIE CANAL	101.50
1001870	Ontario	5 5 44053008	FALLS CREEK	101.25
1011510	Monroe	15 15 43031036	HONEOYE CREEK	101.00
1011540	Monroe	15 15 43031106	RED CREEK	101.00
1015210	Genesee	19 19 41031032	20 20 41031228	101.00
1015250	Genesee	19 19 41031122	90I X	101.00
1016210	Livingston	20A 20A42031151	CONESUS LK OUTLET	101.00
1016420	Ontario	21 21 44031028	RESERVOIR CREEK	101.00
1022950	Genesee	33 33 41021097	BOWEN CREEK	101.00
1035160	Ontario	96 96 44041231	ONTARIO CENTRAL	101.00

BIN	County	Carried	Crossed	Asset Vulnerability Score
1042330	Genesee	237 237 41011016	BLACK CREEK	101.00
1042340	Genesee	237 237 41011030	90I X	101.00
1010960	Ontario	14 14 44041001	KASHONG CREEK	100.75
3318650	Ontario	BAPTIST HILL ROAD	MUD CREEK	100.75
3318670	Ontario	COUNTY ROAD 4	FLINT CREEK	100.75
3335570	Yates	COUNTY ROAD 18	FLINT CREEK	100.75
3335590	Yates	ITALY VALLEY ROAD	FLINT CREEK	100.75
1024630	Livingston	39 39 42061169	CONESUS LAKE OUTL	100.50
4437030	Wayne	LYONS-MARENGO RD	ERIE CANAL	100.25
1043490	Livingston	256 256 42011210	CONESUS LAKE OUTL	100.00
1043580	Monroe	259 259 43011148	WEST CREEK	99.75
1068450	Orleans	947A 947A45011107	BALD EAGLE CREEK	99.75
2211300	Monroe	SMITH STREET	GENESEE RIVER	99.75
3317920	Monroe	CR 174	OATKA CREEK	99.75
3319270	Orleans	OAK ORCHARD ROAD	MANNING MUKLND CK	99.75
3319400	Orleans	EGL HBR-WATERPORT	OTTER CREEK	99.75
3320120	Wyoming	GRIFFITH ROAD	EAST KOY CREEK	99.75
3361980	Orleans	EAST KENT ROAD	MARSH CREEK	99.75
4443590	Monroe	WASHINGTON STREET	ERIE CANAL	99.75
1015300	Monroe	19 19 43041090	MOORMAN CREEK	99.50
1077440	Monroe	18 18 43031174	LARKIN CREEK	99.25
2210810	Genesee	RIVER STREET	TONAWANDA CREEK	99.25
3317030	Monroe	LAWTON ROAD	MOORMAN CREEK	99.25
3317360	Monroe	FLINT HILL ROAD	SPRING CREEK BR 2	99.25
3317580	Monroe	LONG POND ROAD	LARKIN CREEK	99.25
3317880	Monroe	Attridge Rd	Black Creek	99.25
3211130	Monroe	EDGEMERE DRIVE	ROUND POND OUTLET	98.75
1073461	Monroe	104 104 43035265	HOLT ROAD	98.50
1073462	Monroe	104 104 43035265	HOLT ROAD	98.50
1048899	Monroe	441 441 43011102	490I 490I43023015	97.50
1063969	Monroe	940C 940C43035006	104 104 43035211	97.50
3315140	Genesee	OAK ORCHARD ROAD	OAK ORCHARD CREEK	97.50
3315610	Genesee	TOWN LINE ROAD	TUNNERY CREEK	97.50
1015090	Wyoming	19 19 46021088	EAST KOY CREEK	97.25
1036640	Wayne	104A 104A37011005	RED CREEK	97.25
1014850	Monroe	941L 18 43035031	IROND. BAY OUTLET	97.00
1023030	Monroe	33 33 43031138	390I 390I43037016	96.50
1025869	Monroe	204 204 43011033	390I 390I43037000	96.50

BIN	County	Carried	Crossed	Asset Vulnerability Score
1036410	Orleans	104 104 45021003	JEDDO CREEK	96.50
1044360	Orleans	279 279 45011037	BEARDSLEY CREEK	96.50
1048680	Monroe	940L 940L43011018	490I 490I43021172	96.50
1060620	Monroe	259 259 43011002	490I 490I43021094	96.50
1074690	Monroe	MANITOU ROAD	531 531 43012059	96.50
1001700	Genesee	5 5 41033002	CSX TRANS/AMTRAK	96.00
1022970	Genesee	33 33 41023015	CSX TRANS/AMTRAK	96.00
1022980	Genesee	33 33 41023024	90I X	96.00
1028730	Genesee	63 63 41043011	90I X	96.00
1034330	Wayne	89 89 37031060	CRUSOE CREEK	95.75
1063939	Monroe	441 441 43011122	IRONDEQUOIT CREEK	95.75
3318460	Ontario	COUNTY ROAD 37	HONEOYE CREEK	95.75
1015660	Genesee	BETHANY CTR ROAD	20 20 41031170	95.50
4035279	Seneca	96A 96A35011265	CAYUGA-SENECA CNL	95.50
1035989	Monroe	947A 947A43021201	ROUND POND CREEK	95.25
1044511	Monroe	286 286 43011007	IRONDEQUOIT CREEK	95.25
1044512	Monroe	286 286 43011007	IRONDEQUOIT CREEK	95.25
1046640	Yates	364 364 66011071	NETTLE VALLEY CRK	95.25
1095710	Monroe	441 441 43011101	ALLEN CREEK	95.25
2211090	Monroe	MAIDEN LANE	ROUND POND CREEK	95.25
3315510	Genesee	SUMNER ROAD	ELLCOTT CREEK	95.25
3319530	Wyoming	EXCHANGE STREET	CROW CREEK	95.25
3319870	Wyoming	CHAFFEE ROAD	CATTARAUGUS CREEK	95.25
3320380	Wyoming	HERMITAGE ROAD	TRIB EAST COY CRK	95.25
4034310	Seneca	89 89 35021304	CAYUGA-SENECA CNL	95.25
1050139	Monroe	940T 940T43011023	RAMP LB	95.00
1073830	Monroe	940T 940T43611B01	940T 940T43011014	95.00
1023080	Monroe	33A 33S43021064	BLACK CREEK	94.75
1035909	Monroe	947A 947A43021147	SALMON CREEK	94.75
3043640	Monroe	260 X	BRUSH CREEK	94.75
3316970	Monroe	BRGHTN-HENRTTA TL	RED CREEK	94.75
3317020	Monroe	IRELAND ROAD	SALMON CREEK	94.75
3317040	Monroe	PIXLEY ROAD	LITTLE BLACK CR.	94.75
3317650	Monroe	REDMAN ROAD	SANDY CREEK	94.75
3317800	Monroe	OGDEN PARMA TL RD	SALMON CREEK	94.75
3317810	Monroe	WILDER ROAD	SALMON CREEK	94.75
3317910	Monroe	UNION STREET	OATKA CREEK	94.75
1043680	Monroe	261 261 43011060	SALMON CREEK	94.25

BIN	County	Carried	Crossed	Asset Vulnerability Score
1043690	Monroe	261 261 43011061	WEST CREEK	94.25
3317050	Monroe	NORTH GREECE ROAD	NORTHRUP CREEK	94.25
3317530	Monroe	NORTH GREECE ROAD	NORTHRUP CREEK	94.25
1042380	Genesee	237 237 41011080	SPRING CREEK	94.00
3317900	Monroe	SALT ROAD	FOURMILE CREEK	93.50
1035962	Monroe	947A 947A43021181	LARKIN CREEK	93.00
1077450	Monroe	18 18 43031185	ROUND POND CREEK	93.00
2211310	Monroe	DRIVING PARK AVE	ROCH.G&E.SERV. RD	93.00
3315440	Genesee	COUNTY LINE ROAD	ELLCOTT CREEK	93.00
3315500	Genesee	SUMNER ROAD	ELEVENMILE CREEK	93.00
3315600	Genesee	ATTICA ROAD	TUNNERY CREEK	93.00
3316080	Genesee	NORTH STREET ROAD	OATKA CREEK	93.00
3319060	Orleans	KNOWLESVILLE ROAD	OAK ORCHARD CREEK	93.00
1001920	Ontario	14 14 44042015	5 5 44054011	92.50
1011020	Wayne	14 14 37051031	DEPEW AVENUE	92.50
1021690	Monroe	31 31 43033062	490I 490I43023058	92.50
1043520	Livingston	258 258 42011099	WEST DITCH	92.50
1043530	Livingston	258 258 42011101	BIG DITCH OVERFLW	92.50
1043540	Livingston	258 258 42011104	BRADNER CREEK	92.50
1048929	Monroe	940U 940U43011001	490I 490I43023028	92.50
1063919	Monroe	441 441 43011110	CSX TRANS/AMTRAK	92.50
1063929	Monroe	441 441 43011120	153 153 43011278	92.50
1071740	Livingston	408 408 42031192	CANASERAGA CREEK	92.50
2211280	Monroe	ANDREWS STREET	GENESEE RIVER	92.50
2256078	Monroe	31 X	GENESEE RIVER	92.50
2256080	Monroe	31 X	SUBWAY TUNNEL	92.50
1016510	Wayne	MILL STREET	SALMON CREEK	92.25
1024570	Wyoming	39 39 46051107	SO. WISCOY CREEK	92.00
2211270	Monroe	MAIN STREET	GENESEE RIVER	92.00
1028710	Livingston	63 63 42021257	GENESEE&WYOMING	91.75
1023760	Monroe	36 36 43031033	90I X	91.50
1040291	Monroe	204 204 43011006	PIXLEY ROAD	91.50
1040292	Monroe	204 204 43011006	PIXLEY ROAD	91.50
1028900	Monroe	64 64 43021040	IRONDEQUOIT CREEK	91.25
1071200	Ontario	5 5 44052104	W LAKE RD (CR16)	91.25
1074300	Ontario	5 5 44054022	MARSH CREEK	91.25
3317310	Monroe	RUSH WEST RUSH RD	TRIB HONOYE CREE	91.25
3317890	Monroe	EAST RIVER ROAD	HONEOYE CREEK	91.25

