

Western Massachusetts Regional Evacuation Plan

Prepared for:



Western Massachusetts Regional Evacuation Plan

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INTRODUCTION

Purpose

The purpose of the Western Massachusetts Evacuation Plan is to provide emergency responders on the local, state, and federal levels with the resources necessary for conducting a regional evacuation in as efficient and effective a manner as possible. The plan provides maps and lists of evacuation routes, population centers, infrastructure, and other critical assets. Contact information for municipal and state officials, as well as major employers, schools, and hospitals is also provided.

The plan was completed in conjunction with other emergency plans that have been developed or are currently being developed for western Massachusetts, including a regional sheltering plan and regional communications plan. Data and recommendations from these plans has been integrated into this plan and referenced as needed.

Study Area

This plan serves as a resource for conducting a regional evacuation in western Massachusetts, and pertains to the counties of Berkshire County, Franklin County, Hampshire County, and Hampden County. Contact information for municipalities in Worcester County that border Franklin County, Hampshire County, and Hampden County is also provided, as these towns and cities would potentially be active in any evacuation from western Massachusetts. Information for state resources applicable to the region is also provided.

Future evacuation planning work will involve collaboration with other portions of Massachusetts and surrounding states to ensure coordination and consistency in regional evacuation efforts (see recommendations section).

Acknowledgements

The Western Massachusetts Evacuation Plan was funded and developed by the Western Region Homeland Security Advisory Council (WRHSAC), with the assistance of the regional planning authorities of Berkshire Regional Planning Commission, the Franklin Regional Council of Governments, and Pioneer Valley Planning Commission.

The WRHSAC and RPAs would like to thank the many emergency officials who assisted in developing this plan, including REPC's, LEPC's, and municipal and state officials.

Planning Assumptions

This plan is based on the following assumptions:

- **Identified Evacuation Scenarios** – This plan is based on evacuation scenarios including:
 - River flooding
 - Dam failure
 - Chemical spill
 - Hurricane

When an unforeseen evacuation scenario occurs, this plan will be modified and adopted as necessary.

- **Voluntary Evacuation** – Since Massachusetts does not have a mandatory evacuation law, citizen compliance is completely voluntary. Citizens who ignore the evacuation will potentially be without safety, fire, and medical services for a period of time.
- **Modes of Transportation** – Most citizens will evacuate using their own vehicles. People without private vehicles will be evacuated primarily with the assistance of friends and neighbors. Public transit systems in western Massachusetts such as the Pioneer Valley Transit Authority, as well as private bus companies such as Peter Pan, will provide transportation services as possible. However, it is important to note that during a large emergency in which many people must be transported, these companies will not have an adequate vehicle stock. Many of the private organizations listed in this plan rely on the same transportation resources, and there are not enough vehicles to accommodate all of these organizations' needs concurrently. When local transportation resources are stretched, outside resources, from other states or from other portions of Massachusetts, will need to be called upon.
- **Traffic Flow** – Due to the heavy use of primary evacuation routes, roads will be congested even in ideal weather conditions. Emergency planners should take this into account when considering the time it will take to conduct an evacuation.
- **Institutional Evacuation Plans** – Many private and public institutions, including colleges and universities, hospitals, and private businesses have their own evacuation plans and resources to the maximum extent possible. Public entities in charge of the regional evacuation will assist these institutions, though these institutions should not rely on public resources alone to carry out the evacuation.
- **Regulatory Requirements** – Regional evacuations will occur in conformance to this plan and the following state and federal emergency planning legislation and standards:
 - National Incident Management System (NIMS)
 - Pets Evacuation and Standards Act of 2006
 - Americans with Disabilities Act of 1990

BERKSHIRE COUNTY RESOURCES

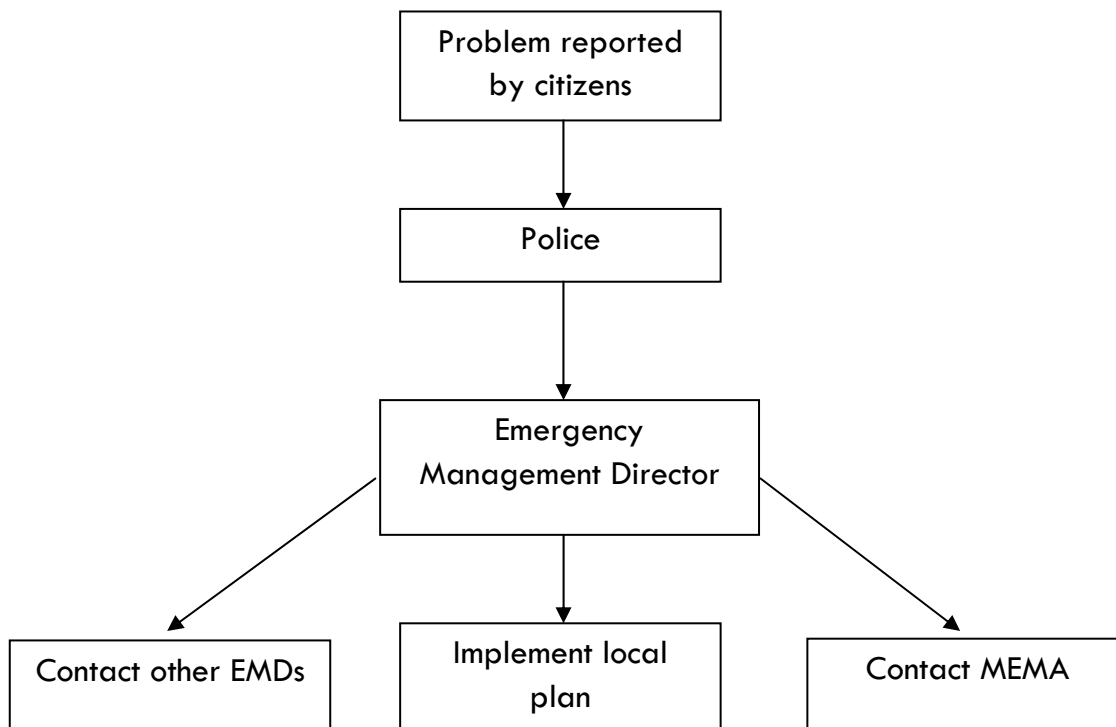
Initiating the Evacuation

Chain of Command

If the emergency is declared by MEMA or FEMA, the procedure for chain of command will follow a top-down approach. In this case, MEMA will be responsible for contacting individual EMDs, who will then take the necessary steps to respond to the disaster in their respective communities.

If the disaster or emergency situation is reported by a local community or citizen, the chain of command will follow a bottom-up reporting approach. In this case, the following flow chart describes the contact procedures that will be followed.

1. Problem is reported by citizen to police
2. Police take necessary initial steps in response to disaster and contact emergency management director
3. Emergency management director takes necessary steps and contacts EMDs in surrounding towns, implements local emergency plan, and contacts MEMA



Municipal Contact Information

Towns	EMD Contact	EMD Phone	Police Contact	Police Phone	Fire Contact	Fire Phone
Adams	Richard Kleiner	413-743-5709	Donald Poirot	413-743-1212	Paul Goyette	413-743-1929
Alford	Edward McCormick	413-528-0630	Richard Robarge	413-528-6327	Stephen Berkel	413-528-3641
Becket	Timothy Sullivan	413-446-8678	Kristopher McDonough	413-623-6010	Ray Tarjick	413-623-6480
Cheshire	Fred Balawender	413-743-5674	Timothy Garner	413-743-1501	Thomas Francesconi	413-743-3387
Clarksburg	Thomas Webb	413-663-8250	Mike Williams	413-663-7795	Caryle Chesbro	413-663-5761
Dalton	Ted White	413-684-0020	Jeff Coe	413-684-0300	Gerry Calahan	413-684-0500
Egremont	Edward McCormick	413-528-0630	Reena Bucknell	413-528-2160	Bill Turner	413-528-1625
Florida	Christine Dobbert	413-662-2448	David Burdick	413-662-2448	Michael Bedini	413-664-9233
Great Barrington	William Walsh	413-528-0306	William Walsh	413-528-0306	Charles Burger	413-528-0788
Hancock	Stephen Traver	413-531-8837	Sherman Derby	413-458-5492	David Rash	413-738-5225
Hinsdale	Ray Bolduc	413-684-0500	Todd Faulkner	413-655-0201	Larry Turner	413-655-2533
Lanesborough	Charles Garrity	413-625-8200	Mark Bashara	413-433-4107	Charles Durfee	413-443-2321
Lee	Ronald Glidden	413-243-5530	Joseph Buffis	413-243-5530	Alan Sparks	413-243-2100
Lenox	Dan Clifford	413-637-2347	Stephen O'Brien	413-637-2346	Dan Clifford	413-637-2347
Monterey	Gareth Backhaus	413-528-1443	Gareth Backhaus	413-528-3211	Shawn Tryon	413-528-3136
Mount Washington	Brian Tobin	413-528-3204	Brian Tobin	413-528-3204	Charles Fugate	413-528-0788
New Ashford	Chuck Morrone	413-458-5461	Richard Clairmont	413-458-3664	Philip Rancourt	413-458-5401
New Marlborough	Barbara Marchione	413-229-8032	Scott Farrell	413-229-8100	Peter Scala	413-229-8100
North Adams	John Morocco	413-662-3102	Michael Cozzaglio	413-664-4944	Steve Meranti	413-664-4922
Otis	Roberta Sarnacki	413-269-0100	Roberta Sarnacki	413-269-0100	Sandy Pinkham	413-269-4409
Peru	Mark Hoag	413-655-0220	Scott Vega	413-655-8377	Eric Autenreith	413-655-8811
Pittsfield	Robert Czerwinski	413-448-9765	Michael Wynn	413-448-9717	Robert Czerwinski	413-448-9765
Richmond	Thomas Grizey	413-442-3693	William Bullett	413-499-7357	Paul Sintoni	413-698-3366
Sandisfield	John Burrows	413-258-4943	Mike Morrison	413-258-4742	Ralph Morrison	413-258-4742
Savoy	Lawrence Ordyna	413-743-3846	Stephen Deane	413-743-0364	Lawrence Ordyna	413-743-9119
Sheffield	James McGarry	413-229-8522	Eric Munson	413-229-8522	Richard Boardman	413-229-7033
Stockbridge	Charles Marsden	413-298-4170	Richard Wilcox	413-298-4179	Chuck Cardillo	413-717-0666
Tyringham	James Curtin	413-243-0048	Peter Curtin	413-243-1749	James Curtin	413-243-3238
Washington	Paul Mikaniewicz	413-448-7320	Victor Breen	413-623-5111	Paul Mikaniewicz	413-655-2533
West Stockbridge	Louis Oggiani	413-528-2175	Thomas Rubino	413-232-8500	Peter Skorput	413-232-7853
Williamstown	Peter Fohlin	413-458-3500	Kyle Johnson	413-458-5733	Craig Pedercini	413-458-8113
Windsor	Peter Pyskaty	413-684-0300	Peter Pyskaty	413-684-0300	Michael Tirrell	413-684-0838

Other Entities to Contact

Each town during an evacuation should be in contact with the towns neighboring it, to ensure that they are aware that an evacuation is occurring and that residents will be passing through those towns.

Towns should identify the emergency management officials for this communication. Contact information can be found below.

Surrounding Municipalities

Town	County	EMD Contact	EMD Phone	Police Contact	Police Phone	Fire Contact	Fire Phone
Blandford	Hampden	Tom Ackley Brad Curry, Highway Superintendent	413-848-2479 (Tom Ackley) 413-848-2721 (Brad Curry)	Kevin M. Hennessey	chiefhennessey@ townofblandford.com 413-442-0512	Tom Ackley	firechief@ townofblandford.com 413-848-2479
Charlemont	Franklin	Michael Walsh	413-625-6272	Jared Bellows	413-625-8200	Kenneth Hall	413-625-8200
Chester	Hampden	Richard Small	413-354-6558 413-354-6543 (home #)	Dan Illicky	chesterpd@ comcast.net 413-354-7822	Richard Small	413-354-6558 chiefrichsmall@msn.com
Cummington	Hampshire	Bernard L. Forgea, Director	413-634-5458 413-634-0333 (home #)	Dennis Forgea	413 634-0056	Bernard L. Forgea	413-634-5458
Hawley	Franklin	Gregory Cox	413-339-5526	Stephen Deane	413-339-5518	Gregory Cox	413-339-4267
Middlefield	Hampshire	Robert Hoynowski	413-623-2079 Town offices	Thomas Austin	413-354-0776	Larry Pease Ron Radwich	413-623-5060
Monroe	Franklin	David Nash	413-663-1112	David Nash	413-424-5272	Larry Thoresen	413-424-5272
Plainfield	Hampshire	Dennis Thatcher	413-634-5582	Edward Morann	413-634-0139	Dennis Thatcher	413-634-5582
Rowe	Franklin	Edwin May	413-339-4001	Henry J. Dandeneau	413-339-5520 x17	Paul McLatchy Jr.	413-339-4001
Tolland	Hampden	Eric Munson	413-258-4948	Eric Munson	413-258-4948	Michael Sullivan	413-258-2859
Worthington	Hampshire	Kathy Baker	413-238-5577 (town hall)	Jeffrey Johnson	413-238-0400	Richard Granger	413-238-4445

MassDOT District Offices

The following are the district contacts for MassDOT in western Massachusetts. These contacts are not involved in an emergency response unless specifically requested by a municipality or MEMA, and should be contacted during an evacuation.

Office	Address	Town	Phone
MassDOT District 1	270 Main St.	Lenox	413-637-5700
MassDOT District 2	811 North King St.	Northampton	413-582-0599

State Police Contact Info

Office	Address	Town	Phone
Mass State Police Barracks	32 Main Street	Lee	413-743-4700
Mass State Police Barracks	Route 8	Cheshire	413-743-4700

MEMA Contact Info

The following are the MEMA contacts for western Massachusetts.

Office	Address	Town	Phone
MEMA Region 3 & 4	1002 Suffield St.	Agawam	413-750-1400

Out of State

Berkshire County borders three other states. Below the appropriate contact information can be found.

Vermont			
Alerting Vermont Emergency Management	Request Activation of state resources & agencies	800-347-0488	802-244-8721

New York			
Albany County Emergency Management Planning	Critical Incident Emergency Management Unit	518-720-8025	518-858-3569

Connecticut			
Connecticut Department of Emergency Services and Public Protection	Division of Emergency Management and Homeland Security	203-591-3509	860-250-2535

It is also important to contact other counties so that they are aware of what is going on. Because there is no county government in Western Massachusetts, the contact information for these counties can be found below.

Municipal Evacuation Routes

Evacuation routes for individual municipalities are described below.

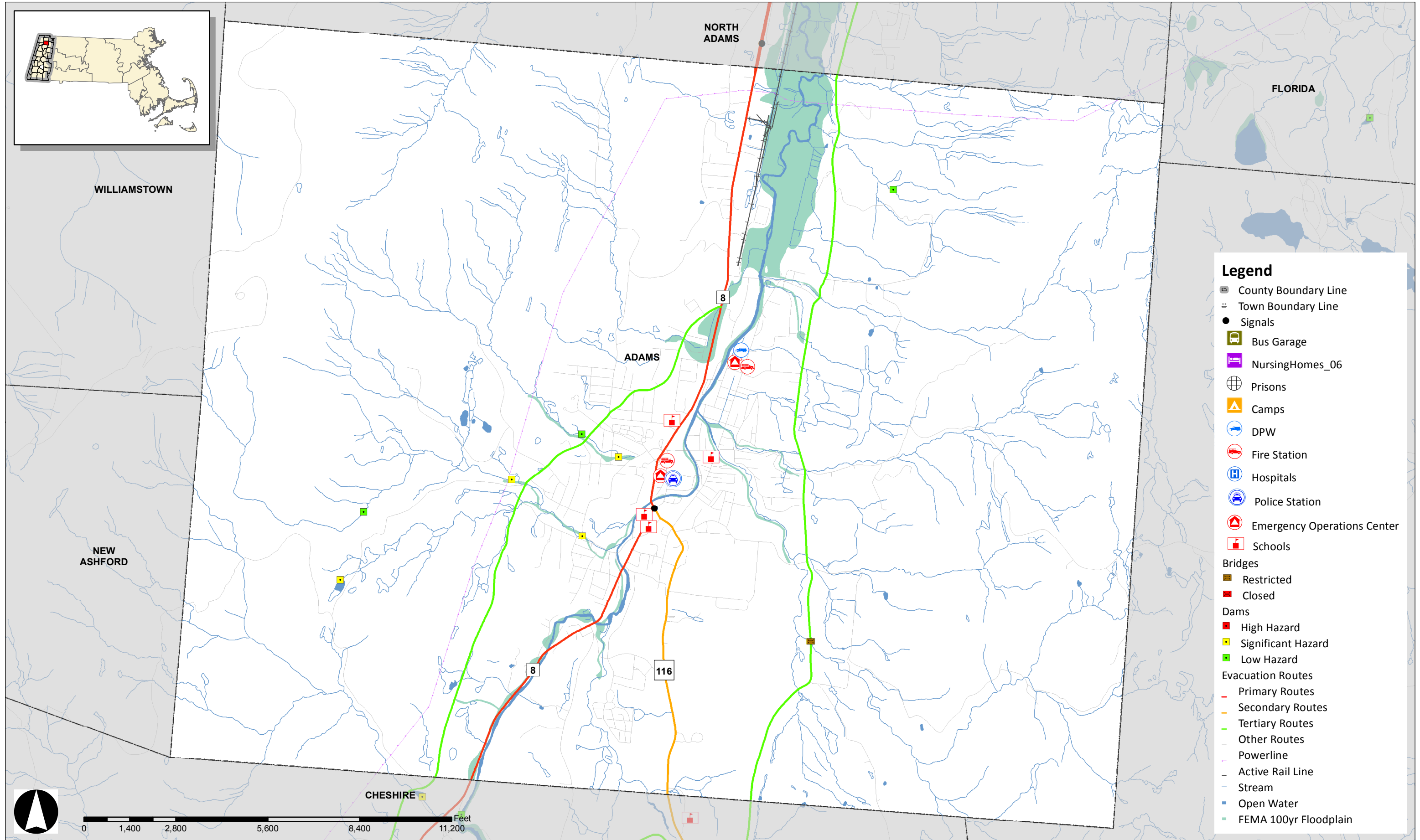
Towns	Primary Evacuation Routes	Secondary Evacuation Routes	Tertiary Evacuation Routes
Adams	Route 8	Orchard Street	West Road East Road
Alford	Route 7 Route 102	Egremont Plain Road	West Road East Road Alford Road
Becket	Route 8 Route 20	Mcnerly Road	-
Cheshire	Route 8	Savoy Road	-
Clarksburg	Route 8	-	-
Dalton	Route 9 Main Street Hinsdale Road	South Street Washington Mountain Road	Grange Hall Road Kirchner Road
Egremont	South Egremont Road	Egremont Plain Road Hillsdale Road Under Mountain Road/Route 41	Blunt Road Boice Road Baldwill Hill Road North South
Florida	Route 2/Mohawk Trail	-	Munroe Road Tilda Hill Road
Great Barrington	Route 7	Route 183 Route 23/Monterey Road South Egremont Road Egremont Plain Road North Plain Road	Division Street Alford Road
Hancock	Lebanon Mountain Road	Route 43/Main Road	Brodie Mountain Road
Hinsdale	Route 8	Peru Road	Robinson Road Middlefield Road Blotz Road
Lanesborough	Route 7/South Main Street/Williamstown Road	-	Balance Rock Road Summer Street Cheshire Road Brodie Mountain Road
Lee	I-90 Route 20/Laurel Street/ Route 7/Veteran's Memorial Highway / Route 102	West Street	Route 7A Walker Street East Street Stockbridge Road Meadow Street West Mountain Road
Lenox	Route 7/Veteran's Memorial Highway Laurel Street Pleasant Street/Route 102	Holmes Road West Street	New Lenox Road East Street Route 7A Walker Street
Monterey	Route 23	Pixley Road	Tyringham Road
Mount Washington	Route 7	Under Mountain Road/Route 41	Berkshire School Road
New Ashford	East New Lenox Road	-	-
New Marlborough	Route 57	Hartsville Road New Marlborough/South Sandisfield Road	-