BIN	County	Carried	Crossed	Asset Vulnerability Score
3318250	Ontario	CLIFTON STREET	CANANDAIGUA OUTLT	91.25
3368050	Monroe	SOUTH WINTON ROAD	ALLENS CREEK	91.25
1035730	Genesee	98 98 41033001	90I X	91.00
1011470	Livingston	15 15 42021045	SPRINGWATER CR	90.75
1046660	Yates	364 364 66011124	WEST RIVER	90.75
3219280	Yates	LOOMIS ROAD	WEST RIVER	90.75
3313890	Seneca	DAWSON CORNERS RD	BOARDMAN CREEK	90.75
3314790	Wayne	LYONS MARENGO RD	POND BROOK	90.75
3318410	Ontario	WHEELER ROAD	MUD CREEK	90.75
3318710	Ontario	COUNTY ROAD 15	HEMLOCK OUTLET	90.75
3318720	Ontario	COUNTY ROAD 15	HONEOYE CREEK	90.75
3318740	Ontario	FIVE WATERS CLIFT	CANANDAIGUA OUTLT	90.75
3335580	Yates	COUNTY ROAD 4	POTTER SWAMP CRK	90.75
3335620	Yates	COUNTY ROAD 24	SUGAR CREEK	90.75
3359540	Yates	COUNTY ROAD 18	SEGAR GULLY	90.75
3370770	Wayne	Lyons-Marengo Road	Clyde River	90.75
3369830	Wyoming	SALTVALE ROAD	HANDYSIDE GULF	90.50
1048530	Monroe	942A X	IRONDEQUOIT CREEK	90.25
3314500	Wayne	CANANDAIGUA ROAD	GANARGUA CREEK	90.25
3370060	Monroe	COUNTY ROAD 251	LARKIN CREEK	90.25
4435090	Seneca	RIVER ROAD CONN.	CAYUGA-SENECA CNL	90.25
1093830	Monroe	940T 940T43011003	490I 490I43022027	90.00
1042410	Orleans	237 237 45021103	E BRN SANDY CREEK	89.75
1042420	Orleans	237 237 45021122	SANDY CREEK	89.75
3317500	Monroe	NORTH GREECE RO	NORTHRUP CREEK	89.75
3317590	Monroe	COUNTY ROAD 142	NORTHRUP CREEK	89.75
3319220	Orleans	HULBERTON ROAD	W BRN SANDY CREEK	89.75
3361620	Monroe	COUNTY ROAD 1	FOUR MILE CREEK	89.75
4445280	Orleans	237 237 45021082	CANAL ACCESS ROAD	89.75
3314930	Genesee	LEWISTON ROAD	BRINNINGSTOOL CRK	89.50
4011030	Wayne	14 14 37051034	ERIE CANAL	89.50
4021760	Wayne	31 31 37061097	ERIE CANAL	89.50
4022190	Wayne	31F 31F37021051	ERIE CANAL	88.75
1035961	Monroe	947A 947A43021181	LARKIN CREEK	88.50
3314560	Wayne	COUNTY ROAD 101	BEAR CREEK	88.50
3318940	Orleans	KNOWLESVILLE RD	TRIB OAK ORCHARD	88.50
3366410	Wyoming	COUNTY ROAD 53	KELLY BROOK	88.50
3369710	Monroe	LONG POND ROAD	ROUND POND CREEK	88.50

BIN	County	Carried	Crossed	Asset Vulnerability Score
3370480	Wayne	Lake Rd (CR 101)	Maxwell Creek	88.50
1010999	Ontario	96 96 44041009	14 14 44043044	88.00
1011530	Monroe	15 15 43031079	90I X	88.00
1016450	Ontario	21 21 44053051	PADELFORD BROOK	88.00
1048800	Monroe	CULVER ROAD	490I 490I43022055	88.00
1071120	Livingston	20A 20A42031134	390I 390I42021269	88.00
1071150	Livingston	15 15 42021238	390I 390I42021303	88.00
4435070	Seneca	BRIDGE STREET	SENECA RIVER	88.00
1010930	Yates	14 14 66031014	ROCK STREAM	87.50
1016240	Ontario	20A 20A44041132	MUD CREEK	87.50
1026940	Yates	54 54 66021077	WILLOW GROVE CREE	87.50
1011570	Livingston	15A 15A42031014	CANADICE OUTLET	86.25
1023710	Livingston	36 36 42021224	PEARL CREEK	86.25
1043510	Livingston	258 X	KESHEQUA CREEK	86.25
3315170	Genesee	NORTH BERGEN ROAD	TRIB BLACK CREEK	86.25
3315200	Genesee	COUNTY ROAD 19A	SPRING CREEK	86.25
3317700	Monroe	CALKINS ROAD	RED CREEK	86.25
3318930	Ontarion	BATES ROAD	OAK ORCHARD CREEK	86.25
3367000	Monroe	VINTAGE LANE	ROUND POND CREEK	86.25
3368040	Monroe	BRIGHTON HENRIETT	ALLEN CREEK	86.25
1001860	Ontario	WEST AVENUE	SUCKER BROOK	85.75
1034320	Seneca	89 89 35021339	90I X	85.75
3314520	Wayne	ALDERMAN ROAD	GANARGUA CREEK	85.75
3314860	Wayne	SAVANNAH SPR LK R	CRUSOE CREEK	85.75
3316330	Livingston	COUNTY ROAD 37	BEARDS CREEK	85.75
3317250	Monroe	LYNDON ROAD	THOMAS CREEK	85.75
3318070	Ontario	BROWNSVILLE ROAD	GANARGUA CREEK	85.75
3318690	Ontario	PORT GIBSON RD	CANANDAIGUA OUTLT	85.75
3370050	Monroe	English Rd	Larkin Creek	85.75
1023610	Livingston	36 36 42021037	CANASERAGA CREEK	85.25
1014800	Monroe	18 18 43031157	NORTHRUP CREEK	84.50
3043620	Monroe	260 X	MOORMAN CREEK	84.50
4443340	Monroe	33A 33A43021152	ERIE CANAL	84.50
3315370	Genesee	COUNTY ROAD 4	ELLCOTT CREEK	84.00
3319670	Wyoming	OLD STATE ROAD	PEARL CREEK	84.00
3317070	Monroe	FRISBEE HILL ROAD	BUTTONWOOD CREEK	83.50
1016500	Wayne	HAMILTON STREET	SALMON CREEK	83.25
4035190	Monroe	96 96 43051037	IRONDEQUOIT CREEK	83.25

BIN	County	Carried	Crossed	Asset Vulnerability Score
1011520	Monroe	15 15 43031041	MONROE CO PARKS	83.00
1016470	Ontario	21 21 44053066	90I X	83.00
1035110	Ontario	96 96 44041107	FALL BROOK	83.00
1046051	Ontario	332 332 44012068	PLASTER MILL ROAD	83.00
1046270	Livingston	70 351 42011022	KESHEQUA CREEK	83.00
1048790	Monroe	SOUTH GOODMAN ST	490I 490I43022045	83.00
1063789	Monroe	252 252 43011068	15 15 43031109	83.00
1077580	Monroe	CLINTON AVE SO	490I 490I43022038	83.00
1077590	Monroe	CLINTON AVENUE SO	940T 940T43011023	83.00
2210820	Genesee	SOUTH LYON STREET	TONAWANDA CREEK	83.00
3042960	Livingston	436 436 42021166	BRADNER CREEK	83.00
3317340	Monroe	MON-WYN CO LNE RD	FOUR MILE CREEK	83.00
3317350	Monroe	SCHLEGEL ROAD	FOUR MILE CREEK	83.00
3318590	Ontario	NO BLOOMFIELD RD	SHAFFER CREEK	83.00
4435080	Seneca	RUMSEY STREET	SENECA RIVER	83.00
5516830	Genesee	RAMP TO EXIT 48	90I X	83.00
1021780	Wayne	31 31 37061232	CSX TRANS/AMTRAK	82.50
1070260	Livingston	5 5 42041127	390I 390I42021334	82.25
1071760	Livingston	63 63 42021188	390I 390I42021197	81.75
3358760	Orleans	237 237 45021155	BALD EAGLE CREEK	81.50
1034220	Ontario	88 88 44012139	CANANDAIGUA OUTLT	81.25
1049740	Monroe	940J 940J43011000	SPRING CREEK	81.25
3318660	Ontario	COUNTY ROAD 4	CANANDAIGUA OUTLE	81.25
3318760	Ontario	BOUGHTON HILL RD	MUD CREEK	81.25
4060410	Seneca	89 89 35021348	ERIE CANAL	81.25
4435140	Seneca	LOCUST STREET	CAY & SEN CANAL	81.25
1050150	Monroe	UTILITY STEAM BRG	INNER LOOP	80.75
2267180	Ontario	BRISTOL STREET	SUCKER BROOK	80.75
3318290	Ontario	PLASTERMILL ROAD	GANARGUA CREEK	80.75
3318420	Ontario	FISHER ROAD	IRONDEQUOIT CREEK	80.75
1010970	Ontario	14 14 44041034	WILSON CREEK	80.50
3317760	Monroe	HONEOYE FALLS RD	SPRING BROOK	80.25
1042760	Monroe	941V 941V43011016	IRONDEQUOIT CREEK	80.00
1052080	Monroe	DEWITT ROAD	104 104 43035227	79.75
1023010	Monroe	33 33 43031027	BLACK CREEK	79.50
1035220	Monroe	96 96 43051088	ALLEN CREEK	79.50
1044090	Monroe	272 272 45011030	SANDY CREEK	79.50
1044521	Monroe	286 286 43011014	OLD MILL RUN	79.50

BIN	County	Carried	Crossed	Asset Vulnerability Score
3314940	Genesee	LOCKPORT ROAD	OAK ORCHARD CREEK	79.50
3314960	Genesee	JUDGE ROAD	WHITNEY CREEK	79.50
3318430	Ontario	EAST LAKE ROAD	MILL CREEK	79.50
3319040	Orleans	KENT RD	MARSH CREEK TRIB.	79.50
3366390	Genesee	NORTH BYRON ROAD	TB OAK ORCHARD CK	79.50
4443350	Monroe	33 33 43031140	ERIE CANAL	79.50
4443380	Monroe	31 31 43031188	ERIE CANAL	79.50
4443410	Monroe	204 204 43011033	ERIE CANAL	79.50
4445290	Orleans	387 387 45011006	ERIE CANAL	79.50
1035869	Monroe	947A 947A43021054	SANDY CREEK	79.00
3315330	Genesee	WEST SWEDEN ROAD	TRIB BLACK CREEK	79.00
3368070	Monroe	COUNTY ROAD 5	TRB MILL CREEK	79.00
3319250	Orleans	PUMPNG STATION RD	E BR SANDY CREEK	78.25
3319260	Orleans	SOUTH HOLLEY ROAD	E BR SANDY CREEK	78.25
1048150	Seneca	414 414 35041330	90I X	78.00
1062400	Monroe	AMES STREET	490I 490I43022015	78.00
1069050	Monroe	15 15 43031050	390I 390I43031050	78.00
1070280	Monroe	HONEOYE FALLS RD	390I 390I43031006	78.00
1070290	Monroe	15 15 43031008	390I 390I43031007	78.00
1093869	Monroe	PLYMOUTH AVE	490I 490I43022032	78.00
3370790	Monroe	Honeoye Falls Rd	Honeoye	78.00
5510910		MILE SQ RD CR 70	90I X	78.00
5510960	Ontario	PORT GIBSON RD C7	90IX (EB)	78.00
5511000	Ontario	PORT GIBSON R CR7	90I (WB)	78.00
1028930	Monroe	65 65 43031002	HONEOYE CREEK	76.75
3316210	Livingston	MARTIN ROAD	HONEOYE CREEK	76.75
2256330	Livingston	GIBSON STREET	MILL CREEK	76.25
1042360	Genesee	237 237 41011075	BLACK CK OVERFLOW	76.00
1046680	Ontario	364 364 44021044	DEEP RUN CREEK	75.50
3317840	Monroe	BAIRD ROAD	THOMAS CREEK	75.50
1035870	Monroe	947A 947A43021100	BRUSH CREEK	75.00
1035880	Monroe	947A 947A43021102	EAST CREEK	75.00
1043400	Monroe	251 251 43011249	IRONDEQUOIT CREEK	75.00
1044522	Monroe	286 286 43011014	OLD MILL RUN	75.00
3316240	Livingston	FOWLerville ROAD	GENESEE RIVER	75.00
3316900	Livingston	FAULKNER ROAD	CANASERAGA CREEK	75.00
3318500	Ontario	COUNTY ROAD 37	BEBEE CREEK	75.00
3318680	Ontario	PREMPTION ROAD	CASTLE CREEK	75.00

BIN	County	Carried	Crossed	Asset Vulnerability Score
3318730	Ontario	WEST LAKE ROAD	MENTETH GULLY	75.00
3320060	Wyoming	SIMMONS ROAD	LITTLE BEARDS CRK	75.00
3370360	Monroe	Whitney Rd	Thomas Creek	75.00
1014760	Monroe	18 18 43031017	SANDY CREEK	74.50
1014780	Monroe	18 18 43031061	MOORMAN CREEK	74.50
1035919	Monroe	947A 947A43021156	BUTTONWOOD CREEK	74.50
1035949	Monroe	947A 947A43021170	NORTHRUP CREEK	74.50
1043650	Monroe	261 261 43011022	NORTHRUP CREEK	74.50
1048620	Monroe	W SIDE DRIVE	490I 490I43021137	74.50
3319410	Orleans	ORL MNROE C LN RD	SANDY CREEK	74.50
4443110	Monroe	LEE ROAD	ERIE CANAL	74.50
3368100	Wayne	MONROE-WNE C.L.RD	FOUR MILE CREEK	74.00
1052319	Ontario	96 96 44041270	490I 490I44031014	73.00
3314880	Wayne	CHAPMANS CRNRS RD	RED CREEK	72.75
4445050	Orleans	HULBERTON ROAD	ERIE CANAL	72.75
1011460	Livingston	15 15 42021039	LIMEKILN CREEK	72.50
1048110	Seneca	414 414 35041051	MILL CREEK	72.50
4443289	Monroe	96 96 43051060	ERIE CANAL	72.50
4443290	Monroe	31 31 43033039	ERIE CANAL	72.50
3359080	Livingston	Red Jacket St	MILL CREEK	71.75
3319100	Orleans	WATERPORT CARLTON	BEARDSLEY CREEK	71.50
3319330	Orleans	EAGLE HBR-W BARRE	OTTER CREEK	71.50
3366350	Orleans	W.COUNTY HOUSE RD	OTTER CREEK	71.50
1028630	Livingston	63 63 42021008	LITTLE MILL CREEK	71.00
1036010	Monroe	GREENLEAF ROAD	947A 947A43011218	71.00
1048540	Genesee	GUSTIN ROAD	490I 490I41011002	71.00
1048550	Genesee	BOVEE ROAD	490I 490I43021000	71.00
1063940	Genesee	STONE CHURCH RD	490I 490I43021000	71.00
2211360	Monroe	LAKE AVENUE	CSX TRANSPRTATION	71.00
1011560	Livingston	15A 15A42011022	REYNOLDS GULF	70.50
1016230	Ontario	20A 20A44041105	MUD CREEK	70.50
2257840	Ontario	SALTONSTALL STREE	FEEDER CANAL	70.50
3316500	Livingston	SLIKER HILL ROAD	CONESUS INLET	70.50
3316890	Livingston	CANASERAGA ROAD	SUGAR CREEK	70.50
3318450	Ontario	COUNTY ROAD 37	HEMLOCK OUTLET	70.50
3318520	Ontario	COUNTY ROAD 33	MILL CREEK	70.50
3319970	Wyoming	W MIDDLEBURY ROAD	LIT TONAWANDA CRK	70.50
3320170	Wyoming	DUTCH HOLLOW ROAD	GLADE CREEK	70.50

BIN	County	Carried	Crossed	Asset Vulnerability Score
3361950	Wyoming	W MIDDLEBURY ROAD	MIDDLEBURY BROOK	70.50
3366420	Wyoming	COUNTY ROAD 1	KENNEDY GULF	70.50
3369140	Wyoming	W MIDDLEBURY ROAD	MIDDLEBURY BROOK	70.50
1028950	Monroe	65 65 43031011	HONEOYE CREEK	70.00
1029000	Monroe	65 65 43031147	ALLEN CREEK	70.00
2268270	Ontario	LAKESHORE DRIVE	CANANDAIGUA OUTLE	70.00
1026070	Monroe	NORTH WINTON RD.	590 590 43013004	69.75
1052090	Monroe	BAY ROAD	104 104 43035231	69.75
3317200	Monroe	PARMA CENTER ROAD	SALMON CREEK	69.50
3317510	Monroe	NORTH GREECE ROAD	NORTHRUP CREEK	69.50
3317520	Monroe	N.GREECE ROAD	NORTHRUP CREEK	69.50
3319420	Orleans	MON-ORL CO LNE RD	E BR SANDY CREEK	69.50
3316950	Livingston	STONE FALLS ROAD	LITTLE MILL CREEK	67.25
1021520	Orleans	31 31 45021081	FISH CREEK	66.50
1021540	Orleans	31 31 45021088	FALLS ROAD RR	66.50
1048560	Monroe	SHERIDAN ROAD	490I 490I43021032	66.50
1048580	Monroe	ATTRIDGE ROAD	490I 490I43021072	66.50
1063970	Monroe	SHERIDAN ROAD	490I 490I43021032	66.50
1063990	Monroe	ATTRIDGE RD	490I 490I43021073	66.50
4443190	Monroe	PARK AVE-FAYETTE	ERIE CANAL	66.50
4443230	Monroe	259 259 43011070	ERIE CANAL	66.50
4443400	Monroe	260 260 43011010	ERIE CANAL	66.50
1052140	Monroe	940C 940C43035006	104 104 43035212	66.25
1011610	Monroe	15A 15A43041043	HONEOYE CREEK	66.00
1021650	Monroe	31 31 43033017	ALLEN CREEK	66.00
1035120	Ontario	96 96 44041140	CANANDAIGUA OUTLT	66.00
1035999	Monroe	947A 947A43021208	DEWEY AVE-C R 132	66.00
1036650	Wayne	104A 104A37011040	BLIND SODUS CREEK	66.00
2211370	Monroe	LAKE AVENUE	CSX TRANSPRTATION	66.00
2211570	Monroe	FORD STREET	BIKE PATH OLD RR	66.00
3315530	Genesee	DODGESON ROAD	BOWEN CREEK	66.00
3319020	Orleans	SAWYER RD	MARSH CREEK	66.00
5315350	Genesee	INDIAN FLS C.R. 4	90I X	66.00
2211610	Ontario	NORTH PEARL ST	SUCKER BROOK	65.50
3317130	Monroe	MILE SQUARE RD	IRONDEQUOIT CREEK	65.50
3317280	Monroe	THORNELL RD.	IRONDEQUOIT CREEK	65.50
3317400	Monroe	EDGEWOOD AVENUE	ALLEN CREEK	65.00
3319290	Orleans	SANDERSON ROAD	OAK ORCHARD CREEK	65.00