Towns	Primary Evacuation Routes	Secondary Evacuation Routes	Tertiary Evacuation Routes
North Adams	Route 8 Route 2	Route 8A/Ashland Street	Massachusetts Ave.
Otis	Route 8 Route 20	Great Barrington Road Blandford Road/Route 23	-
Peru	Route 8/Main Street	Route 143/Peru Road	Middlefield Road South Road Robinson Road Blotz Road Pecks Road Crane Avenue Dalton Avenue
Pittsfield	Route 7 Route 9 Route 8 Route 20	Holmes Road Williams Street Division Road Hubbard Avenue Richmond Road	West Street Barker Road Tamarack Road East Street East New Lenox Road
Richmond	Route 41/Richmond Road	Canaan Road/Route 295	Swamp Road
Sandisfield	Route 8	Route 57 Route 183	-
Savoy	Route 2/Mohawk Trail	Main Road Route 8A/Savoy Road	-
Sheffield	Route 7	Route 41/Under Mountain Road	Berkshire School Road
Stockbridge	I-90 Route 7 Route 102	Interlaken Road Glendale Road	Stockbridge Road
Tyringham	Main Road	McCarthy Road	Tyringham Road
Washington	Route 8/Washington State Road	Washington Mountain Road	Frost road
West Stockbridge	I-90/State Line Road	Great Barrington Road Albany Road	West Center Rd. East Alford Road Swamp Road
Williamstown	Route 7 Route 2	Route 43	North Hoosac Road
Windsor	Route 9	Route 8A/Savoy Road	-

Evacuation routes were developed based on an analysis of the transportation network, considering factors such as capacity, congestion, and road destinations to develop a hierarchy of primary, secondary, and tertiary routes. Definitions of these routes are as follows:

- Primary – state designated highways that carry the largest capacity and provide the most direct route out of the region
- Secondary – main arterial roads through towns that carry traffic where primary routes do not exist or provide an alternate route to the primary route
- Tertiary – local main roads, used to channel traffic towards secondary and primary evacuation routes

ADAMS



- Legend**
- County Boundary Line
 - Town Boundary Line
 - Signals
 - Bus Garage
 - NursingHomes_06
 - Prisons
 - Camps
 - DPW
 - Fire Station
 - Hospitals
 - Police Station
 - Emergency Operations Center
 - Schools
 - Bridges**
 - Restricted
 - Closed
 - Dams**
 - High Hazard
 - Significant Hazard
 - Low Hazard
 - Evacuation Routes**
 - Primary Routes
 - Secondary Routes
 - Tertiary Routes
 - Other Routes
 - Powerline
 - Active Rail Line
 - Stream
 - Open Water
 - FEMA 100yr Floodplain



0 1,400 2,800 5,600 8,400 11,200 Feet

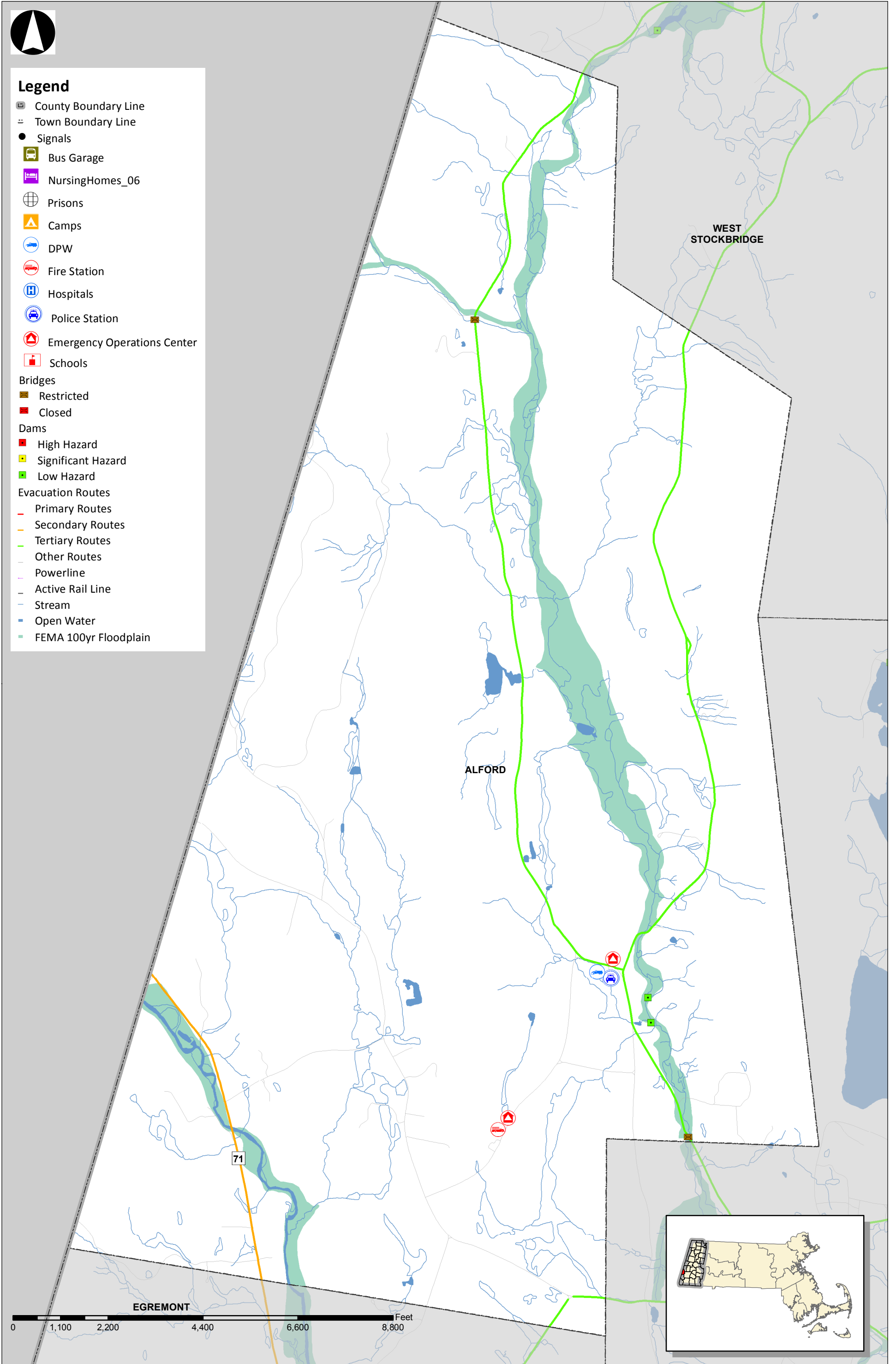
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ALFORD

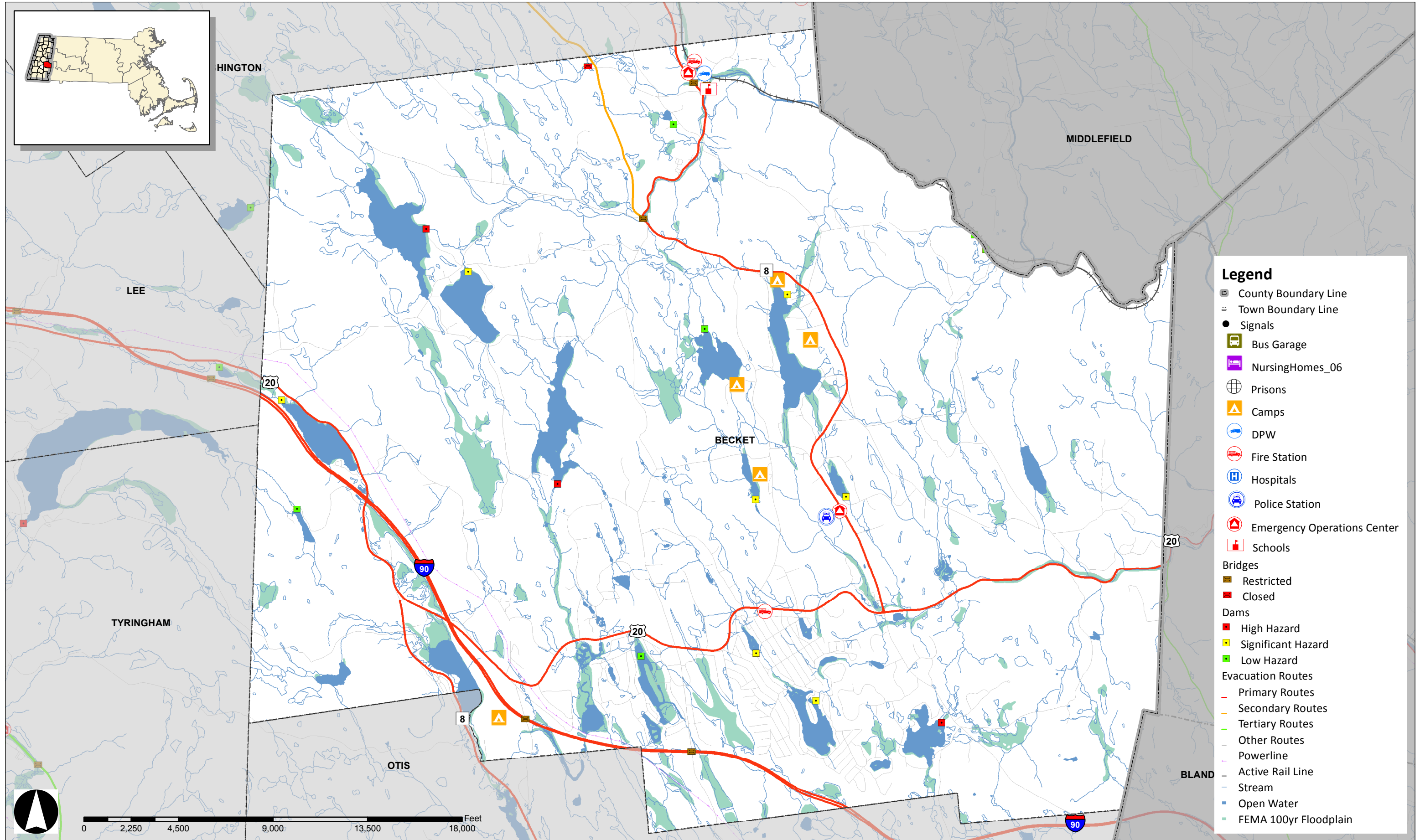


Legend

- County Boundary Line
- Town Boundary Line
- Signals
- Bus Garage
- NursingHomes_06
- Prisons
- Camps
- DPW
- Fire Station
- Hospitals
- Police Station
- Emergency Operations Center
- Schools
- Bridges**
- Restricted
- Closed
- Dams**
- High Hazard
- Significant Hazard
- Low Hazard
- Evacuation Routes**
- Primary Routes
- Secondary Routes
- Tertiary Routes
- Other Routes
- Powerline
- Active Rail Line
- Stream
- Open Water
- FEMA 100yr Floodplain

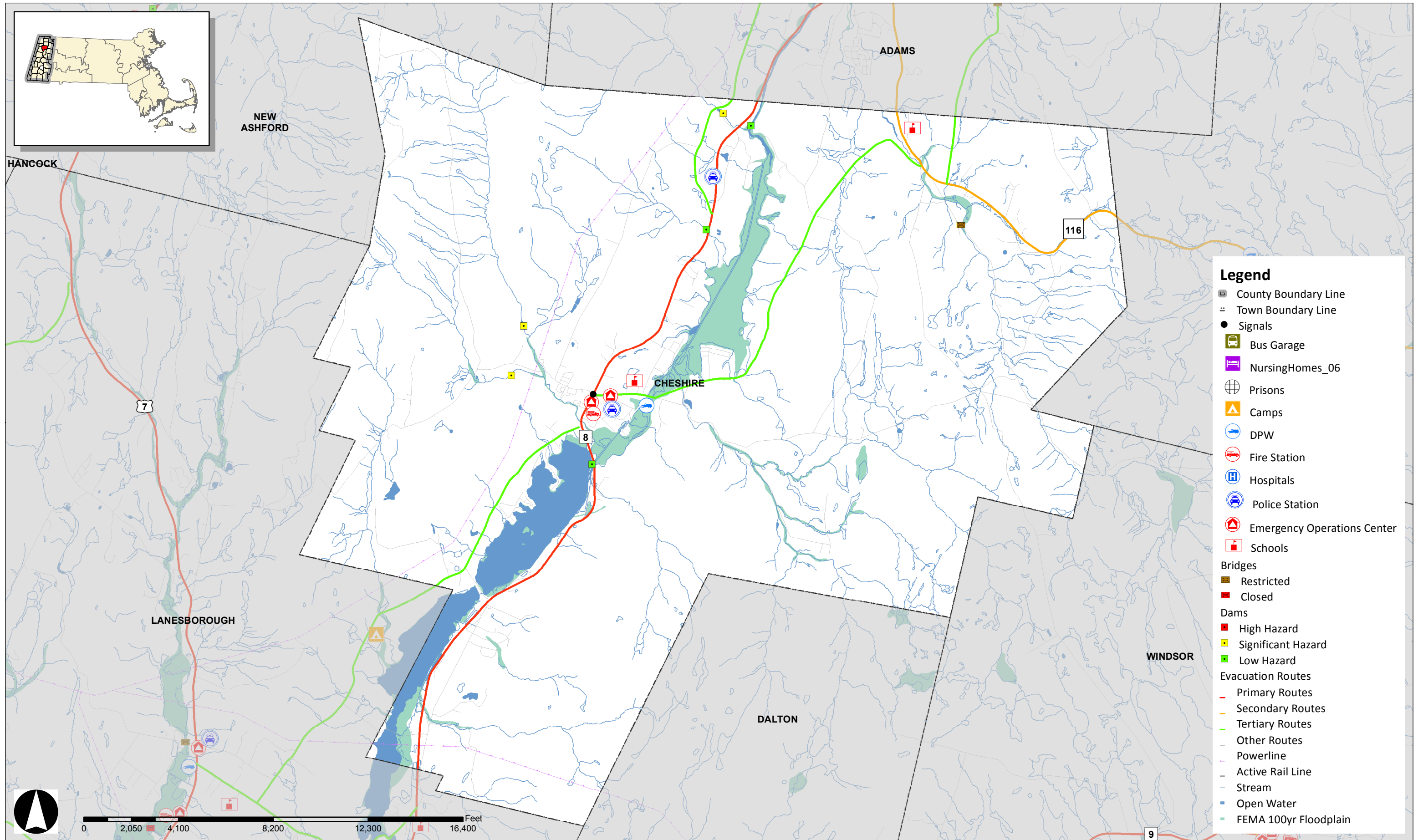


BECKET



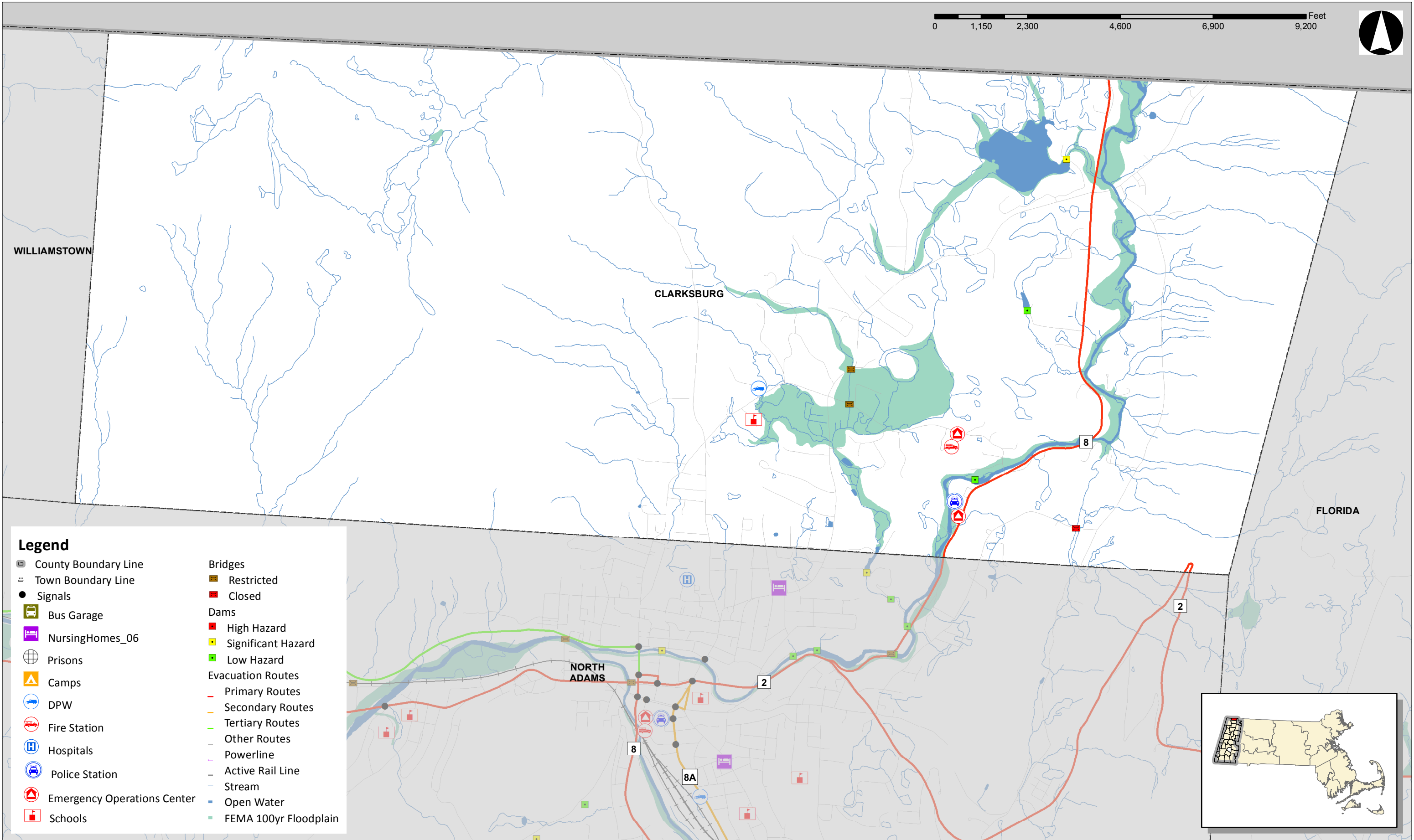
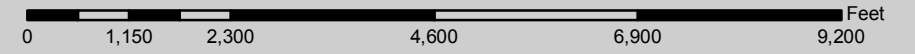
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CHESHIRE



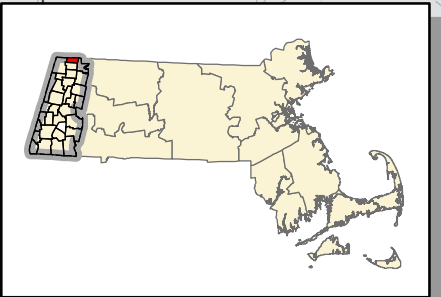
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CLARKSBURG