BIN	County	Carried	Crossed	Asset Vulnerability Score
4318000	Monroe	GENESEE PARK ROAD	RED CREEK	65.00
1023620	Livingston	36 36 42021047	BRADNER CREEK	63.25
3313980	Seneca	YELLOW TAVERN RD	KENDIG CREEK	62.50
3335550	Yates	PREEMPTION ROAD	KASHONG CREEK	62.50
3335600	Yates	COUNTY ROAD 29	BIG GULLY	62.50
4016480	Wayne	21 21 37061024	ERIE CANAL	62.50
1021550	Orleans	31 31 45021157	W BR SANDY CREEK	61.50
1035770	Orleans	98 98 45041143	BEARDSLEY CREEK	61.50
1035920	Monroe	EAST MANITOU ROAD	947A 947A43021160	61.50
1035950	Monroe	LONG POND ROAD	947A 947A43021177	61.50
1044030	Orleans	269 269 54011025	JOHNSON CREEK	61.50
1044040	Orleans	269 269 54011028	JOHNSON CK BR	61.50
1048670	Monroe	WEGMAN ROAD	490I 490I43021162	61.50
1049759	Monroe	940K 940K43011010	CSX FALLS BRANCH	61.50
1049770	Monroe	RIDGEWAY AVENUE	940K 940K43011029	61.50
1049800	Monroe	940L 940L43011009	CSX TRANS/AMTRAK	61.50
1062510	Monroe	RIDGEWAY AVENUE	390 390 43011023	61.50
1068430	Orleans	NORWAY ROAD	947A 947A45011114	61.50
1068440	Orleans	947A 947A45011114	BALD EAGLE CREEK	61.50
1068461	Orleans	947A 947A45011083	WEST KENDALL ROAD	61.50
1068462	Orleans	947A 947A45011083	WEST KENDALL ROAD	61.50
1072380	Monroe	18 18 43031195	390 390 43011067	61.50
1072420	Monroe	VINTAGE LANE	390 390 43011052	61.50
1073170	Monroe	386 386 43011115	531 531 43011011	61.50
1095570	Monroe	WEGMAN ROAD	490I 490I43021163	61.50
1095591	Monroe	947A 947A45011125	272 272 45011074	61.50
1095592	Monroe	947A 947A45011125	272 272 45011074	61.50
1520130	Orleans	KENDALL ROAD	947A 947A45011104	61.50
2211340	Monroe	DEWEY AVENUE	EASTMAN KODAK	61.50
2257180	Orleans	CLARENDON STREET	FALLS ROAD	61.50
3211140	Monroe	RIDGEWAY AVENUE	EASTMAN KODAK RR	61.50
3318850	Ontario	MURDOCK ROAD	JOHNSON CREEK	61.50
3318860	Ontario	MILL ROAD	JEDDO CREEK	61.50
3319350	Orleans	DENSMORE ROAD	W BR SANDY CREEK	61.50
3319370	Orleans	EGL HBR WATERPORT	OTTER CREEK	61.50
3368060	Monroe	LONG POND ROAD	TRIB RND POND CRK	61.50
4047410	Monroe	386 386 43011009	ERIE CANAL	61.50
4443120	Monroe	LONG POND ROAD	ERIE CANAL	61.50

BIN	County	Carried	Crossed	Asset Vulnerability Score
4443210	Monroe	REDMAN RD CR 236	ERIE CANAL	61.50
4443240	Monroe	19 19 43041058	ERIE CANAL	61.50
4445150	Orleans	EAGLE HARBOR ROAD	ERIE CANAL	61.50
4443220	Monroe	250 250 43031043	ERIE CANAL	61.25
1011600	Monroe	15A 15A43041011	SPRING CREEK	61.00
1028940	Monroe	65 65 43031008	HONEOYE CREEK	61.00
1028960	Monroe	65 65 43031031	BR OF HONEOYE CK	61.00
3315320	Genesee	WEST SWEDEN ROAD	TRIB BLACK CREEK	61.00
3317410	Monroe	WESTFALL ROAD	ALLEN CREEK	61.00
3318110	Ontario	STRYKER ROAD	CANANDAIGUA OUTLT	61.00
5315690	Genesee	BANK ST RD CR 13	90I X	61.00
5316050	Genesee	WEST BERGEN RD	90I X	61.00
5516920	Genesee	RAMP TO EXIT 47	90I X	61.00
1026060	Monroe	TRYON PARK	590 590 43012006	59.75
3319320	Orleans	E OAK ORCHARD ST	OAK ORCHARD CREEK	58.25
1028980	Monroe	65 65 43031112	CSX TRANS/W SHORE	58.00
3316740	Livingston	NUNDA BYERSVLE RD	BUTTERNUT CREEK	58.00
4443300	Monroe	65 65 43031114	ERIE CANAL	58.00
4443260	Monroe	31 31 43033072	ERIE CANAL	57.50
1068471	Orleans	947A 947A45011073	PETER SMITH ROAD	57.00
1068472	Orleans	947A 947A45011073	PETER SMITH ROAD	57.00
1068480	Orleans	LAKE SHORE ROAD	947A 947A45011048	57.00
1068490	Orleans	WILSON ROAD	947A 947A45011010	57.00
1068501	Orleans	947A 947A45011000	948A 948A45011001	57.00
1068502	Orleans	947A 947A45011000	948A 948A45011001	57.00
3330150	Wyoming	COUNTY ROAD 36	COLD CREEK	57.00
1014810	Monroe	18 18 43031168	SMITH CREEK	56.50
1023000	Monroe	33 33 43031005	CSX TRANS/AMTRAK	56.50
1028920	Livingston	65 65 44011036	HONEOYE CREEK	56.50
1035841	Monroe	947A 947A43021030	YANTY CREEK	56.50
1035842	Monroe	947A 947A43021030	YANTY CREEK	56.50
1041320	Monroe	941P 215 43011003	YANTY CREEK	56.50
1043340	Monroe	386 251 43011185	90I X	56.50
1043660	Monroe	261 261 43011039	BLACK CREEK	56.50
1043670	Monroe	261 261 43011048	BUTTONWOOD CREEK	56.50
1048600	Monroe	PAUL ROAD	490I 490I43021107	56.50
1068421	Monroe	947A 947A43021026	RAMP I & RAMP J	56.50
1068422	Monroe	947A 947A43021026	RAMP I & RAMP J	56.50

BIN	County	Carried	Crossed	Asset Vulnerability Score
1072370	Monroe	ENGLISH ROAD	390 390 43011057	56.50
1072430	Monroe	LOWDEN POINT ROAD	947A 947A43021167	56.50
1073980	Monroe	259 259 43011010	TOWN ACCESS ROAD	56.50
1095550	Monroe	PAUL ROAD	490I 490I43021107	56.50
3095730	Monroe	260 X	COWSUCKER CREEK	56.50
3317450	Monroe	BEAHAN ROAD	LITTLE BLK CREEK	56.50
3319200	Orleans	HURD RD CR 42	E BRA SANDY CREEK	56.50
3368090	Monroe	REDMAN ROAD	TRIB SANDY CREEK	56.50
4443200	Monroe	SMITH STREET	ERIE CANAL	56.50
5510830	Monroe	BEULAH RD. CR 166	90I X	56.50
5510840	Monroe	WINSLOW RD CR 188	90I X	56.50
5510860	Monroe	UNION STREET	90I X	56.50
5510900	Monroe	E RIVER RD C R 84	90I X	56.50
1001939	Ontario	5 5 44054012	NOR SO/FINGER LKS	56.25
1051290	Monroe	BAY VIEW RD	590 590 43013015	56.25
1052200	Monroe	PORTLAND AVENUE	104 104 43033000	56.25
1074100	Monroe	96 96 43051103	RAMP WS	56.25
4034230	Wayne	88 88 37021024	ERIE CANAL	56.25
1072410	Monroe	ISLAND COTTAGE RD	947A 947A43021199	56.00
1095610	Monroe	LATTA ROAD	947A 942F43011001	56.00
5315680	Genesee	STATE STREET ROAD	90I X	56.00
1070900	Monroe	15A 15A43041228	390I 390I43031142	53.00
4070890	Monroe	15 15 43031127	390I 390I43031147	53.00
4443310	Monroe	15A 15A43041129	ERIE CANAL	53.00
1042170	Yates	230 230 66031035	FINNEGAN CREEK	52.50
1048519	Monroe	PENFIELD ROAD	490I 490I43023006	52.50
1048829	Monroe	SOUTH WINTON ROAD	490I 490I43022065	52.50
1074060	Monroe	RAMP NEW	590I 590I43012004	52.50
3316810	Livingston	CARNEY HOLLOW RD	CARNEY HOLLOW CRK	52.50
3316820	Livingston	POKYMOUNSHINE RD	CARNEY HOLLOW CRK	52.50
3317710	Monroe	NORTON STREET	DENSMORE CREEK	52.50
3335610	Yates	CO.RD 24	BIG GULLY	52.50
3335630	Yates	CR26 CITY HILL RD	HIMROD CREEK	52.50
4443020	Monroe	31F 31F43011048	ERIE CANAL	52.50
4443050	Monroe	AYRAULT ROAD	ERIE CANAL	52.50
4443270	Monroe	31 31 43033046	ERIE CANAL	52.50
1043700	Monroe	261 261 43011077	947A 947A43021145	52.00
1052160	Monroe	CLINTON AVENUE	104 104 43032027	51.75