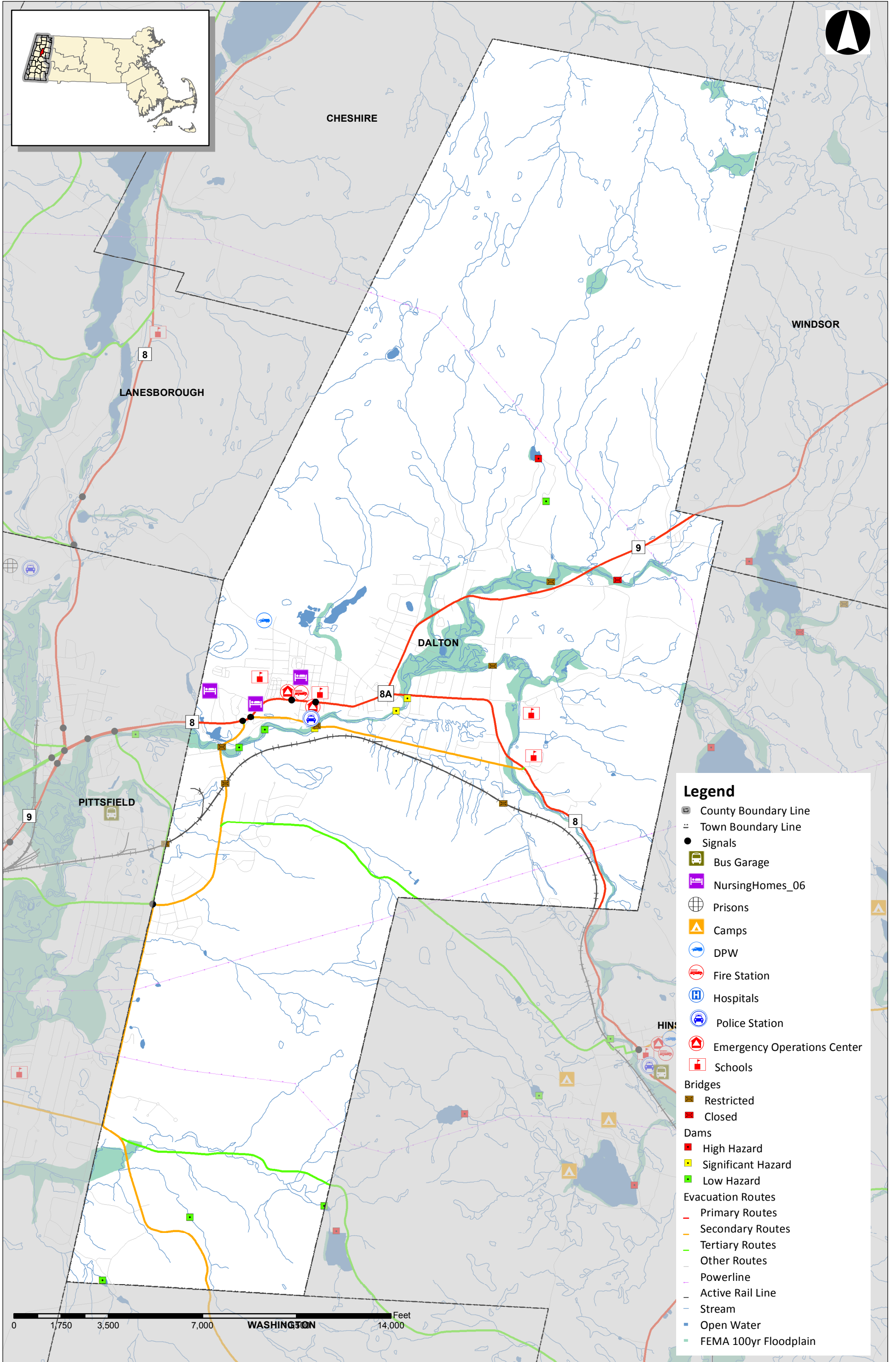


Legend

County Boundary Line	Bridges
Town Boundary Line	Restricted
Signals	Closed
Bus Garage	Dams
NursingHomes_06	High Hazard
Prisons	Significant Hazard
Camps	Low Hazard
DPW	Evacuation Routes
Fire Station	Primary Routes
Hospitals	Secondary Routes
Police Station	Tertiary Routes
Emergency Operations Center	Other Routes
Schools	Powerline
	Active Rail Line
	Stream
	Open Water
	FEMA 100yr Floodplain



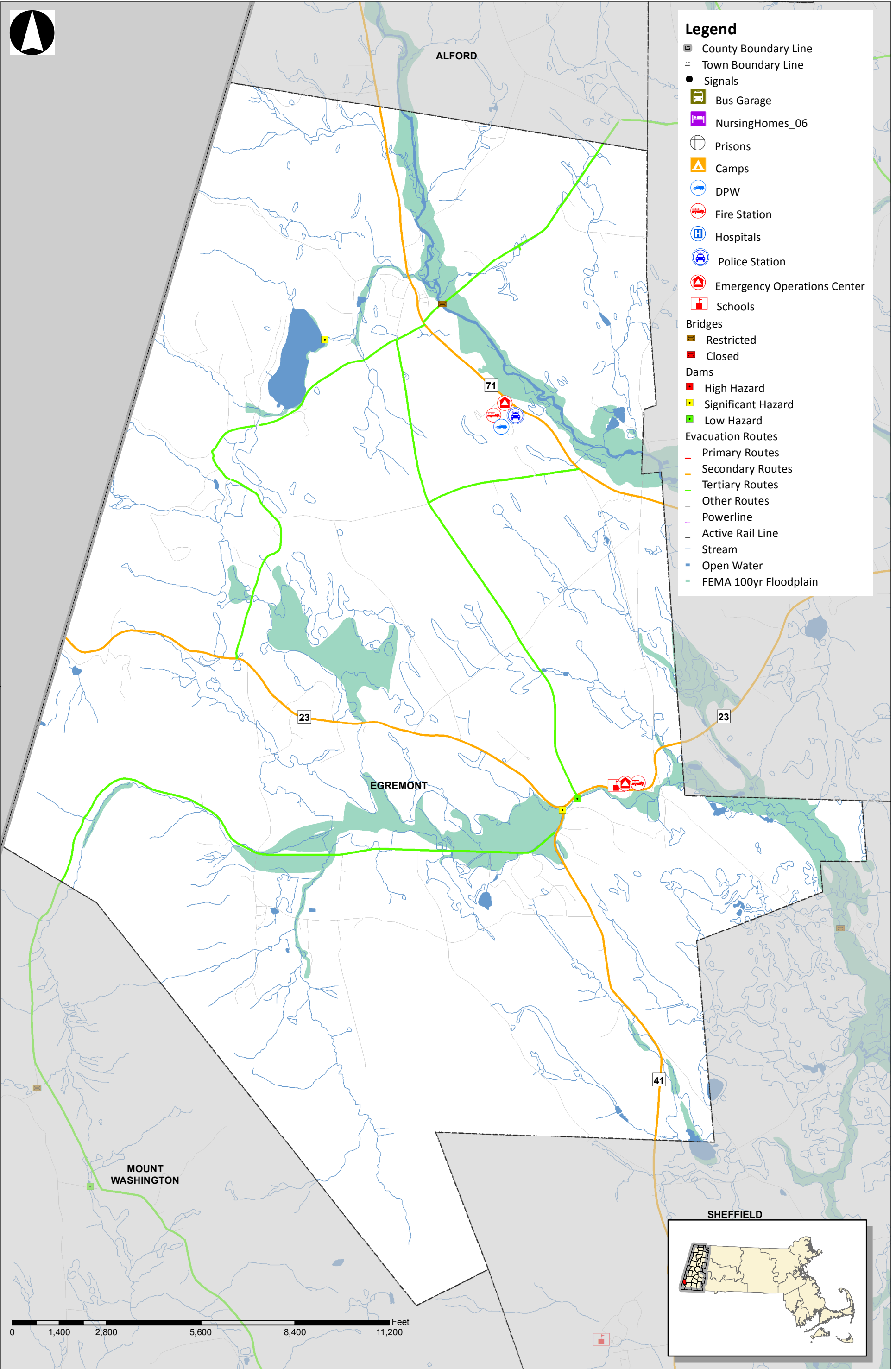
DALTON



Legend

- County Boundary Line
- Town Boundary Line
- Signals
- Bus Garage
- NursingHomes_06
- Prisons
- Camps
- DPW
- Fire Station
- Hospitals
- Police Station
- Emergency Operations Center
- Schools
- Bridges**
- Restricted
- Closed
- Dams**
- High Hazard
- Significant Hazard
- Low Hazard
- Evacuation Routes**
- Primary Routes
- Secondary Routes
- Tertiary Routes
- Other Routes
- Powerline
- Active Rail Line
- Stream
- Open Water
- FEMA 100yr Floodplain

EGREMONT

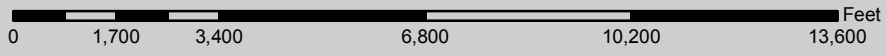


Legend

- ▬ County Boundary Line
- - - Town Boundary Line
- Signals
- 🚌 Bus Garage
- 🏠 NursingHomes_06
- 🏛️ Prisons
- 🏕️ Camps
- 🚒 DPW
- 🚒 Fire Station
- 🏥 Hospitals
- 🚓 Police Station
- 🚒 Emergency Operations Center
- 🎓 Schools
- Bridges**
- 🚧 Restricted
- 🚫 Closed
- Dams**
- 🔴 High Hazard
- 🟡 Significant Hazard
- 🟢 Low Hazard
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- Secondary Routes
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- Powerline
- Active Rail Line
- Stream
- 🟦 Open Water
- 🟩 FEMA 100yr Floodplain

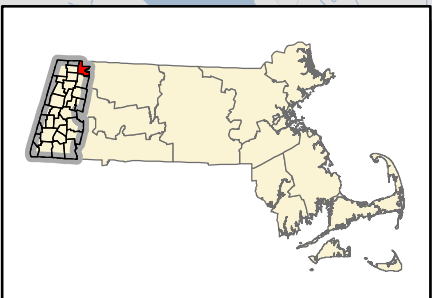
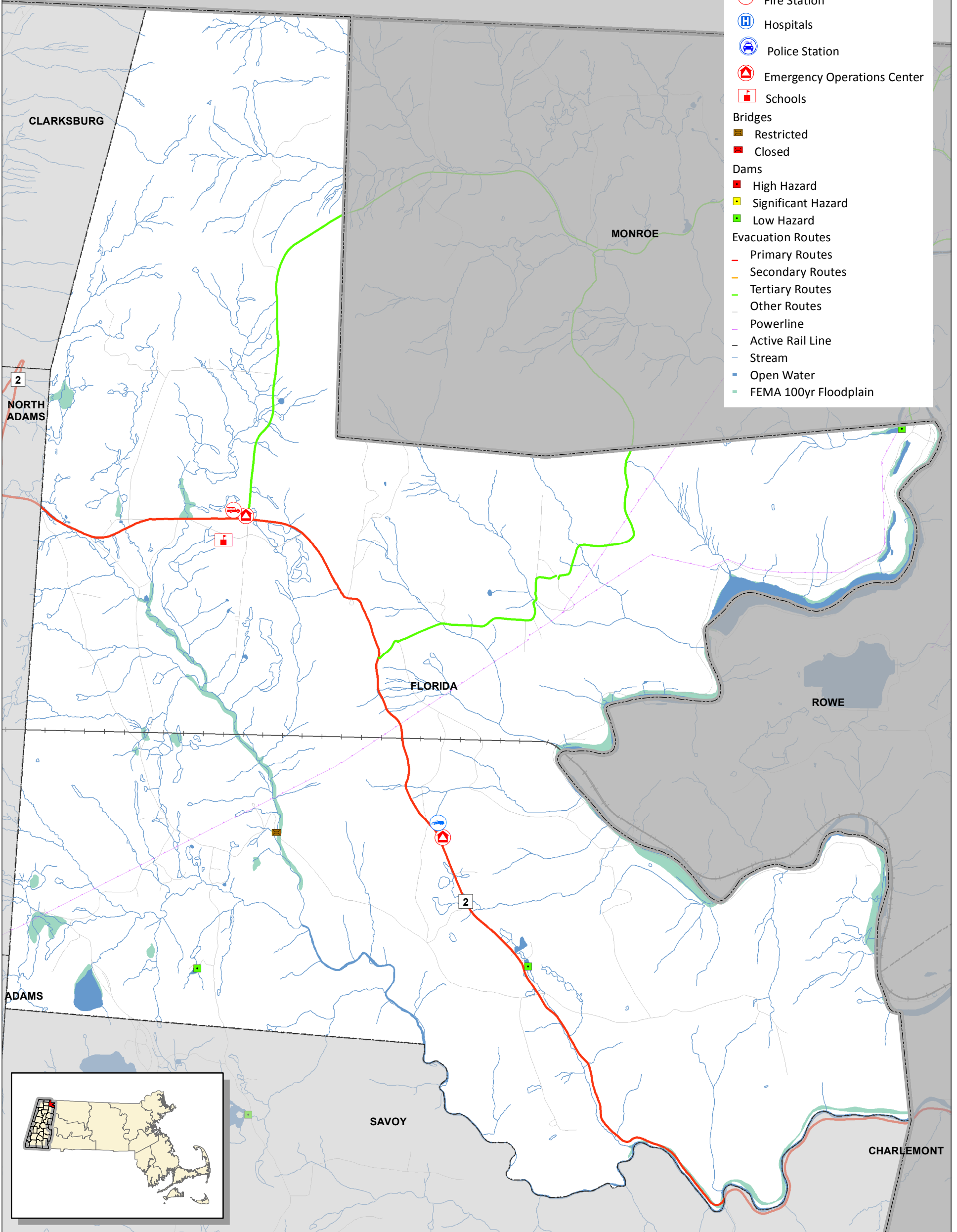
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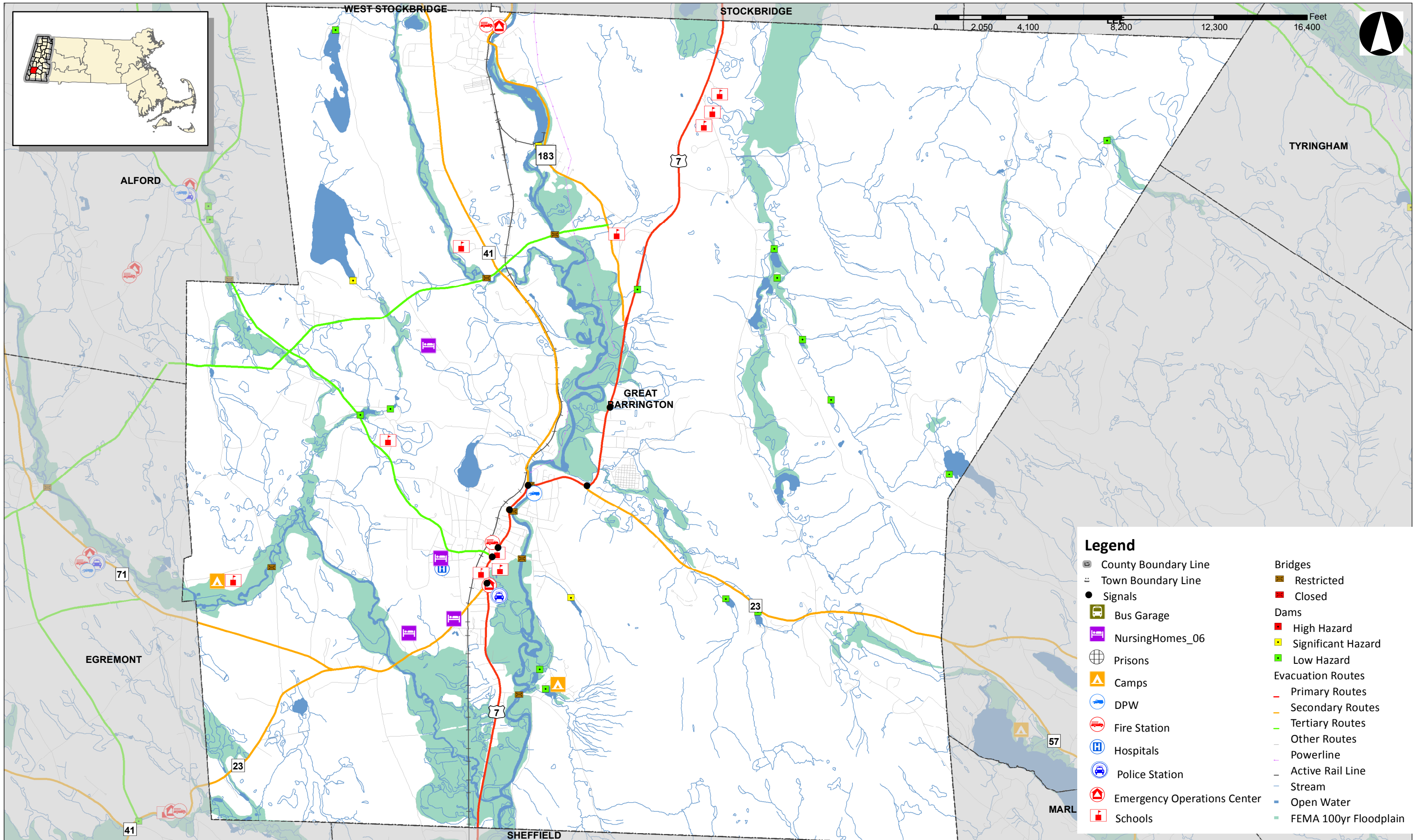


Legend

- County Boundary Line
- Town Boundary Line
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GREAT BARRINGTON



- Legend**
- ▬ County Boundary Line
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 - Signals
 - 🚌 Bus Garage
 - 🏠 NursingHomes_06
 - 🏠 Prisons
 - 🏠 Camps
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 - 🚒 Fire Station
 - 🏠 Hospitals
 - 🚓 Police Station
 - 🚒 Emergency Operations Center
 - 🏠 Schools
 - 🌉 Bridges
 - 🟡 Restricted
 - 🔴 Closed
 - 🏰 Dams
 - 🔴 High Hazard
 - 🟡 Significant Hazard
 - 🟢 Low Hazard
 - 📍 Evacuation Routes
 - 🔴 Primary Routes
 - 🟡 Secondary Routes
 - 🟢 Tertiary Routes
 - ⚪ Other Routes
 - ⚡ Powerline
 - 🚊 Active Rail Line
 - 🌊 Stream
 - 🌊 Open Water
 - 🟢 FEMA 100yr Floodplain

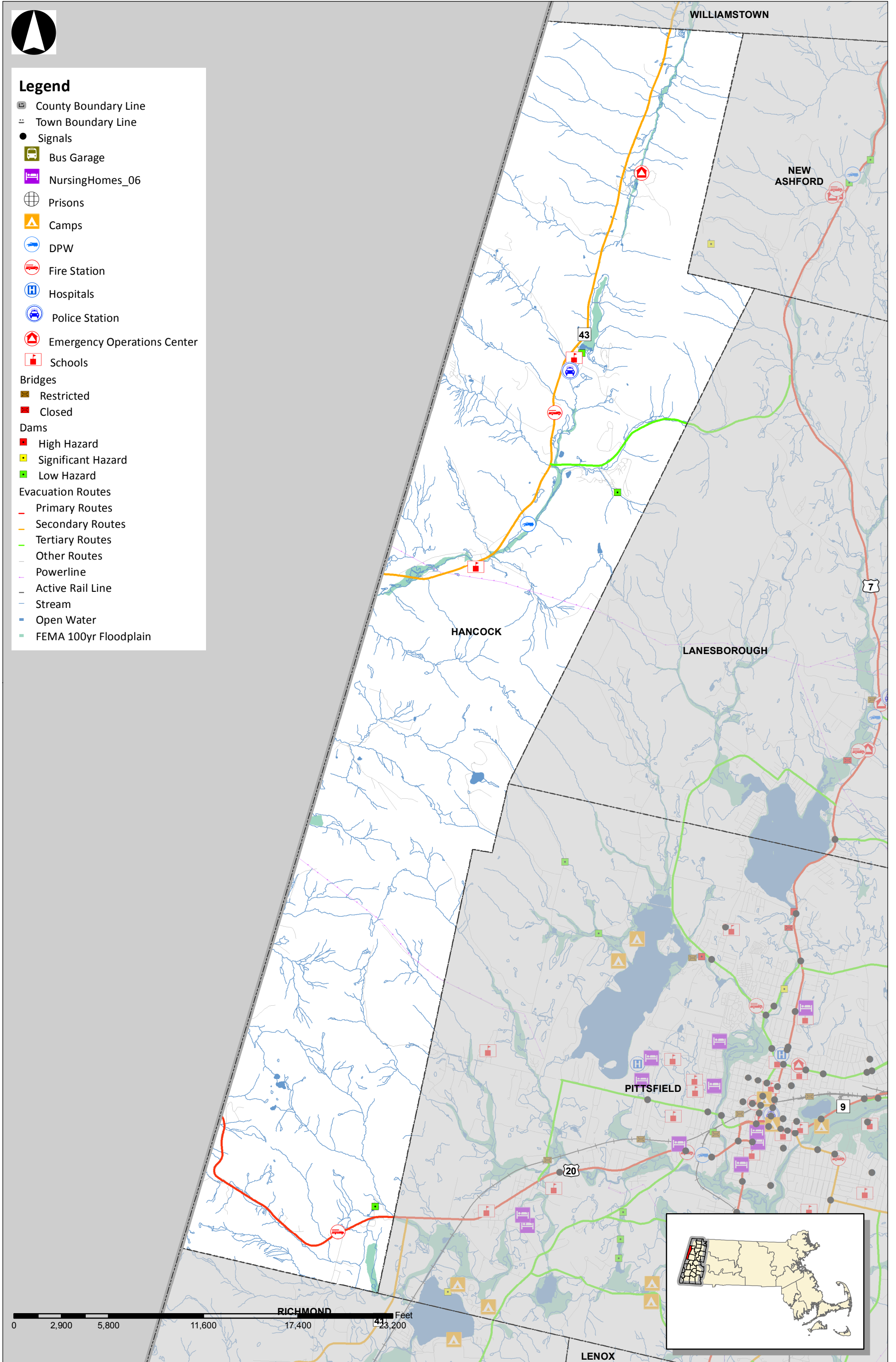
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HANCOCK

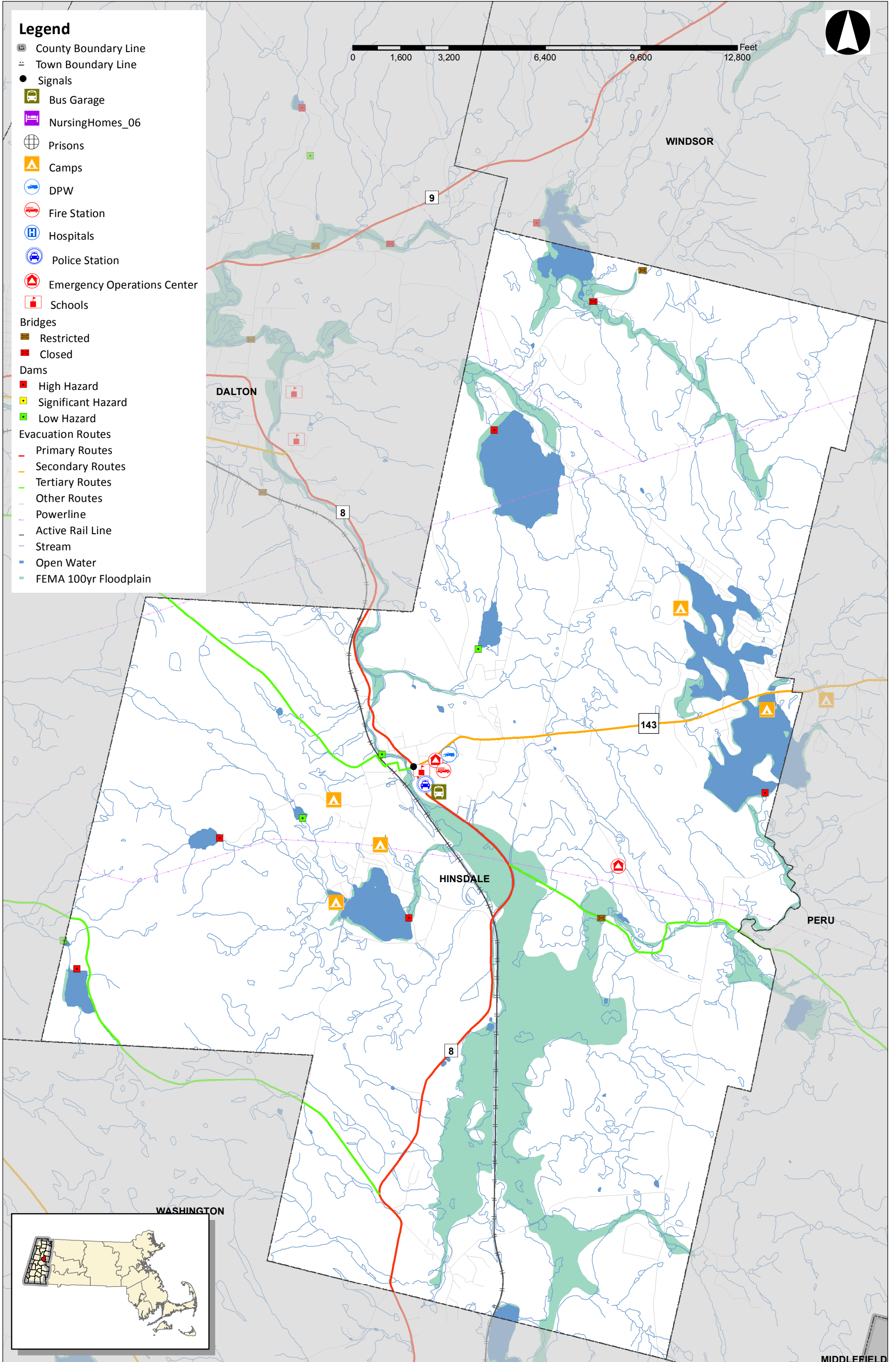


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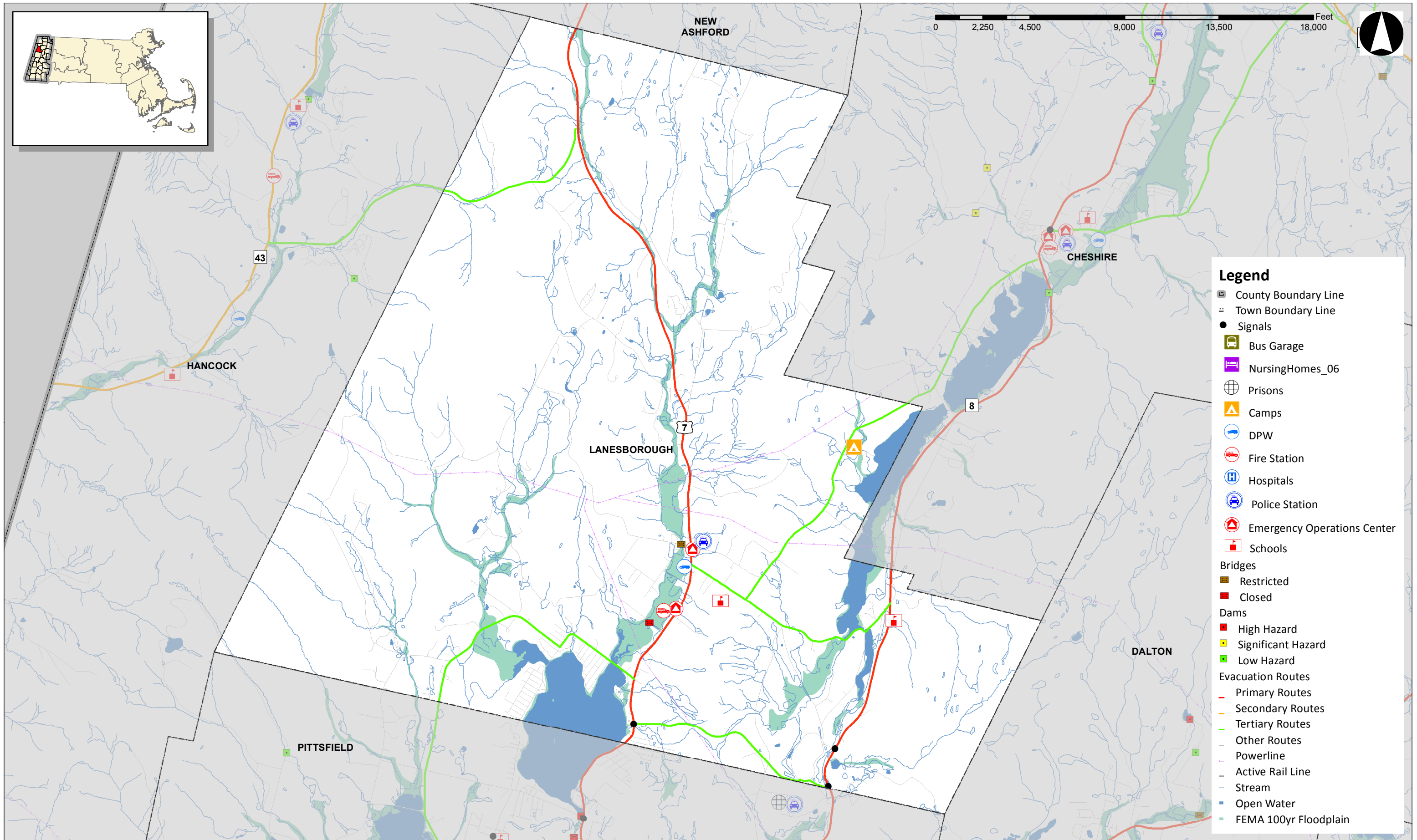
- County Boundary Line
- Town Boundary Line
- Signals
- Bus Garage
- NursingHomes_06
- Prisons
- Camps
- DPW
- Fire Station
- Hospitals
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HINSDALE



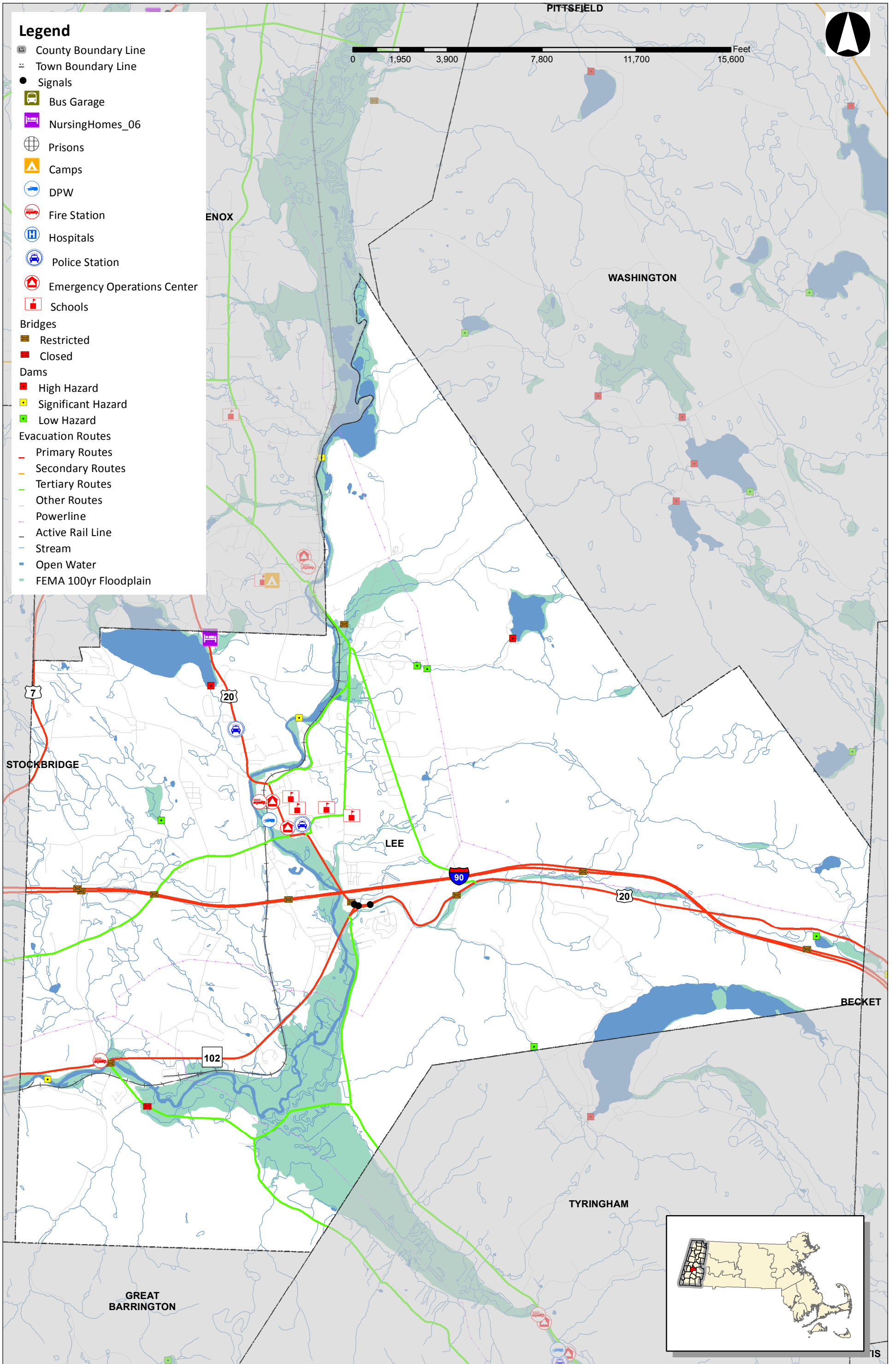
LANESBOROUGH



- Legend**
- ▬ County Boundary Line
 - ▬ Town Boundary Line
 - Signals
 - 🚌 Bus Garage
 - 🏠 NursingHomes_06
 - 🏛️ Prisons
 - 🏕️ Camps
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 - 🚒 Fire Station
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 - 🌊 FEMA 100yr Floodplain

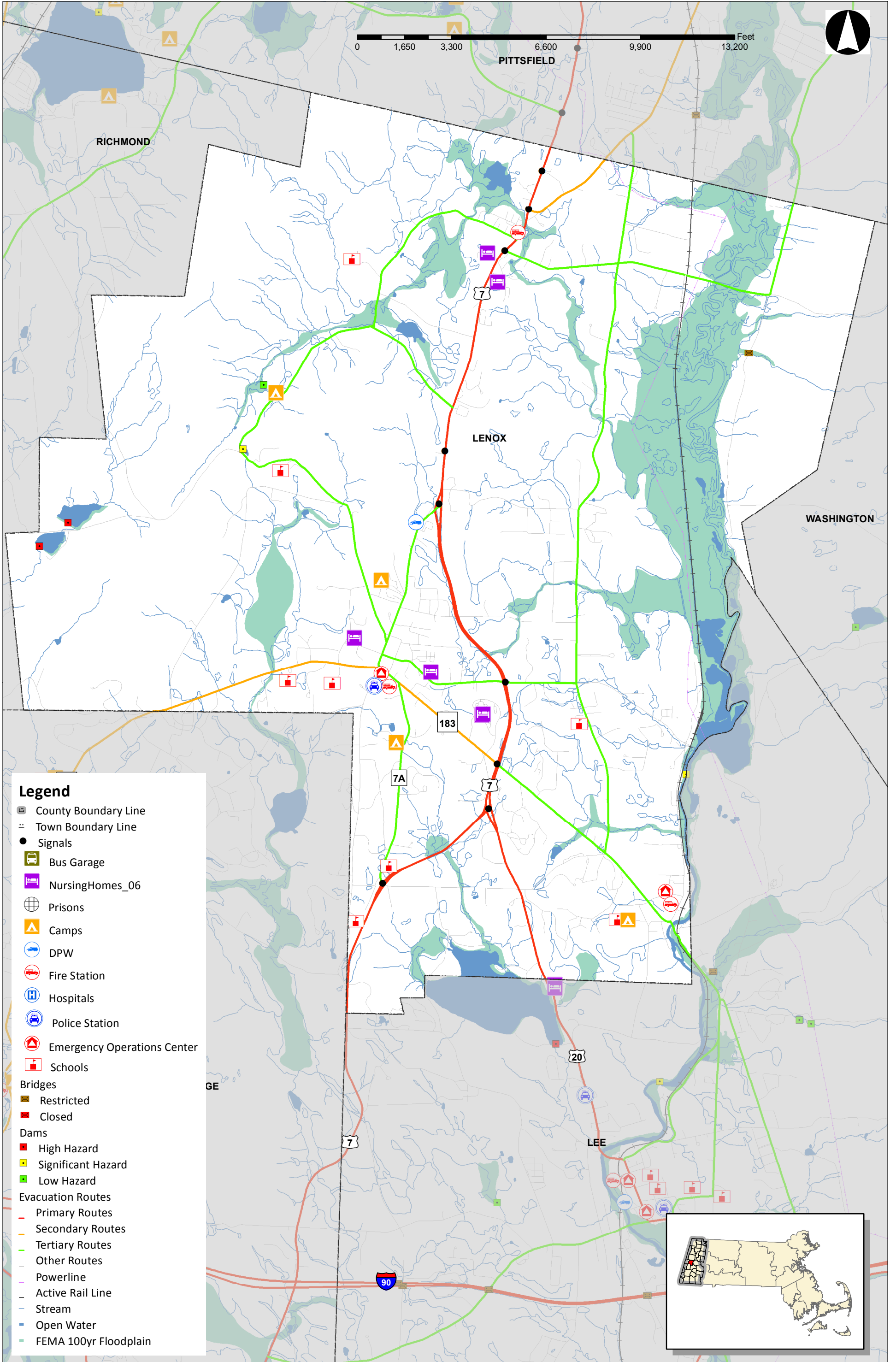
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LENOX

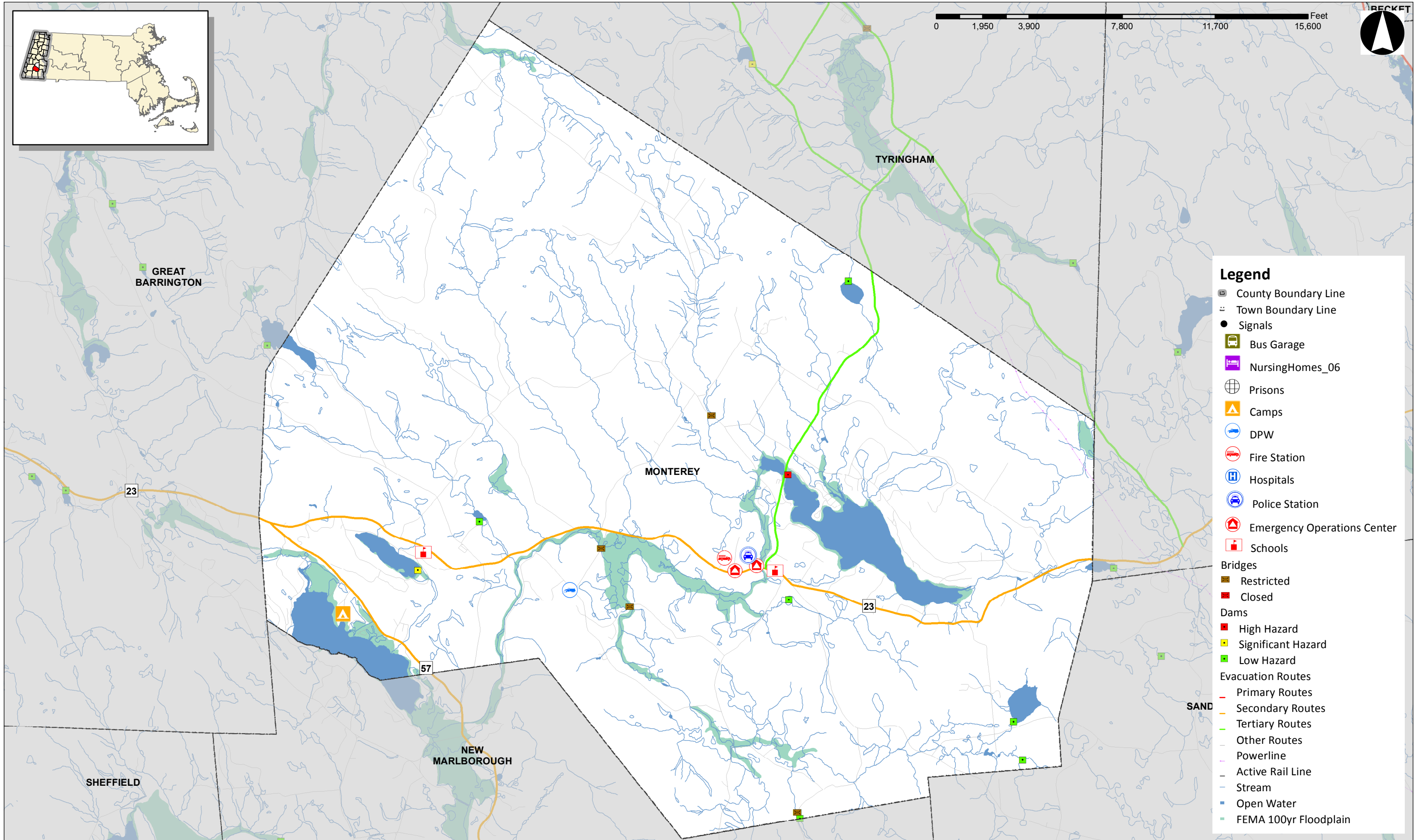


Legend

- County Boundary Line
- Town Boundary Line
- Signals
- Bus Garage
- NursingHomes_06
- Prisons
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MONTEREY