BIN	County	Carried	Crossed	Asset Vulnerability Score
1052170	Monroe	SENECA AVENUE	104 104 43032029	51.75
1021560	Orleans	31 31 45021239	FALLS ROAD RR	51.50
1048650	Monroe	RAMP D TO 531 WB	490I 490I43021159	51.50
1049789	Monroe	940K 940K43011032	KODAK RAILROAD	51.50
1072360	Monroe	PEDESTRIAN BRIDGE	390 390 43011044	51.50
1073180	Monroe	HAREK ROAD	531 531 43011004	51.50
1074710	Monroe	GILLETT ROAD	531 531 43012041	51.50
1095560	Monroe	RAMP D TO 531 WB	490I 490I43021159	51.50
3368180	Monroe	AIRPORT ACCESS RD	204 X	51.50
4443250	Monroe	31 31 43031000	ERIE CANAL	51.50
1025980	Monroe	HIGHLAND AVENUE	590I 590I43012000	51.25
1070100	Monroe	258 258 42011090	390I 390I42021110	49.75
1011500	Livingston	15 15 42021250	LITTL CONESUS CRK	48.00
1011620	Monroe	15A 15A43041085	90I X	48.00
1021630	Monroe	31 31 43032043	940T 940T43011022	48.00
1021640	Monroe	MONROE AVENUE	490I 490I43022049	48.00
1035240	Monroe	EAST AVENUE	940T 940T43011017	48.00
1046052	Ontario	332 332 44012068	PLASTER MILL ROAD	48.00
1048760	Monroe	ALEXANDER STREET	490I 490I43022040	48.00
1050060	Monroe	NORTH STREET	940T 940T43011011	48.00
1050099	Monroe	ST PAUL STREET	940T 940T43011006	48.00
1050160	Monroe	EAST MAIN STREET	940T 940T43011015	48.00
1069330	Monroe	BRI_HEN TOWN LINE	15A 15A 4304123	48.00
1070040	Monroe	HYLAN DRIVE	390I 390I43031103	48.00
1070790	Monroe	BRIGH/HENR-T L RD	390I 390I43031123	48.00
1070820	Monroe	15A 15A43041112	390I 390I43031115	48.00
1070920	Monroe	CLINTON AVENUE	590I 590I43011004	48.00
2211020	Livingston	RIVER ROAD	BROWNS CREEK	48.00
2211350	Monroe	EAST MAIN STREET	CSX TRANS/AMTRAK	48.00
3316250	Livingston	RIVER ROAD	SALT CREEK	48.00
3316260	Livingston	FEDERAL ROAD	BIDWELLS CREEK	48.00
3316490	Livingston	EAST LAKE ROAD	NORTH MCMILLAN CK	48.00
3318470	Ontario	CANADICE HILL RD	WHETSTONE CREEK	48.00
3369940	Livingston	COUNTY ROAD 7	KESHEQUA CREEK	48.00
4443100	Monroe	SOUTH CLINTON AV	SERVICE ROAD	48.00
5510950	Ontario	BLACKSMITH COR RD	90I X	48.00
5510970	Ontario	KENDALL RD. CR 25	90I X	48.00
1043450	Monroe	153 153 43011155	490I 490I43023038	47.50

BIN	County	Carried	Crossed	Asset Vulnerability Score
1046670	Ontario	364 364 44021078	FALL BROOK	47.50
2257750	Wayne	HOGBACK ROAD	CSX TRANS/AMTRAK	47.50
2257760	Wayne	COUNTY ROAD 344	CSX TRANS/AMTRAK	47.50
3368160	Livingston	STONE ROAD	MILL CREEK	47.50
4437110	Wayne	CLINTON STREET	ERIE CANAL	47.50
4437190	Wayne	MAPLE AVENUE	ERIE CANAL	47.50
4443010	Monroe	LYNDON ROAD	CSX TRANS/AMTRAK	47.50
1025940	Monroe	EDGEWOOD AVE	590I 590I43011021	46.75
1025970	Monroe	ELMWOOD AVENUE	590I 590I43011037	46.75
1052130	Monroe	ST PAUL STREET	104 104 43032025	46.75
1028910	Monroe	64 64 43021063	90I X	43.00
1028970	Monroe	65 65 43031078	90I X	43.00
1050070	Monroe	JOSEPH AVENUE	940T 940T43011008	43.00
1050080	Monroe	N CLINTON AVENUE	940T 940T43011007	43.00
105012B	Monroe	RAMP M00 43153801	RAMPZ TO I490EB	43.00
1050170	Monroe	SCIO STREET	940T 940T43011013	43.00
1062420	Monroe	CHILD STREET	490I 490I43022017	43.00
1069040	Monroe	251 251 43011158	390I 390I43031047	43.00
1069070	Monroe	MARTIN ROAD	390I 390I43031065	43.00
1069080	Monroe	ERIE STATION ROAD	390I 390I43031075	43.00
1070089	Monroe	RAMP TO THRUWAY	390I 390I43031083	43.00
1071130	Livingston	LIMA ROAD	390I 390I42021283	43.00
1071140	Livingston	TRIPHAMER ROAD	390I 390I42021290	43.00
1071160	Livingston	MARSHALL ROAD	390I 390I42021313	43.00
1071170	Livingston	SUTTON ROAD	390I 390I42021320	43.00
1071770	Livingston	CROSSETT ROAD	390I 390I42021208	43.00
1071780	Livingston	GROVELAND ROAD	390I 390I42021218	43.00
1071790	Livingston	LONG POINT ROAD	390I 390I42021230	43.00
1071800	Livingston	RESERVOIR ROAD	390I 390I42021240	43.00
1093870	Monroe	RAMP SE TO 490IEB	490I 490I43022032	43.00
3316180	Livingston	POLE BRIDGE RD	CONESUS OUTLET	43.00
3316190	Livingston	TRIPHAMMER ROAD	CONESUS OUTLET	43.00
3318020	Ontario	PREEMPTION RD CR6	CANANDAIGUA OUTLT	43.00
3318130	Ontario	STEVENS STREET	ROCKY RUN	43.00
3318700	Ontario	COUNTY ROAD 13	SPRING BROOK	43.00
3318750	Ontario	BOUGHTON HILL RD	FISH CREEK	43.00
3370220	Ontario	CR41	Beaver Creek	43.00
4443080	Monroe	EDGEWOOD AVENUE	ERIE CANAL	43.00

BIN	County	Carried	Crossed	Asset Vulnerability Score
5510470	Seneca	CR107 WHISKEY HIL	90I X	43.00
5510600	Monroe	THWY RAMP EXIT 46	90I X	43.00
5510640	Ontario	EXIT 43 RAMP	90I X	43.00
5510870	Monroe	MIDDLE ROAD	90I X	43.00
5510880	Monroe	PINNACLE ROAD	90I X	43.00
5510890	Monroe	W BLOOMFIELD RD	90I X	43.00
5511010	Ontario	EXIT 45 90I	WILLOW ROAD	43.00
1035180	Monroe	RAMP A	490I 490I43023074	42.50
1048860	Monroe	CLOVER STREET	490I 490I43023004	42.50
1048870	Monroe	SOUTH LANDING RD	490I 490I43023011	42.50
1048900	Monroe	ALLEN CRK PED BR.	490I 490I43023016	42.50
1048940	Monroe	GOLF AVE	490I 490I43023042	42.50
1074070	Monroe	RAMP EN	590I 590I43012005	42.50
1074080	Monroe	RAMP NW	490I 490I43022067	42.50
1074090	Monroe	RAMP UAW	EAST AVENUE	42.50
1074120	Monroe	RAMP WS 490I 490I	590 590 43011001	42.50
3316960	Livingston	STONE FALLS ROAD	MILL CREEK	42.50
1063860	Monroe	HOLLENBECK STREET	104 104 43032026	41.75
1070270	Livingston	NORTH AVON ROAD	390I 390I42021352	38.50
1048770	Monroe	AVERILL AVENUE	490I 490I43022041	38.00
1048780	Monroe	MEIGS STREET	490I 490I43022043	38.00
1048810	Monroe	COLBY ST PEDESTRN	490I 490I43022061	38.00
105012A	Monroe	RAMPS LE AND LS	RAMP Z	38.00
1050149	Monroe	BROAD STREET EXT	940T 940T43011018	38.00
1062410	Monroe	COLVIN ST PEDESTR	490I 490I43022016	38.00
1062430	Monroe	SAXTON STREET	490I 490I43022021	38.00
1062440	Monroe	GRAPE STREET	490I 490I43022022	38.00
1063870	Monroe	15 M00 43153B01	490I S00 43153001	38.00
1070320	Monroe	ABAN. E-L RWY.	390I 390I43031153	38.00
1070330	Monroe	U OF R PEDESTRIAN	390I 390I43032000	38.00
1070910	Monroe	EW CONNECTION	390I 390I43031146	38.00
1093850	Monroe	SPRING ST PED OVP	CONN TO RAMP G	38.00
1093880	Monroe	RAMP LE	490I 490I43022037	38.00
1093890	Monroe	RAMP LB FR INN LP	490I 490I43022038	38.00
2211460	Monroe	BROWN STREET	OLD SUBWAY BED	38.00
2211480	Monroe	ALLEN STREET	SUBWAY TUNNEL	38.00
2270060	Monroe	Clay Road	CSX Railroad	38.00
3318340	Ontario	MAPLE AVENUE	GREAT BROOK	38.00

BIN	County	Carried	Crossed	Asset Vulnerability Score
407089A	Monroe	RAMP CH TO I390NB	OPEN AREA	38.00
4443090	Monroe	WINTON ROAD	ERIE CANAL	38.00
5510620	Ontario	EXIT RAMP 45	90I X	38.00
5510630	Ontario	EXIT 44 RAMP	90I X	38.00
5510940	Ontario	FARMINGTON RD CR8	90I X	38.00

Facility Vulnerability Scoring – Emergency Operations Centers

The following table portrays the results of the vulnerability scoring of all emergency operations centers in the Genesee-Finger Lakes Region assessed as part of this study.