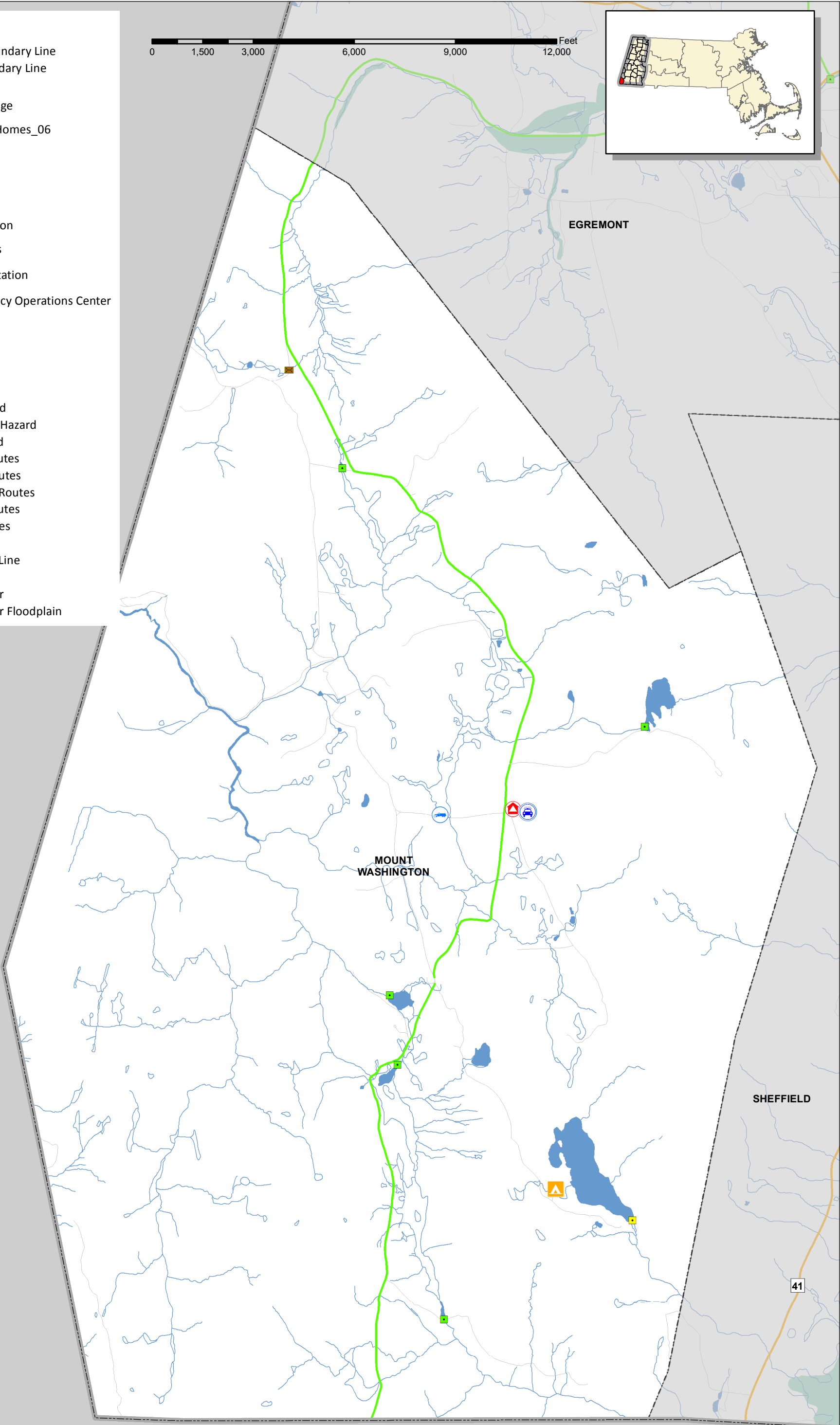
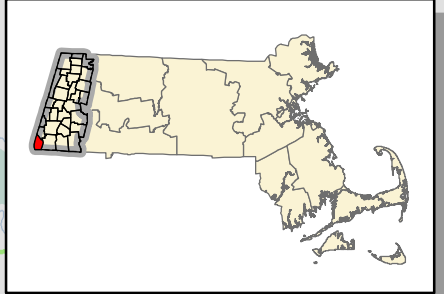


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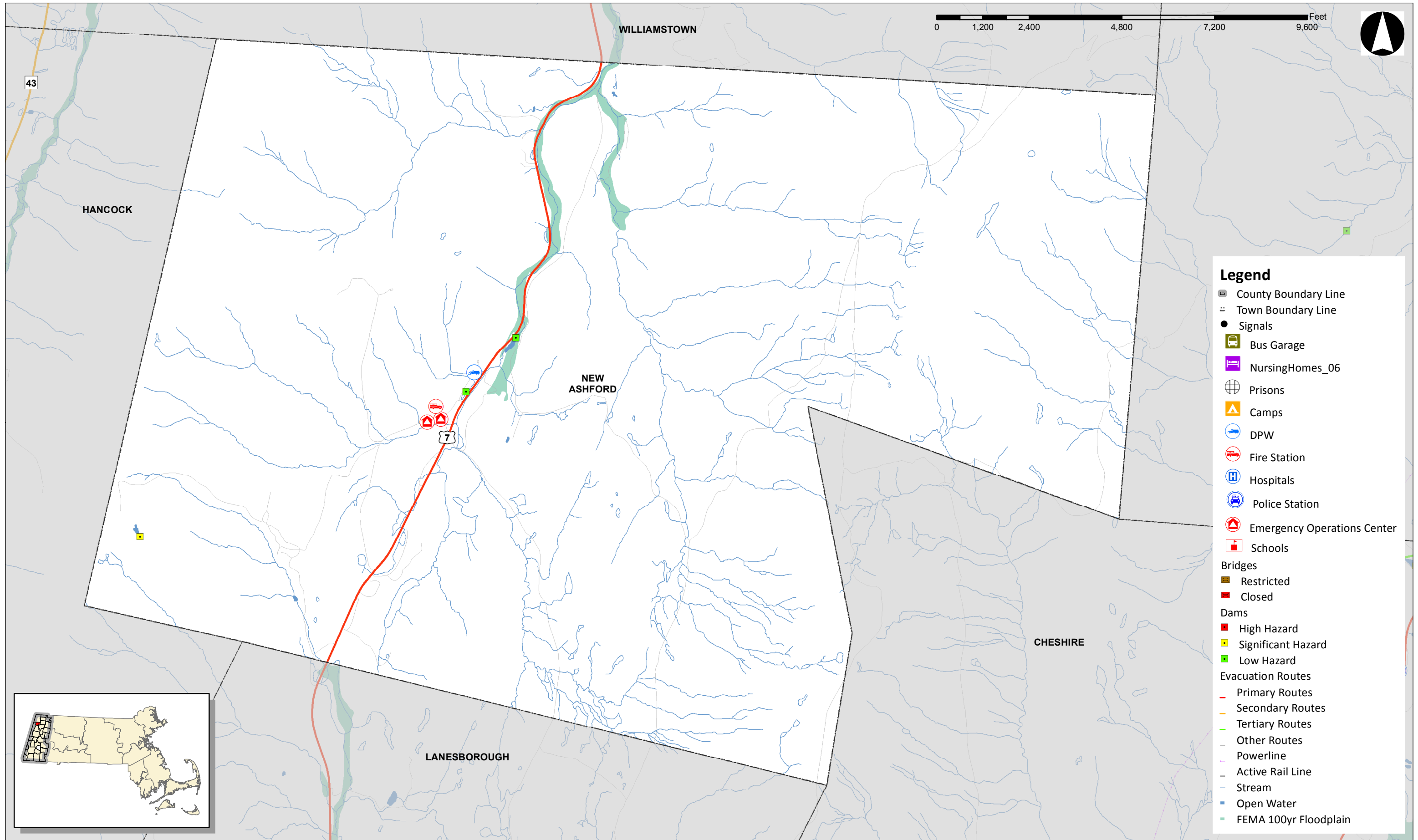
MOUNT WASHINGTON

Legend

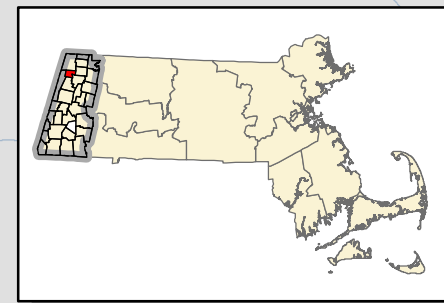
- County Boundary Line
- Town Boundary Line
- Signals
- Bus Garage
- NursingHomes_06
- Prisons
- Camps
- DPW
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NEW ASHFORD

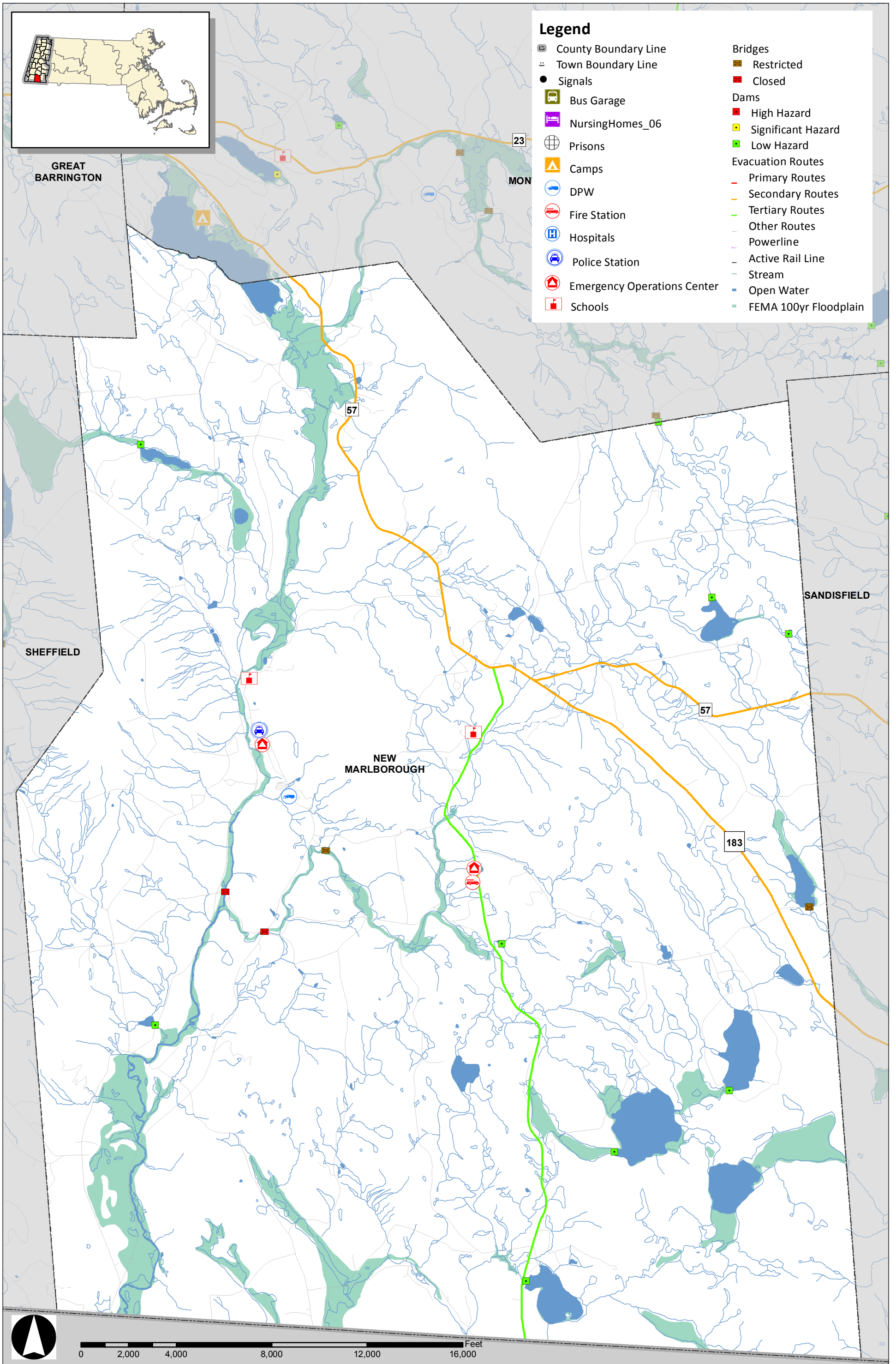


- Legend**
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 - ▬ Town Boundary Line
 - Signals
 - 🚌 Bus Garage
 - 🏠 NursingHomes_06
 - 🏛️ Prisons
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NEW MARLBOROUGH



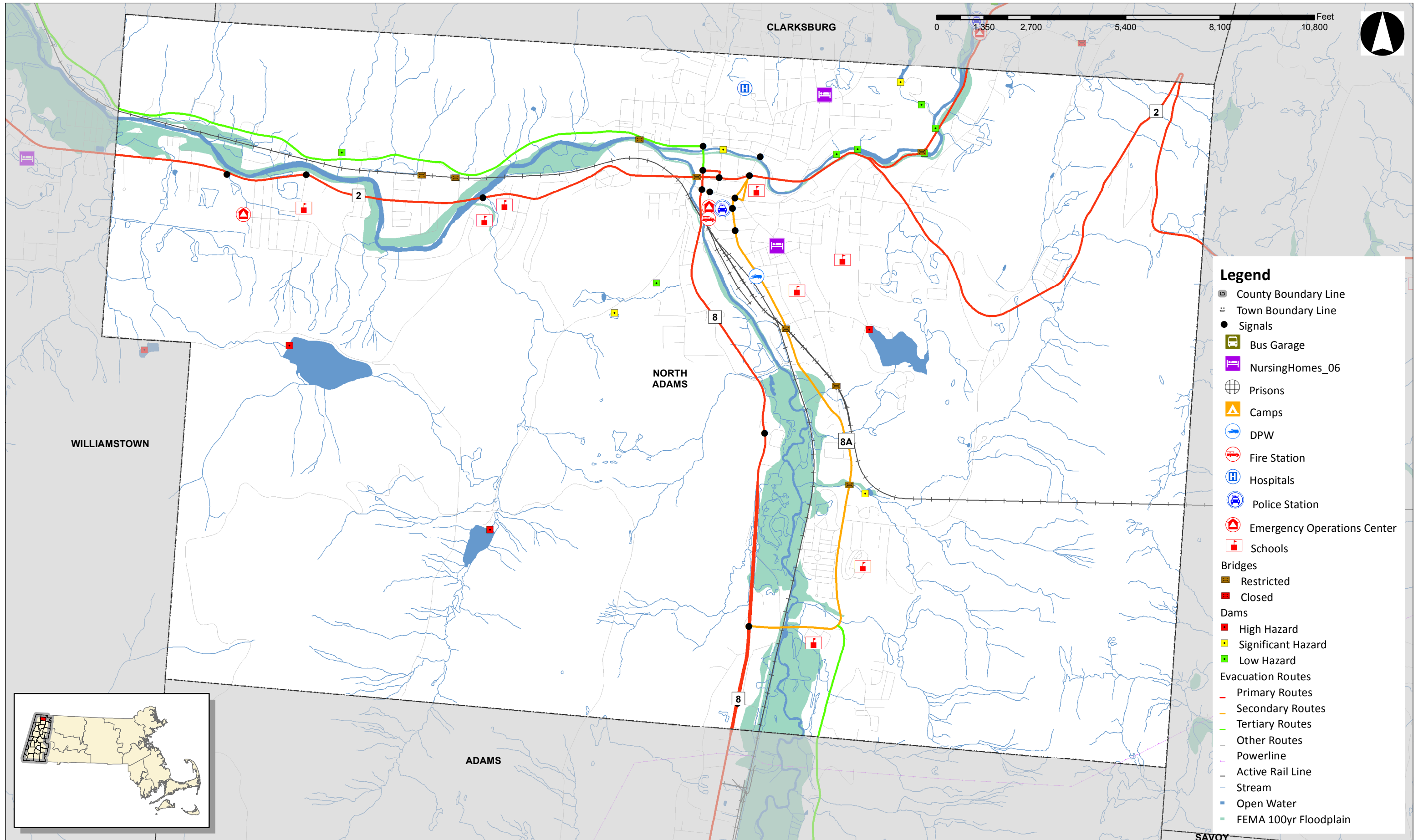
Legend

- County Boundary Line
- Town Boundary Line
- Signals
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- NursingHomes_06
- Prisons
- Camps
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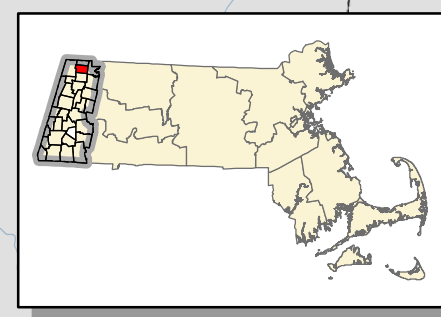