Facility	County	Study ID	Asset Vulnerability Score
Monroe County EMO	Monroe	522	197
Orleans County EMO	Orleans	530	161
Genesee County EMO	Genesee	519	155.5
Wyoming County Bureau of Emergency Management	Wyoming	536	151
Seneca County EMO	Seneca	532	151
Yates County EMO	Yates	537	144
Wayne County EMO	Wayne	533	142
Livingston County EMO	Livingston	520	137.5
Ontario County Safety Training Facility	Ontario	527	126

Facility Vulnerability Scoring – Transit Operations Centers

The following table portrays the results of the vulnerability scoring of all transit operations centers in the Genesee-Finger Lakes Region assessed as part of this study.

Facility	County	Study ID	Asset Vulnerability Score
RTS Genesee	Genesee	518	161
Downtown Transit Center	Monroe	526	154
RTS Seneca	Seneca	531	152
RTS Wyoming	Wyoming	535	147.5
RGRTA Lift Line Campus	Monroe	525	141
RTS Orleans	Orleans	529	136
RGRTA East Main Street Campus	Monroe	524	136
RTS Wayne	Wayne	534	129.5
RTS Livingston	Livingston	521	125
RTS Ontario	Ontario	528	116

Facility Vulnerability Scoring – Traffic Operations Centers

The following table portrays the results of the vulnerability scoring of all traffic operations centers in the Genesee-Finger Lakes Region assessed as part of this study.

Facility	County	Study ID	Asset Vulnerability Score
Regional Traffic Operations Center (RTOC)	Monroe	523	225.5

Facility Vulnerability Scoring – NYSDOT Facilities

The following table portrays the results of the vulnerability scoring of all New York State Department of Transportation facilities in the Genesee-Finger Lakes Region assessed as part of this study.

Facility	County	Study ID	Asset Vulnerability Score
Region Office R4	Monroe	31	259
Warsaw	Wyoming	44	213
Region 4 EM	Monroe	32	210.5
Braddock's Bay	Monroe	25	199.5
Leroy	Genesee	19	188.5
Varysburg	Wyoming	43	188.5
Albion	Orleans	38	188
1155 Scottsville R	Monroe	29	186.5
Waterloo	Seneca	39	186
Batavia	Genesee	18	184
North Chili	Monroe	28	184
Region 4 Signal Sh	Monroe	33	182.5
Spencerport	Monroe	26	182
Elm Grove	Monroe	27	182
Lakeville	Livingston	23	181.5
Sodus	Wayne	41	181.5
Webster	Monroe	35	179.5
Rush	Monroe	30	175
Newark	Wayne	40	172.5
Java	Wyoming	42	169
Java Center	Wyoming	42	169
Pittsford BC	Monroe	34	168.5
Canandaigua	Ontario	36	168
Dansville	Livingston	24	165.5

South Bristol	Ontario	37	163.5
Penn Yan	Yates	45	163.5

Facility Vulnerability Scoring – NYSTA Facilities

The following table portrays the results of the vulnerability scoring of all New York State Thruway Authority facilities in the Genesee-Finger Lakes Region assessed as part of this study.

Facility	County	Study ID	Asset Vulnerability Score
NYSTA- Batavia	Genesee	20	222
NYSTA- Henrietta	Monroe	21	204
NYSTA- Manchester	Ontario	22	195

Facility Vulnerability Scoring – NYS Police Facilities

The following table portrays the results of the vulnerability scoring of all New York State police facilities in the Genesee-Finger Lakes Region assessed as part of this study.

Facility	County	Study ID	Asset Vulnerability Score
NYS Police- Batavia	Genesee	1	213
NYS Police- Lyons	Wayne	16	208.5
NYS Police- Rochester	Monroe	5	204
NYS Police- Warsaw	Wyoming	17	190.5
NYS Police- Riga	Monroe	6	186
NYS Police- Leroy	Genesee	2	181.5
NYS Police- Lima	Livingston	3	181.5
NYS Police- Albion	Orleans	10	181.5
NYS Police- Wolcott	Wayne	15	181.5
NYS Police- Williamson	Wayne	14	179.5
NYS Police- Groveland	Livingston	4	177
NYS Police- Waterloo	Seneca	11	177
NYS Police- Penfield	Monroe	7	172.5
NYS Police- Walworth	Wayne	13	170.5
NYS Police- Farmington	Ontario	9	168
NYS Police- Naples	Ontario	8	165.5
NYS Police- Romulus	Seneca	12	163.5

Facility Vulnerability Scoring – Hospitals

The following table portrays the results of the vulnerability scoring of all hospitals in the Genesee-Finger Lakes Region assessed as part of this study.

Facility	County	Study ID	Asset Vulnerability Score
University of Rochester Medical Center	Monroe	504	180
Strong Memorial Hospital	Monroe	505	175.5
Medina Memorial Hospital	Orleans	513	172
Clifton Springs Hospital	Ontario	511	162.5
Wyoming County Community Hospital	Wyoming	516	160
Unity Health Hospital	Monroe	508	159
Highland Hospital	Monroe	506	146
Rochester General Hospital	Monroe	507	143.5
U.S. Veteran's Hospital	Genesee	501	140.5
United Memorial Hospital	Genesee	502	140.5
Newark-Wayne Community Hospital	Wayne	515	140
Geneva General Hospital	Seneca	514	135.5
Nicholas H Noyes Memorial Hospital	Livingston	503	135
SS Memorial Hospital	Yates	517	133
Geneva General Hospital	Ontario	512	126.5
U.S. Veteran's Hospital	Ontario	510	122.5
FF Thompson Hospital	Ontario	509	122.5

Facility Vulnerability Scoring – Highway Garages

The following table portrays the results of the vulnerability scoring of all highway garage facilities in the Genesee-Finger Lakes Region assessed as part of this study.

Facility	County	Study ID	Asset Vulnerability Score
Town of Alexander	Genesee	342	227
Genesee County	Genesee	329	219.5
Monroe County Fleet Center	Monroe	370	219.5
Ontario County- Canandaigua	Ontario	397	210.5

Facility	County	Study ID	Asset Vulnerability Score
Town of Attica	Wyoming	464	199
Village of Warsaw	Wyoming	470	196.5
Wyoming County	Wyoming	462	194.5
City of Rochester	Monroe	378	194.5
Town of Perinton	Monroe	391	193.5
Town of Pike	Wyoming	479	192.5
City of Rochester	Monroe	378	192.5
Town of Pike	Wyoming	479	192
Town of Batavia	Genesee	345	191
Town of Gates	Monroe	379	191
Town of Murray	Orleans	423	191
Orleans County	Orleans	417	190.5
Wayne County- Arcadia	Wayne	441	190
Wayne County- Sodus	Wayne	442	190
City of Rochester	Monroe	378	188
City of Rochester	Monroe	378	188
Town of Middlebury	Wyoming	466	187
Town of Huron	Wayne	448	186.5
Town of Brighton	Monroe	386	184.5
Town of Eagle	Wyoming	480	184
Town of Wethersfield	Wyoming	475	182
Village of Wyoming	Wyoming	467	180
Town of Arcade	Wyoming	481	180
Wayne County- Macedon	Wayne	439	179
Town of Richmond	Ontario	410	177.5
Town/ Village of Lyons	Wayne	456	177.5
Wayne County- Savannah	Wayne	441	177
Livingston County	Livingston	346	176.5
Town of Warsaw	Wyoming	471	175.5
Livingston County- Conesus	Livingston	347	174.5
Town of Webster	Monroe	395	173.5
Town of Penfield	Monroe	392	173.5
Town of Middlesex	Yates	489	173
Ontario County- Geneva	Ontario	398	172.5
Seneca County	Seneca	425	172
Town of Byron	Genesee	334	170.5
Town of Phelps	Ontario	406	169
Yates County	Yates	487	168

Facility	County	Study ID	Asset Vulnerability Score
Town of Alabama	Genesee	331	166
Town of Genesee Falls	Wyoming	483	166
NYS DOT and Village of Penn Yan	Yates	499	165
Town of Bergen	Genesee	335	164.5
Town of Elba	Genesee	333	164
Town of Ridgeway	Orleans	416	164
Village of Attica	Wyoming	465	164
Village of Sodus Point	Wayne	461	163.5
Town of Pavilion	Genesee	344	162
Town of Clarkson	Monroe	371	162
Town of Ontario	Wayne	443	161.5
Village of Manchester	Ontario	402	159
Town of Pembroke	Genesee	337	157
Town of Darien	Genesee	341	157
Town of Bethany	Genesee	343	157
Town of Hamlin	Monroe	373	157
Town of Rush	Monroe	384	157
Town of Kendall	Orleans	415	157
Town of Yates	Orleans	418	157
Town of Bennington	Wyoming	463	157
City of Canandaigua	Ontario	405	156.5
Town of Oakfield	Genesee	332	155
Town of Sweden	Monroe	372	155
Town of Greece	Monroe	377	155
Town of Riga	Monroe	380	155
Town of Chili	Monroe	381	155
Town of Wheatland	Monroe	382	155
Town of Henrietta	Monroe	383	155
Town of Carlton	Orleans	420	155
Town of Gaines	Orleans	421	155
Town of Clarendon	Orleans	424	155
Town of Ogden	Monroe	375	153
Town of Seneca Falls	Seneca	430	153
Village of Fairport	Monroe	393	152.5
Town of Walworth	Wayne	444	152.5
Town of Williamson	Wayne	457	152.5
Town of Orangeville	Wyoming	472	152.5
Town of Sheldon	Wyoming	473	152.5