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NORTH ADAMS

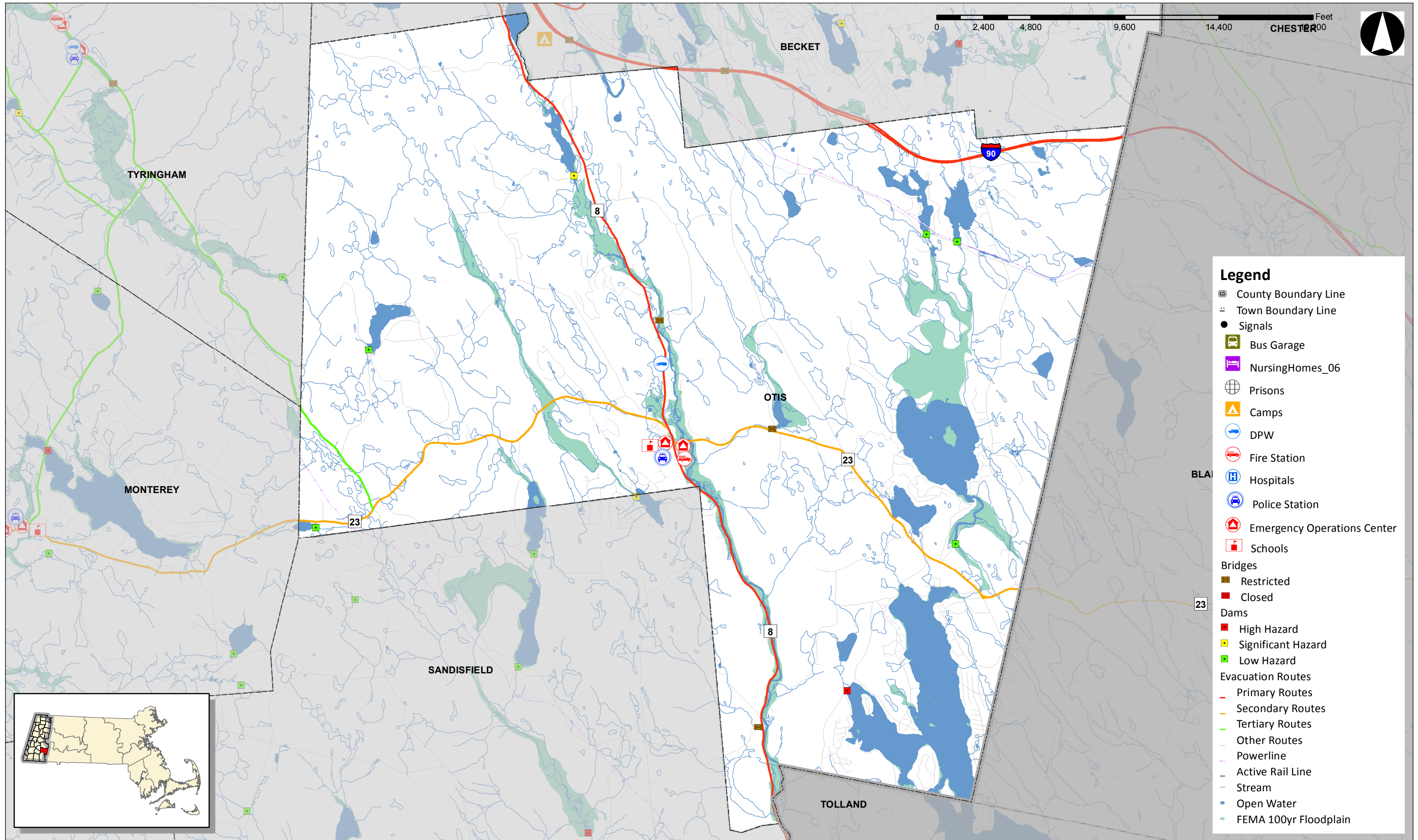


- Legend**
- ▬ County Boundary Line
 - ▬ Town Boundary Line
 - Signals
 - 🚐 Bus Garage
 - 🏠 NursingHomes_06
 - 🏠 Prisons
 - 🏠 Camps
 - 🚒 DPW
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 - Bridges**
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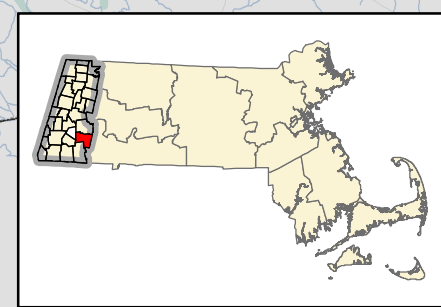


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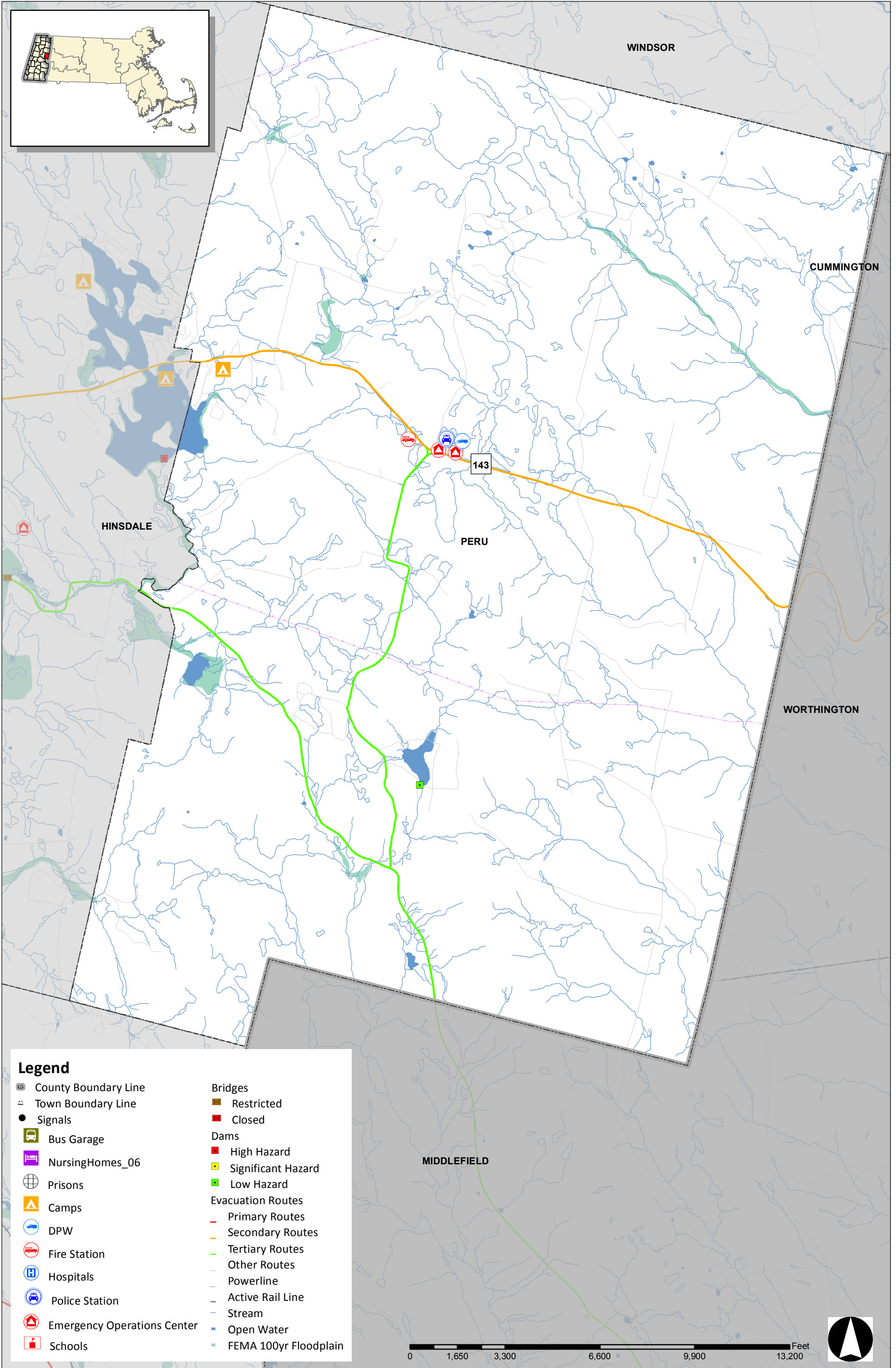


- Legend**
- ▬ County Boundary Line
 - ▬ Town Boundary Line
 - Signals
 - 🚌 Bus Garage
 - 🏠 NursingHomes_06
 - 🏢 Prisons
 - 🏕 Camps
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 - Stream
 - 🌊 Open Water
 - 🌊 FEMA 100yr Floodplain



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PERU

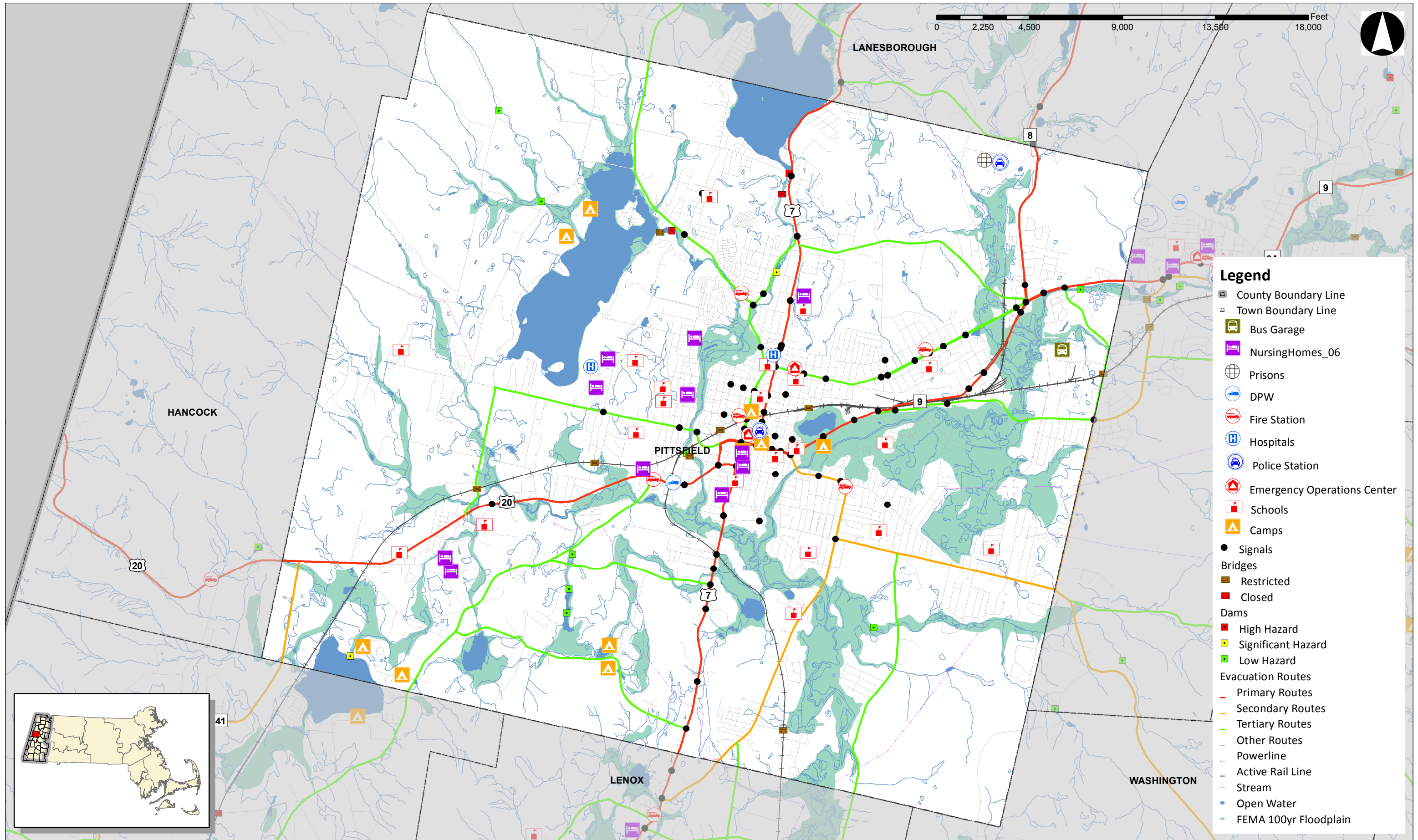


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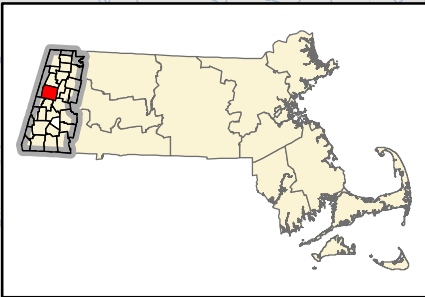
- | | |
|-----------------------------|--------------------------|
| County Boundary Line | Bridges |
| Town Boundary Line | Restricted |
| Signals | Closed |
| Bus Garage | Dams |
| NursingHomes_06 | High Hazard |
| Prisons | Significant Hazard |
| Camps | Low Hazard |
| DPW | Evacuation Routes |
| Fire Station | Primary Routes |
| Hospitals | Secondary Routes |
| Police Station | Tertiary Routes |
| Emergency Operations Center | Other Routes |
| Schools | Powerline |
| | Active Rail Line |
| | Stream |
| | Open Water |
| | FEMA 100yr Floodplain |



PITTSFIELD

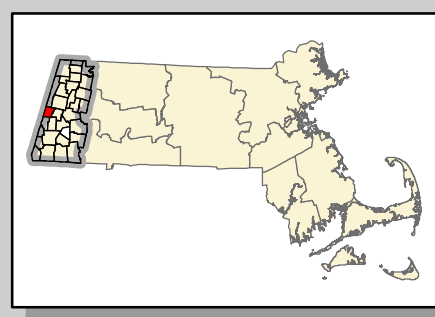
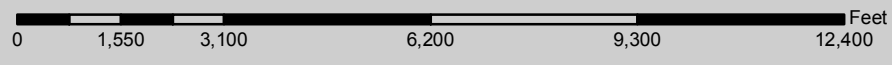
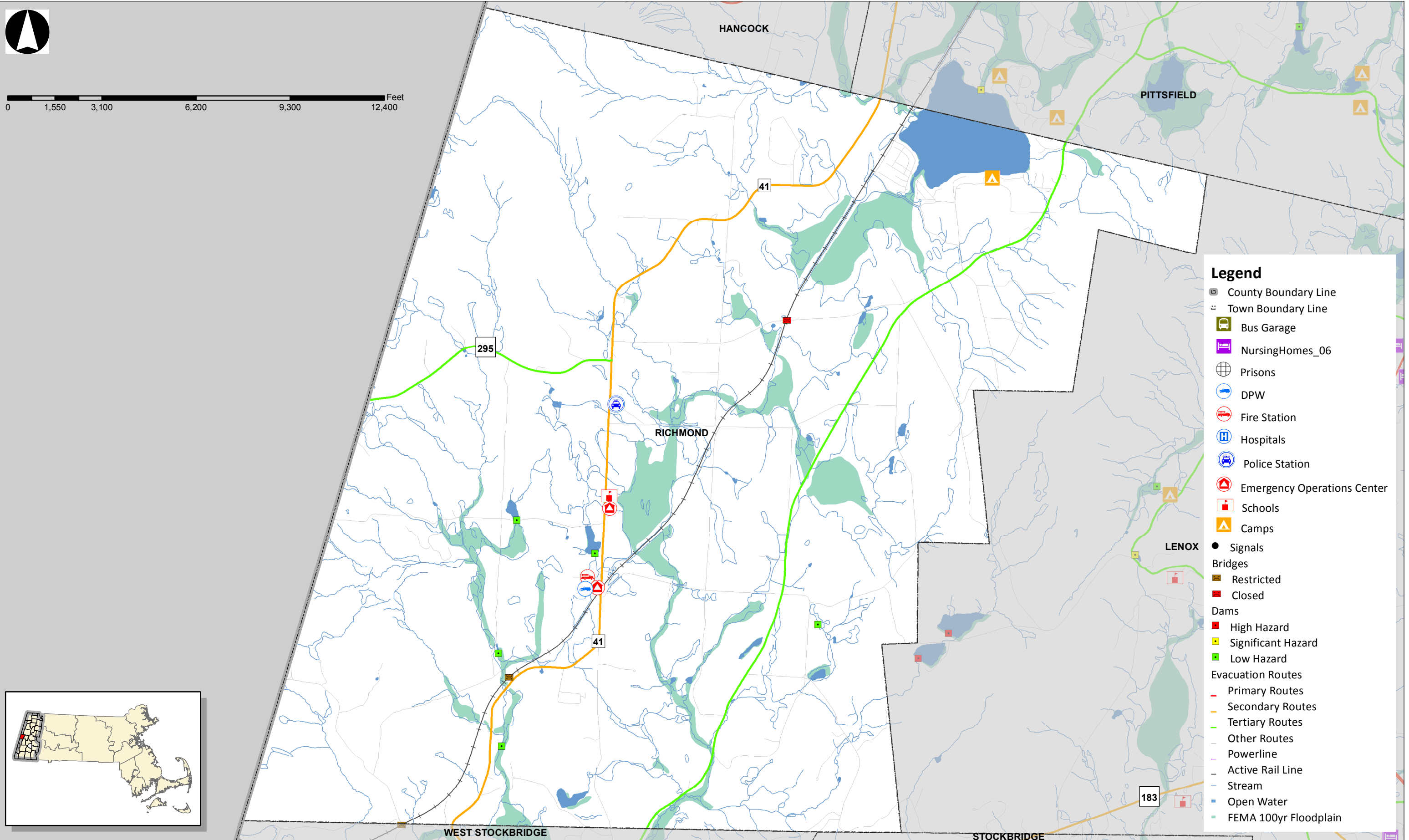


- Legend**
- County Boundary Line
 - Town Boundary Line
 - Bus Garage
 - NursingHomes_06
 - Prisons
 - DPW
 - Fire Station
 - Hospitals
 - Police Station
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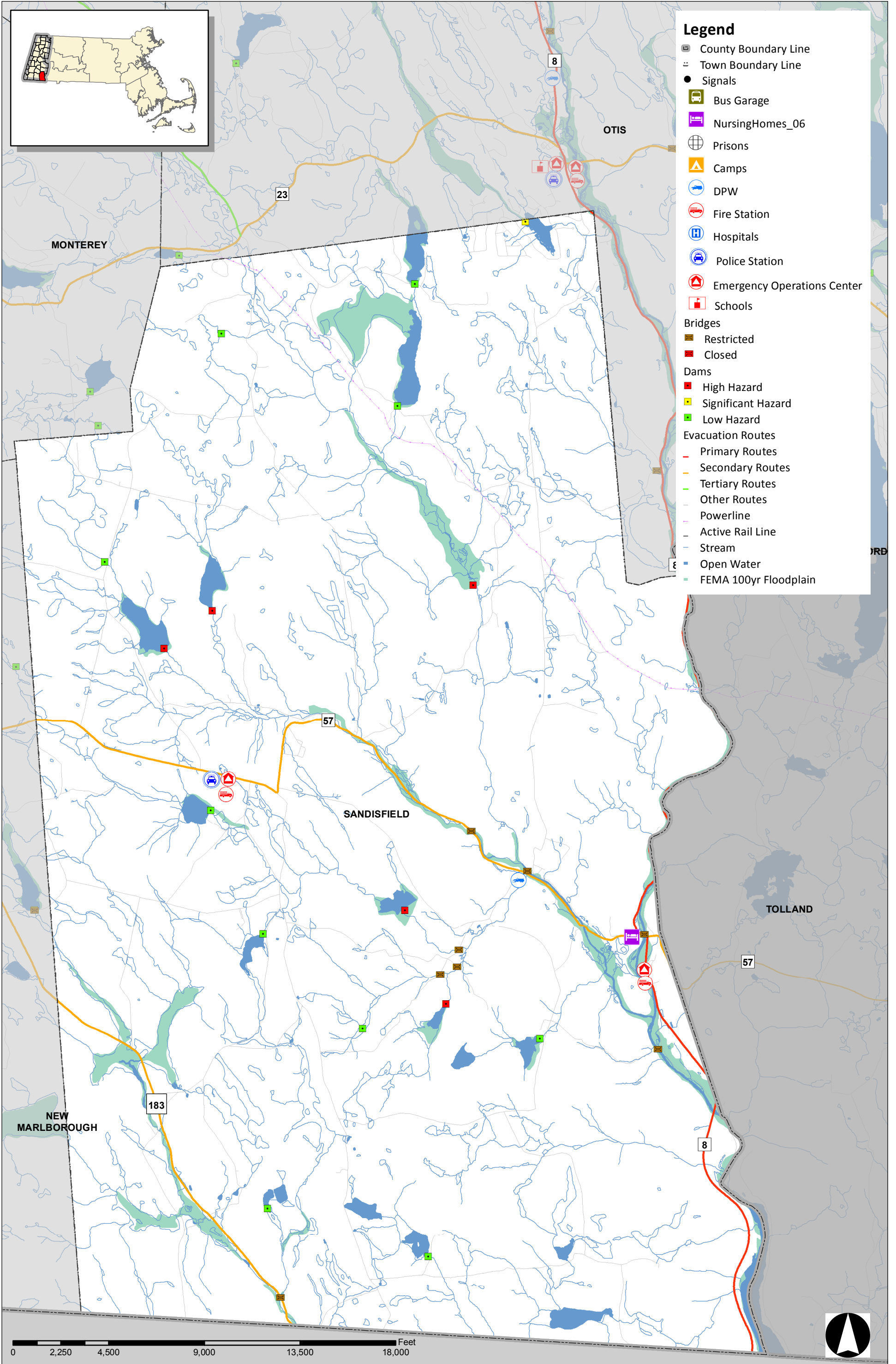
RICHMOND