Facility	County	Study ID	Asset Vulnerability Score
Town of Italy	Yates	491	152.5
Town of Gainesville	Wyoming	476	151
Town of Castile	Wyoming	478	151
Village of East Rochester	Monroe	390	150.5
Town of Wolcott	Wayne	449	150.5
Town of Butler	Wayne	451	150.5
Village of Palmyra	Wayne	453	150.5
Town of Leroy	Genesee	340	148.5
Town of Covington	Wyoming	484	148.5
Town of Caledonia	Livingston	248	148
Town of Mendon	Monroe	388	148
Village of Clifton Springs	Ontario	403	148
Town of Java	Wyoming	474	148
Town of Sodus	Wayne	445	146.5
Town of Sparta	Livingston	361	146
Town of Irondequoit	Monroe	394	146
Town of Potter	Yates	490	146
Town of Stafford	Genesee	338	144
Village of Nunda	Livingston	363	144
Village of Phelps	Ontario	407	144
Town of Perry	Wyoming	468	144
Village of Medina	Orleans	419	143.5
Town of Covert	Seneca	438	143.5
Town of Marion	Wayne	447	143.5
Town of Rose	Wayne	458	143.5
Village of Rushville	Yates	488	143.5
Town of Jerusalem	Yates	492	143.5
Town of Nunda	Livingston	343	142
Town of Waterloo	Seneca	428	142
Town of Springwater	Livingston	360	141.5
Town of West Bloomfield	Ontario	404	141.5
Town of Macedon	Wayne	452	141.5
Town of Arcadia	Wayne	454	141.5
Village of Dundee	Yates	498	141.5
Town of Penfield	Monroe	392	141.5
Town of Galen	Wayne	459	141.5
Village of Bergen	Genesee	336	139.5
Town of Pittsford	Monroe	389	139.5

Facility	County	Study ID	Asset Vulnerability Score
Village of Naples	Ontario	414	139.5
Town of York	Livingston	349	139
Village of Geneseo	Livingston	353	139
Village of Scottsville	Monroe	385	139
Town of Junius	Seneca	426	139
Town of Tyre	Seneca	427	139
Town of Savannah	Wayne	455	137.5
Town of Avon	Livingston	352	137
Town of Geneseo	Livingston	356	137
Town of Portage	Livingston	364	137
Town of Ossian	Livingston	365	137
Town of Leicester	Livingston	367	137
Village of Brockport	Monroe	374	137
Village of Spencerport	Monroe	376	137
Town of Farmington	Ontario	401	137
Town of Canadice	Ontario	412	137
Town of Conesus	Livingston	359	135
Town of Geneva	Ontario	408	135
Town of Seneca Falls	Seneca	430	135
Town of South Bristol	Ontario	411	134.5
Town of Lima	Livingston	351	133
Town of Livonia	Livingston	355	133
Town of Mount Morris	Livingston	357	133
Town of Victor	Ontario	399	133
Town of Gorham	Ontario	409	132.5
Town of Fayette	Seneca	431	132.5
Town of Varick	Seneca	432	132.5
Town of Milo	Yates	495	132.5
Town of Barrington	Yates	496	132.5
Town of Romulus	Seneca	433	130.5
Town of Ovid	Seneca	434	130.5
Town of Starkey	Yates	497	130.5
Town of Naples	Ontario	343	128.5
Town of Lodi	Seneca	436	128.5
Town of Torrey	Yates	493	128.5
Town of Benton	Yates	500	128.5
Village of Perry	Wyoming	469	128
Village of Arcade	Wyoming	482	128

Facility	County	Study ID	Asset Vulnerability Score
Village of Mount Morris	Livingston	358	126
Village of Albion	Orleans	422	126
Village of Waterloo	Seneca	429	126
Village of Castile	Wyoming	477	126
Village of Gainesville	Wyoming	486	126
Village of Wolcott	Wayne	450	125.5
Village of Red Creek	Wayne	460	125.5
Village of Leroy	Genesee	339	123.5
Village of Webster	Monroe	396	123.5
Village of Sodus	Wayne	446	121.5
Village of Silver Springs	Wyoming	485	121
Village of Pittsford	Monroe	387	114.5
Village of Victor	Ontario	343	108
Village of Lima	Livingston	350	108
Village of Livonia	Livingston	354	108
Village of Dansville	Livingston	366	105.5
Village of Ovid	Seneca	435	105.5
Village of Lodi	Seneca	437	103.5
Village of Dresden	Yates	494	103.5

Facility Vulnerability Scoring – Police & Fire

The following table portrays the results of the vulnerability scoring of all police and fire facilities in the Genesee-Finger Lakes Region assessed as part of this study.

Facility	County	Study ID	Asset Vulnerability Score
Monroe County Sheriff	Monroe	94	206.5
City of Batavia Fire Department	Genesee	59	204.5
Yates County Sheriff	Yates	318	204
Genesee County Sheriff	Genesee	46	203.5
Wyoming County Sheriff's Office	Wyoming	291	201
Monroe County Sheriff	Monroe	93	197.5
West Brighton Fire Department	Monroe	125	194.5
Wyoming Hook and Ladder	Wyoming	296	194
Monroe County Sheriff	Monroe	91	193
Chili Fire Department	Monroe	123	192.5
Orleans County Sheriff	Orleans	226	192.5
Livingston County Sheriff	Livingston	68	192
Wyoming County Sheriff	Wyoming	292	192
Attica Fire Department	Wyoming	314	192
Bliss Fire Department	Wyoming	305	189.5
Pike Volunteer Fire Company	Wyoming	306	189.5
Village of Arcade Police	Wyoming	304	188
City of Batavia Police	Genesee	60	187.5
Wayne County Sheriff	Wayne	256	185
Village of Perry Police	Wyoming	312	184
City of Rochester Police	Monroe	96	183.5
City of Rochester Police	Monroe	97	183.5
City of Rochester Police	Monroe	98	183.5
East Pembroke Fire Department	Genesee	67	180.5
Airport CFR	Monroe	171	180
Pembroke Volunteer Fire	Genesee	50	178.5
Alexander Fire Department	Genesee	52	178.5
Corfu Fire Department	Genesee	66	178.5
Ridgeway Volunteer Fire	Orleans	228	178.5
Ridge Road Fire Department	Monroe	130	176.5
Lake Shore Fire Department	Monroe	137	176.5
Lake Shore Fire Department	Monroe	139	176.5
Seneca County Sheriff	Seneca	239	176
Varysburg Fire Department	Wyoming	299	176

Facility	County	Study ID	Asset Vulnerability Score
Ontario Fire Company	Wayne	286	174
Ontario County Sheriff	Ontario	190	172.5
Sodus Center Fire Hall	Wayne	266	172
Village of Warsaw Police	Wyoming	311	170.5
Lyndonville Fire Department	Orleans	227	169.5
Henrietta Fire Department	Monroe	116	167.5
Perry Fire Department	Wyoming	315	167.5
Macedon Fire Department	Wayne	281	163
Monroe Correctional Facility	Monroe	95	158.5
Manchester Fire District	Ontario	197	158.5
Keuka Park Fire Department	Yates	326	158
Dundee Fire Department	Yates	328	158
Monroe County Sheriff	Monroe	92	157
Livonia Joint Fire District	Livingston	76	156
Bristol Volunteer Fire	Ontario	224	156
Sodus Point Fire District	Wayne	273	156
Potter Volunteer Fire Department	Yates	319	156
Village of Wolcott Police	Wayne	275	154.5
Sodus Police Department	Wayne	290	154.5
Village of Attica Police	Wyoming	295	154.5
South Byron Fire Company	Genesee	64	154
Brighton Fire Department	Monroe	168	154
Carlton Fire Company	Orleans	233	153.5
Carlton Fire Company	Orleans	234	153.5
Village of Albion Police	Orleans	235	153
Town of Alabama Fire	Genesee	47	151.5
Indian Falls Fire Department	Genesee	49	151.5
Community Fire Company of	Genesee	54	151.5
Village of Elba Fire Department	Genesee	61	151.5
Scottsville Fire Department	Monroe	112	151.5
Village of Mount Morris Police	Livingston	81	150.5
Spencerport Fire Department	Monroe	106	149.5
Mumford Fire Department	Monroe	111	149.5
Gates-Chili Fire Department	Monroe	128	149.5
Lyons Fire Department	Wayne	287	149
Warsaw Fire Department	Wyoming	317	149
Himrod Fire District	Yates	327	149
Village of Caledonia Police	Livingston	69	148.5
Village of Phelps Police	Ontario	208	148

Facility	County	Study ID	Asset Vulnerability Score
City of Geneva Police	Ontario	214	148
Henrietta Fire Department	Monroe	115	147.5
Bergen Fire Department	Genesee	65	147
Honeoye Falls Fire Department	Monroe	166	147
Shelby Volunteer Fire Company	Orleans	230	147
Shelby Volunteer Fire Company	Orleans	231	147
East Shelby Volunteer Company	Orleans	232	147
Rushville Fire Department	Yates	320	147
Byron Fire Department	Genesee	63	145
Sea Breeze Fire Department	Monroe	144	145
Rochester Fire Department	Monroe	174	145
Bethany Volunteer Fire Company	Genesee	53	144.5
Barre Fire Company	Orleans	236	144.5
FMH Volunteer Fire Company	Orleans	238	144.5
Arcade Fire Department	Wyoming	313	144.5
Village of Palmyra Police	Wayne	268	143.5
Macedon Police Department	Wayne	282	143.5
Town of Alabama Fire	Genesee	48	142.5
Darien Center Chemical Fire	Genesee	51	142.5
Stafford Fire Department	Genesee	56	142.5
Oakfield Fire Department	Genesee	62	142.5
Hamlin Fire Department	Monroe	100	142.5
Walker Fire Department	Monroe	101	142.5
Hilton Fire Department	Monroe	102	142.5
Churchville Fire Department	Monroe	109	142.5
Clifton Fire Department	Monroe	110	142.5
Rush Fire Department	Monroe	114	142.5
Chili Fire Department	Monroe	121	142.5
Brockport Fire Department	Monroe	225	142.5
Ridgeway Volunteer Fire	Orleans	229	142.5
Village of Geneseo Police	Livingston	78	141.5
Town of Batavia Fire Department	Genesee	57	140.5
Town of Batavia Fire Department	Genesee	58	140.5
Morton Fire Department	Monroe	99	140.5
Brockport Fire Department	Monroe	103	140.5
Brockport Fire Department	Monroe	104	140.5
Brockport Fire Department	Monroe	105	140.5
Spencerport Fire Department	Monroe	107	140.5
Spencerport Fire Department	Monroe	108	140.5