- Legend**
- County Boundary Line
 - Town Boundary Line
 - Bus Garage
 - NursingHomes_06
 - Prisons
 - DPW
 - Fire Station
 - Hospitals
 - Police Station
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 - Primary Routes
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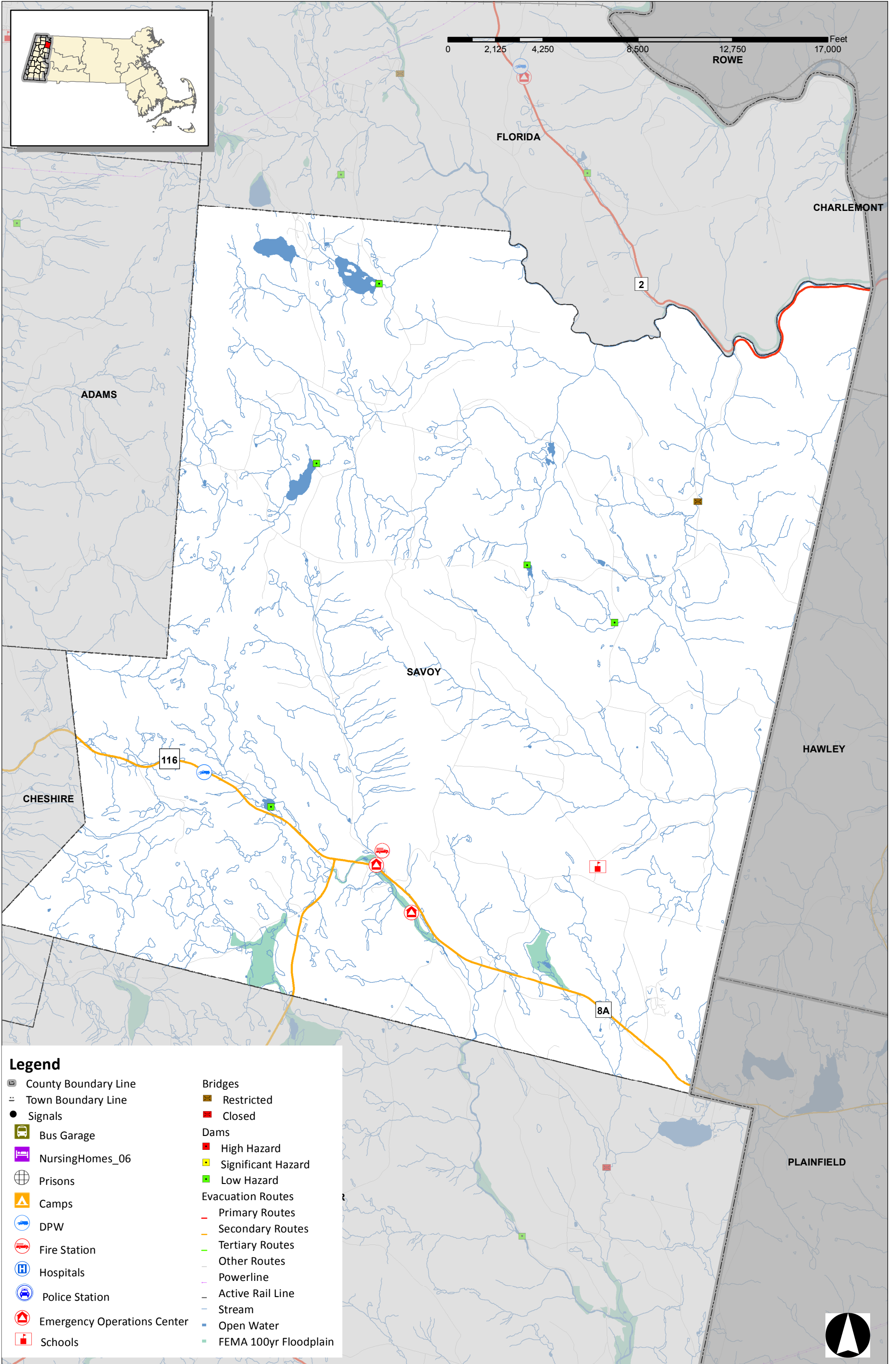
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SANDISFIELD



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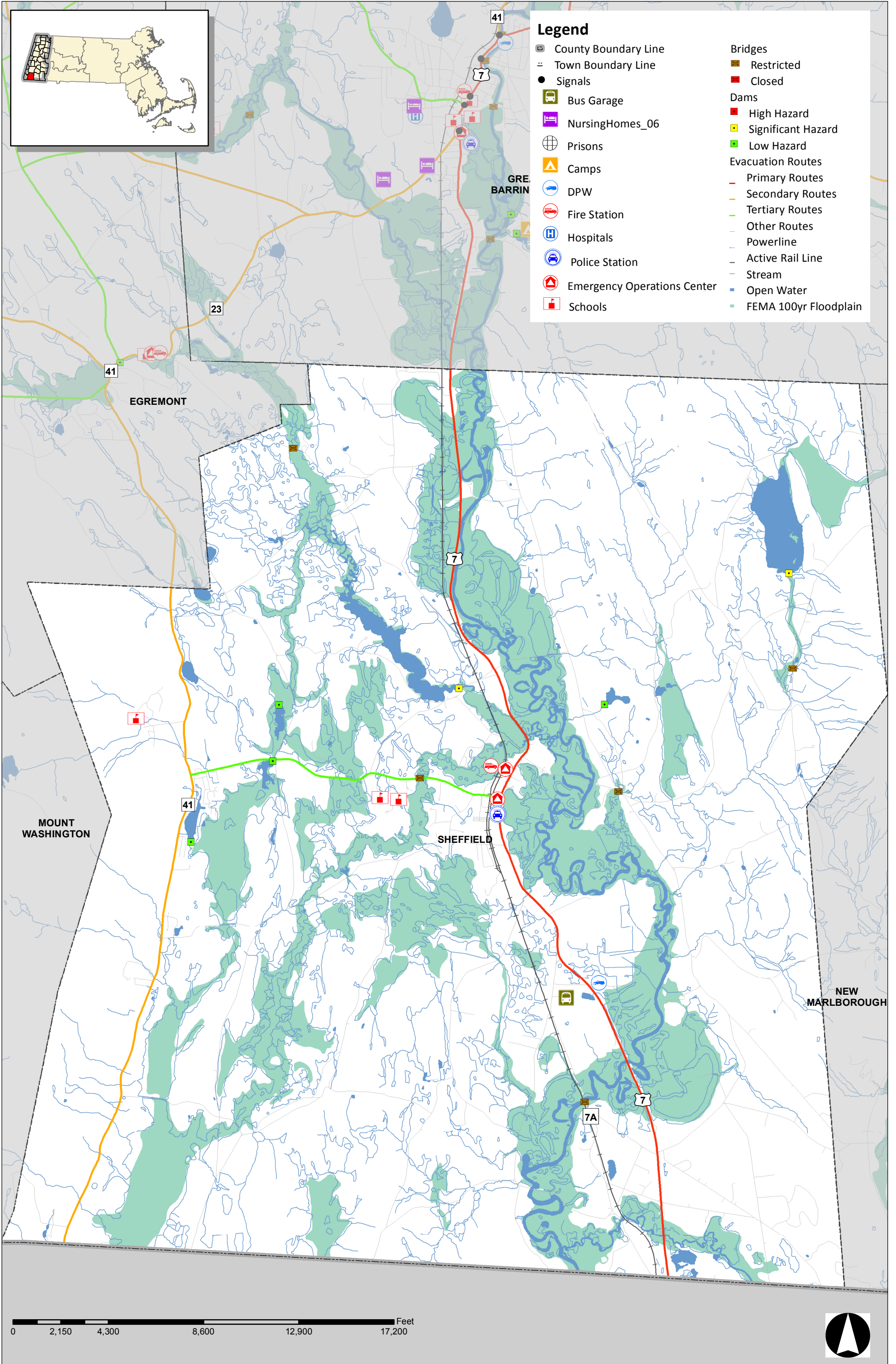
SAVOY



- Legend**
- ☐ County Boundary Line
 - ⚡ Town Boundary Line
 - Signals
 - 🚌 Bus Garage
 - 🏠 NursingHomes_06
 - 🌐 Prisons
 - 🏕 Camps
 - 🚒 DPW
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 - 🏥 Hospitals
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 - 🏫 Schools
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 - 🚧 Restricted
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 - 🏰 Dams
 - 🔴 High Hazard
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 - Primary Routes
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 - Other Routes
 - Powerline
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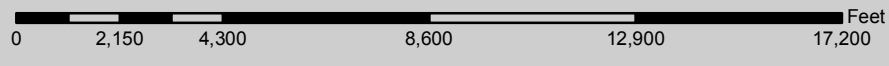
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SHEFFIELD



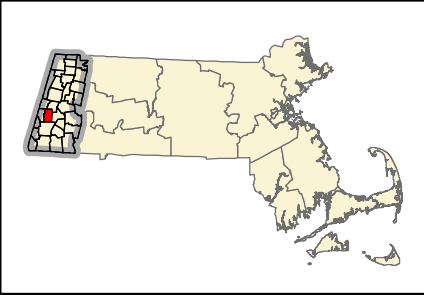
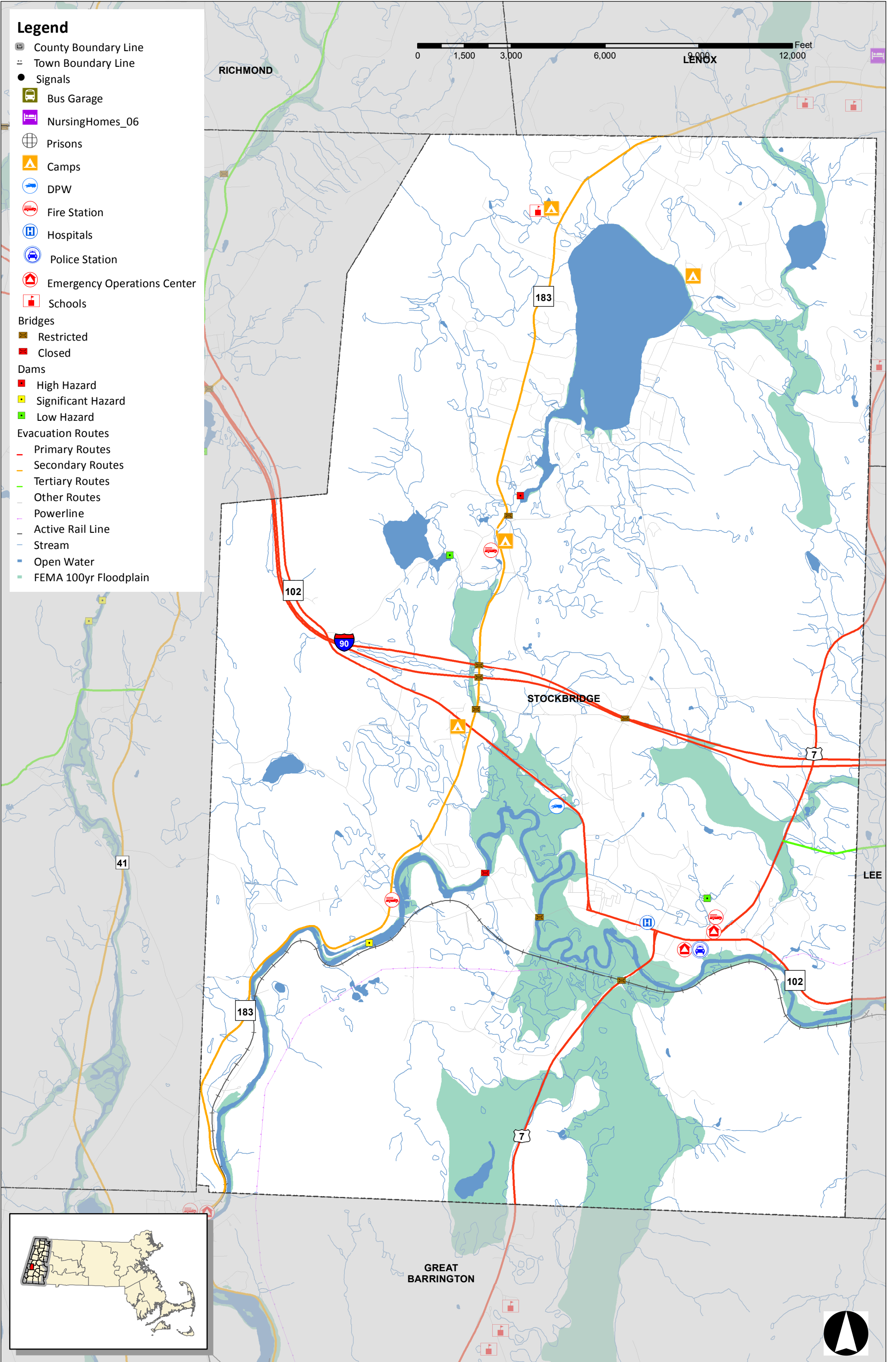
Legend

- ▬ County Boundary Line
- ▬ Town Boundary Line
- Signals
- 🚌 Bus Garage
- 🏠 NursingHomes_06
- ⚖ Prisons
- 🏕 Camps
- 👮 DPW
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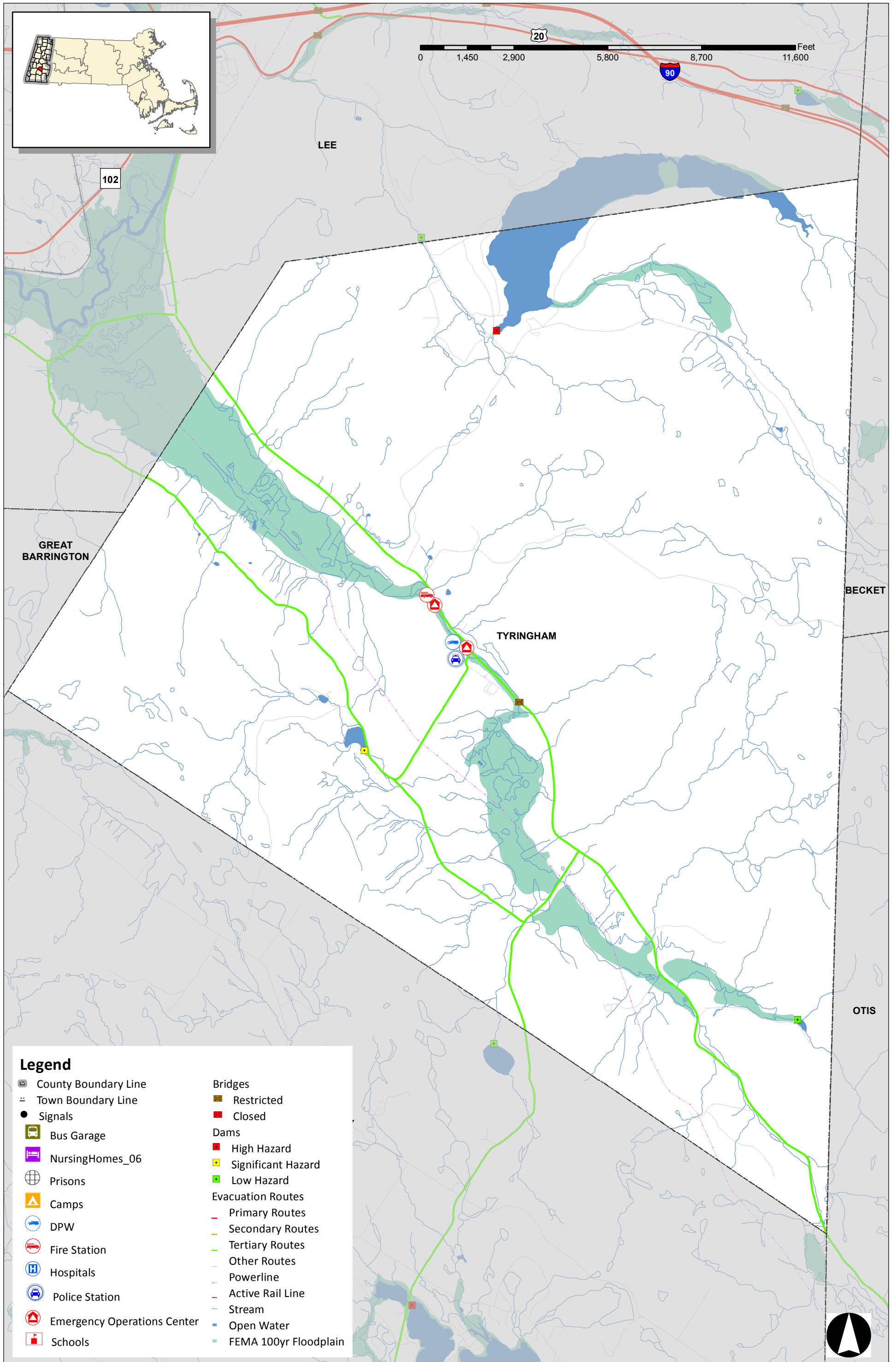
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STOCKBRIDGE



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TYRINGHAM

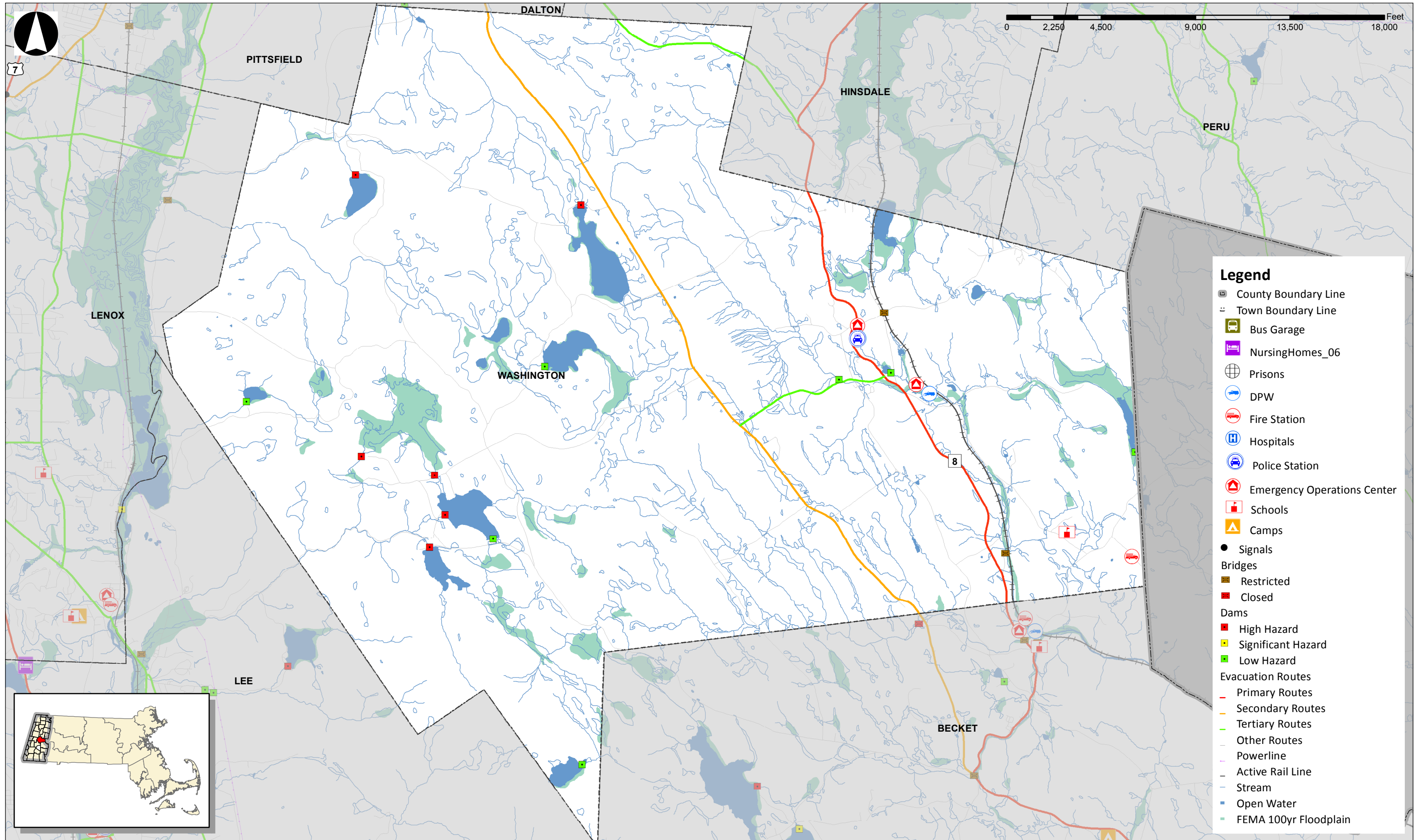


Legend

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| County Boundary Line | Bridges |
| Town Boundary Line | Restricted |
| Signals | Closed |
| Bus Garage | Dams |
| NursingHomes_06 | High Hazard |
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| | FEMA 100yr Floodplain |