Facility	County	Study ID	Asset Vulnerability Score
Henrietta Fire Department	Monroe	119	140.5
Chili Fire Department	Monroe	122	140.5
Chili Fire Department	Monroe	124	140.5
Gates-Chili Fire Department	Monroe	127	140.5
Gates-Chili Fire Department	Monroe	129	140.5
Ridge Road Fire Department	Monroe	131	140.5
Ridge Road Fire Department	Monroe	132	140.5
Barnard Fire Department	Monroe	133	140.5
North Greece Fire Department	Monroe	134	140.5
North Greece Fire Department	Monroe	135	140.5
Lake Shore Fire Department	Monroe	138	140.5
Kodak Fire Department	Monroe	188	140.5
Kendall Fire Department	Orleans	237	140.5
Rochester Fire Department	Monroe	172	140.5
West Sparta Volunteer Fire	Livingston	83	140
Clyde Fire Department	Wayne	280	140
Red Creek Fire Department	Wayne	284	140
Village of Naples Police	Ontario	223	138.5
Leroy Fire District	Genesee	55	138
Sparta Center Fire Department	Livingston	84	138
West Webster Fire Department	Monroe	146	138
Webster Fire Department	Monroe	150	138
Union Hill Fire Department	Wayne	257	138
Williamson Fire District	Wayne	259	138
Lincoln Fire Department	Wayne	261	138
East Palmyra Fire Department	Wayne	269	138
North Rose Fire District	Wayne	276	138
Wolcott Fire Department	Wayne	283	138
Sodus Fire Department	Wayne	289	138
Cowlesville Fire Company	Wyoming	293	138
Bennington Fire Department	Wyoming	294	138
Harris Corners Fire Company	Wyoming	297	138
Sheldon Fire Company	Wyoming	298	138
Strykersville Fire Company	Wyoming	300	138
North Java Fire District	Wyoming	301	138
Village of Penn Yan Police	Yates	324	137.5
Genesee Valley EMS	Livingston	70	137
Village of Clifton Springs Police	Ontario	196	137
Village of Waterloo Police	Seneca	245	137

Facility	County	Study ID	Asset Vulnerability Score
Seneca Falls Police Department	Seneca	247	137
Interlaken Police Department	Seneca	255	136.5
Cuylerville Fire Department	Livingston	79	136
West Brighton Fire Department	Monroe	126	136
North Greece Fire Department	Monroe	136	136
West Webster Fire Department	Monroe	147	136
West Webster Fire Department	Monroe	148	136
Xerox Fire Department	Monroe	149	136
Webster Fire Department	Monroe	151	136
Brighton Fire Department	Monroe	167	136
Rochester Fire Department	Monroe	173	136
Rochester Fire Department	Monroe	175	136
Rochester Fire Department	Monroe	176	136
Rochester Fire Department	Monroe	177	136
Rochester Fire Department	Monroe	178	136
Rochester Fire Department	Monroe	181	136
Rochester Fire Department	Monroe	184	136
Rochester Fire Department	Monroe	186	136
Rochester Fire Department	Monroe	187	136
Wallington Fire Department Inc.	Wayne	265	136
Alton Fire District	Wayne	274	136
Richmond Fire Department	Ontario	221	135.5
Rochester Fire Department	Monroe	179	134
Rochester Fire Department	Monroe	180	134
Rochester Fire Department	Monroe	183	134
Rochester Fire Department	Monroe	185	134
Kodak Fire Department	Monroe	189	134
Rush Fire Department	Monroe	113	133.5
Henrietta Fire Department	Monroe	117	133.5
Union Hill Fire Department	Monroe	152	133.5
Pultneyville Volunteer Fire	Wayne	258	133.5
North Java Fire District	Wyoming	302	133.5
Strykersville Fire Company	Wyoming	303	133.5
Gainesville Fire Company	Wyoming	308	133.5
Castile Fire Department	Wyoming	309	133.5
Silver Springs Fire Department	Wyoming	310	133.5
City of Canandaigua Police	Ontario	201	133
Henrietta Fire Department	Monroe	118	131.5
Henrietta Fire Department	Monroe	120	131.5

Facility	County	Study ID	Asset Vulnerability Score
St. Paul Fire Department	Monroe	140	131.5
St. Paul Fire Department	Monroe	141	131.5
Point Pleasant Fire Department	Monroe	142	131.5
Point Pleasant Fire Department	Monroe	143	131.5
Ridge-Culver Fire Department	Monroe	145	131.5
Pittsford Fire Department	Monroe	157	131.5
Mendon Fire Department	Monroe	165	131.5
Laurelton Fire Department	Monroe	170	131.5
Rochester Fire Department	Monroe	172	131.5
Rochester Fire Department	Monroe	182	131.5
Shortsville Fire District	Ontario	198	131.5
Border City Hose Company	Seneca	244	131.5
North Seneca Ambulance	Seneca	246	131.5
Perry Center Fire Department	Wyoming	316	131.5
York Volunteer Fire Department	Livingston	75	131
Nunda Fire Department	Livingston	86	131
Romulus Volunteer Fire	Seneca	251	131
Fairville Volunteer Fire	Wayne	270	131
Hydrant Hose Company	Ontario	213	129.5
Lima Fire Department	Livingston	71	129
Avon Fire District	Livingston	72	129
Avon Rotary- Lions Ambulance	Livingston	73	129
Lakeville Fire Department	Livingston	74	129
Hemlock Volunteer Fire	Livingston	77	129
Conesus Fire Department	Livingston	82	129
Springwater Fire Department	Livingston	85	129
Ionia Volunteer Fire Department	Ontario	199	129
Gorham Fire Commission	Ontario	218	129
Fayette Volunteer Fire	Seneca	249	129
West Walworth Fire Department	Wayne	262	129
Walworth Fire District No. 1	Wayne	263	129
Marion Fire Department	Wayne	264	129
Newark Hose Company	Wayne	271	129
Marbletown Fire Department	Wayne	272	129
Rose Fire Department	Wayne	277	129
South Butler Fire District	Wayne	278	129
Savannah Fire Company Inc.	Wayne	279	129
Palmyra Fire Department	Wayne	288	129
Penn Yan Fire Department	Yates	325	129

Facility	County	Study ID	Asset Vulnerability Score
Village of Leicester Fire	Livingston	80	127
Penfield Fire Department	Monroe	153	127
Penfield Fire Department	Monroe	154	127
Penfield Fire Department	Monroe	155	127
East Rochester Fire Department	Monroe	156	127
Pittsford Fire Department	Monroe	158	127
Bushnell's Basin Fire Department	Monroe	161	127
Egypt Fire Department	Monroe	164	127
Brighton Fire Department	Monroe	169	127
Macedon Center Fire Department	Wayne	267	127
South Macedon Fire Department	Wayne	285	127
Sen. Castle Fire District	Ontario	205	126.5
Fairport Fire Department	Monroe	159	125
Fairport Fire Department	Monroe	160	125
Bushnell's Basin Fire Department	Monroe	162	125
Egypt Fire Department	Monroe	163	125
Farmington Fire Department	Ontario	193	124.5
Farmington Fire Department	Ontario	194	124.5
Fort Gibson Fire Department	Ontario	195	124.5
East Bloomfield-Holcomb Fire	Ontario	200	124.5
City of Canandaigua Fire District	Ontario	202	124.5
Hopewell Volunteer Fire	Ontario	203	124.5
Hopewell Volunteer Fire	Ontario	204	124.5
Victor Fire Department	Ontario	206	124.5
Phelps Fire Department	Ontario	209	124.5
Oaks Corners Volunteer Fire	Ontario	210	124.5
Junius Fire Department	Seneca	240	124.5
Magee Volunteer Fire	Seneca	241	124.5
Junius Volunteer Fire Department	Seneca	242	124.5
Magee Volunteer Fire	Seneca	243	124.5
Fishers Fire District	Ontario	191	122.5
Fishers Fire District	Ontario	192	122.5
Northside Fire District	Ontario	211	122.5
White Springs Fire Association	Ontario	212	122.5
Naples Fire District	Ontario	222	122
Varick Volunteer Fire Company	Seneca	250	122
Lodi Volunteer Fire Company	Seneca	253	122
Interlaken Fire Department	Seneca	254	122
Jackson Hose Company	Livingston	87	120.5

Facility	County	Study ID	Asset Vulnerability Score
Union Hose Company of Dansville	Livingston	88	120.5
Dansville Ambulance	Livingston	89	120.5
Dansville Fire Department	Livingston	90	120.5
Hydrant Hose Company	Ontario	213	120.5
Bristol Fire Department	Ontario	207	120
Stanley Fire District	Ontario	216	120
Hall Fire District	Ontario	217	120
Crystal Beach Fire Company	Ontario	219	120
Cheshire Volunteer Fire Company	Ontario	220	120
Canoga Volunteer Fire	Seneca	248	120
South Seneca Ambulance	Seneca	252	120
Benton Fire Department	Yates	321	120
West Lake Road Fire District	Ontario	215	118
Bellona Fire Department	Yates	322	118
PY Ambulance	Yates	323	116
Hydrant Hose Company	Ontario	213	102.5