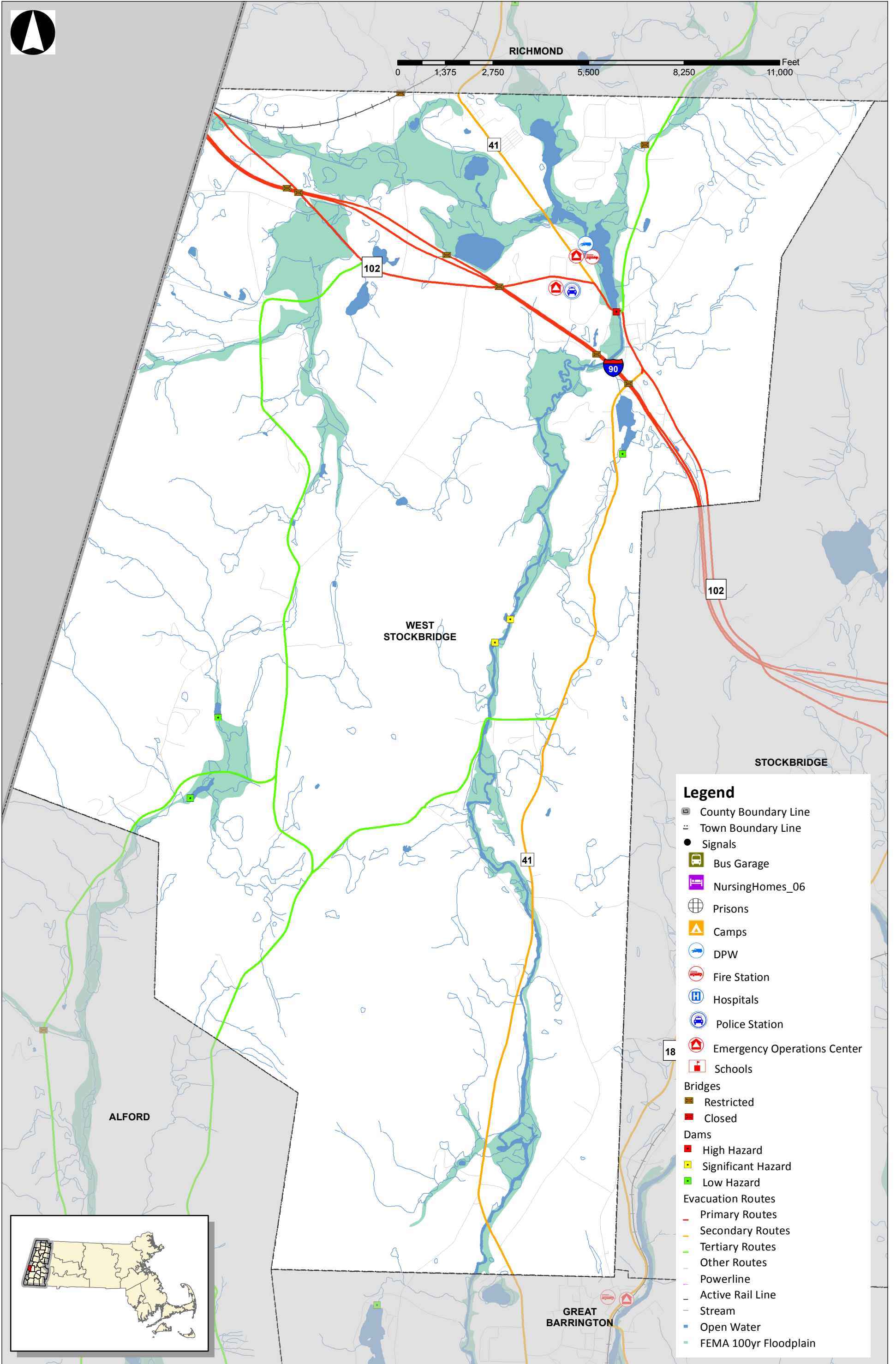
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WASHINGTON



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WEST STOCKBRIDGE

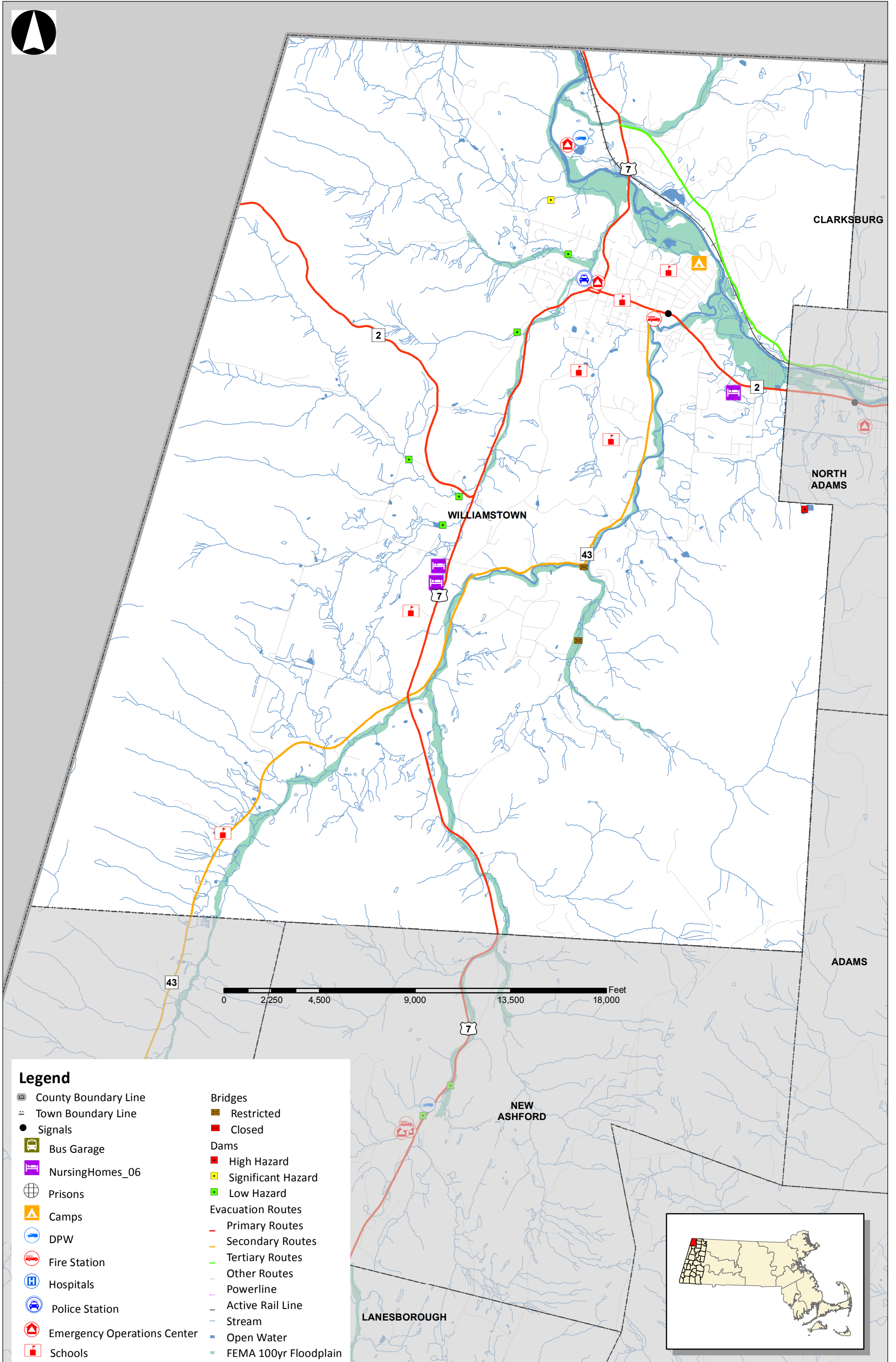


Legend

- ▬ County Boundary Line
- - - Town Boundary Line
- Signals
- 🚌 Bus Garage
- 🏠 NursingHomes_06
- ⊕ Prisons
- 🏕 Camps
- 🚒 DPW
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- Powerline
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- Stream
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- 🌊 FEMA 100yr Floodplain

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WILLIAMSTOWN

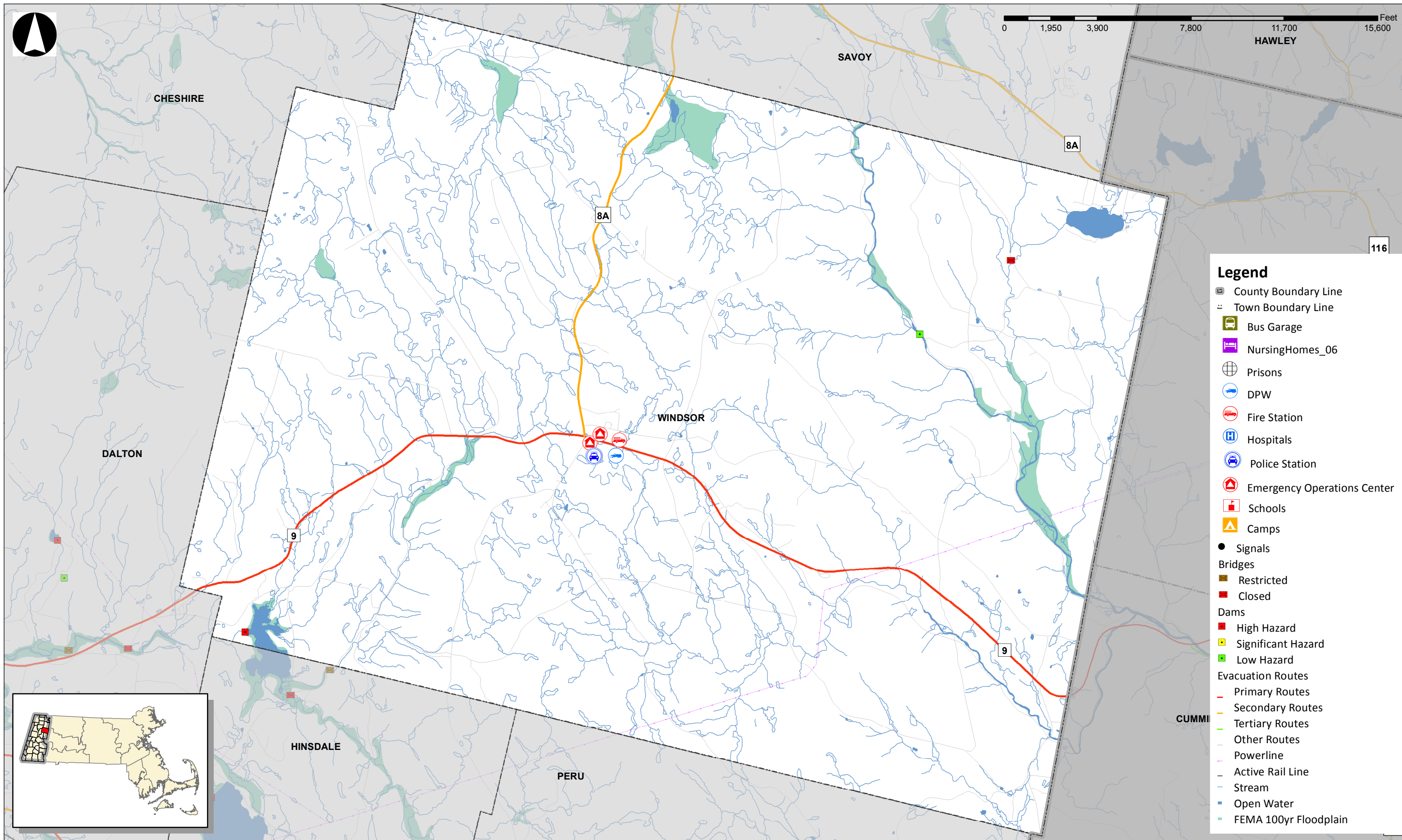


Legend

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|-----------------------------|--------------------------|
| County Boundary Line | Bridges |
| Town Boundary Line | Restricted |
| Signals | Closed |
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WINDSOR



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Population Clusters

Major Employers

There are 6 employers that have 500 or over employees in Berkshire County. They are listed in the table below. Major employers may require additional assistance in the event of an evacuation.

Town	Company	Employees
Pittsfield	Berkshire Health Systems	3,089
Pittsfield	Pittsfield School District	1,563
Pittsfield	General Dynamics	1,067
Williamstown	Williams College	1,044
Hancock	Jiminy Peak	1,000
Dalton	Crane & Company	525

Source: 2011 Major Employers Inventory from the Berkshire Comprehensive Economic Development Strategy

Hospitals

There are 3 hospitals in Berkshire County.

Town	Hospital	Beds	Address	Contact	Phone
North Adams	Northern Adams Regional Hospital	35	71 Hospital Ave.	Kathy Arabia	413-664-5000
Pittsfield	Berkshire Medical Center	306	725 North St.	Lucy Britton	413-447-2000
Great Barrington	Fairview Hospital	24	54 Castle St.	Heather Barbieri	413-528-5045

Senior Care Facilities

There are seven major senior care facilities in Berkshire County.

Town	Facility	Beds	Facility Type	Address
Lenox	Kimball Farms Retirement	48	Assisted Living	235 Walker Street
Lenox	Kimball Farms Nursing Center	81	Nursing Home	40 Sunset Avenue
Lenox	Providence Care of Lenox	76	Nursing Home	320 Pittsfield Road
North Adams	North Adams Commons	131	Nursing Home	175 Franklin Street
Pittsfield	Hillcrest Commons	72	Continuing Care Retirement Community	169 Valentine Road
Pittsfield	Mount Greylock Extended Care	110	Nursing Home	1000 North Street
Williamstown	Williamstown Commons	198	Nursing Home	25 Adams Road

Sources: Massachusetts Division of Health Care Quality, Medicare.gov, Massachusetts Executive Office of Elder Affairs

Descriptions of the different types of senior facilities are as follows:

- **Nursing homes** provide the highest level of care, with feeding, bathing, and health services. Residents will be in the greatest need of assistance during an evacuation and will likely require medical assistance.
- **Rest homes** include supportive services, such as help in preparing food or cleaning, without routine medical attention. Residents likely do not have their own transportation but also likely do not need medical assistance.
- **Assisted living and continuing care** facilities provide supportive services, including help with personal tasks and household management. While residents of these facilities do not necessarily require medical assistance, they also do not necessarily have their own transportation and often rely generally on paratransit services.
- **Continuing care** facilities combine the aspects of nursing homes, assisted living facilities, and rest homes. These facilities offer elderly individuals the ability to age in place by providing several tiers of care at a single location. These residents may have a range of varying medical, mobility, and transportation requirements.

Educational Institutions

Non-Boarding Public Schools

Students who attend non-boarding schools live at home with their families and have local transportation accommodations already provided. Because of this, these students are anticipated to evacuate with their families and not require special considerations. Berkshire County has numerous public schools.

Town	District	School Name	Address	Contact Information	Total Student Enrollment
Cheshire	Adams-Cheshire	Cheshire Elementary School	191 Church Street Cheshire	413-743-2298	267
Adams	Adams-Cheshire	Plunkett Elementary School	14 Commercial Street	413-743-0876	568
Cheshire	Adams-Cheshire	Hoosac Valley High School	125 Savoy Road	413-743-5200	668
Adams	Berkshire Arts and Technology Charter Public	Berkshire Arts and Technology Charter Public School	1 Commercial Street	413-743-7311	262
Great Barrington	Berkshire Hills	Muddy Brook Regional Elementary School	318 Monument Valley Road	413-644-2350	413
Great Barrington	Berkshire Hills	Monument Valley Regional Middle School	319 Monument Valley Road	413-644-2300	391
Great Barrington	Berkshire Hills	Monument Mountain Regional High School	600 Stockbridge Road	413-528-3346	547
Becket	Central Berkshire	Becket Washington School	12 Maple Street	413-623-8757	104
Dalton	Central Berkshire	Craneville School	71 Park Avenue	413-684-0209	462
Hinsdale	Central Berkshire	Kittredge	80 Maple Street	413-655-2525	167
Dalton	Central Berkshire	Nessacus Regional Middle School	35 Fox Road	413-684-0780	508
Dalton	Central Berkshire	Wahconah Regional High School	150 Old Windsor Road	413-684-1330	593
Clarksburg	Clarksburg	Clarksburg Elementary	77 West Cross Road	413-663-8735	187
Otis	Farmington River Region	Farmington River Elementary School	555 North Main Road	413-269-4466	144
Abbott	Florida	Abbott Memorial	56 North County Road	413-664-6023	110
Hancock	Hancock	Hancock Elementary	3830 Hancock Road	413-738-5676	48
Lanesborough	Lanesborough	Lanesborough Elementary	188 Summer Street	413-443-0027	255
Lee	Lee	Lee Elementary	310 Greylock Street	413-243-0336	355
Lee	Lee	Lee Middle/High School	300 Greylock Street	413-243-2780	466
Lenox	Lenox	Morris Elementary School	129 West Street	413-637-5570	334

Town	District	School Name	Address	Contact Information	Total Student Enrollment
Lenox	Lenox	Lenox Memorial High	197 East Street	413-637-5560	467
Williamstown	Mount Greylock	Mt Greylock Regional High School	1781 Cold Spring Road	413-458-9582	602
North Adams	North Adams	J S Sullivan Elementary School	151 Kemp Avenue	413-662-3250	265
North Adams	North Adams	Greylock Elementary School	108 Phelps Avenue	43-336-3255	247
North Adams	North Adams	Brayton Elementary School	8 Brayton Terrace	413-662-3260	467
North Adams	North Adams	Drury High School	1130 South Church Street	413-662-3240	578
North Adams	Northern Berkshire Regional Vocational Technical	Charles H. McCann Technical School	70 Hodges Crossroads	413-663-5383	474
Allendale	Pittsfield	Allendale Elementary School	180 Connecticut Avenue	413-448-9650	315
Egremont	Pittsfield	Egremont Elementary School	84 Egremont Avenue	413-448-9655	488
Pittsfield	Pittsfield	Morningside Community School	100 Burbank Street	413-448-9690	408
Pittsfield	Pittsfield	John C. Crosby Elementary School	517 West Street	413-448-9670	384
Pittsfield	Pittsfield	Stearns Elementary School	75 Lebanon Avenue	413-499-9554	247
Pittsfield	Pittsfield	Williams Elementary School	50 Bushey Road	413-448-9680	322
Pittsfield	Pittsfield	Silvio O Conte Community School	200 West Union Street	413-448-9660	403
Pittsfield	Pittsfield	John T Reid Middle School	950 North Street	413-448-9620	617
Pittsfield	Pittsfield	Theodore Herberg Middle School	501 Pomeroy Avenue	413-448-9640	635
Pittsfield	Pittsfield	Pittsfield High School	300 East Street	413-499-9535	976
Pittsfield	Pittsfield	Taconic High School	96 Valentine Road	413-448-9600	921
Richmond	Richmond	Richmond Consolidated School	1831 State Road	413-698-2207	166
Savoy	Savoy	Savoy Elementary School	26 Chapel Road Savoy	413-743-1992	39
Sheffield	Southern Berkshire	Monterey School	491 Berkshire School Road	413-229-9754	11
Sheffield	Southern Berkshire	New Marlborough Central School	44 Hartsville Mill River Road Mill River	413-229-8867	75
Great Barrington	Southern Berkshire	South Egremont School	Main Street North Egremont	413-528-1430	19
Sheffield	Southern Berkshire	Undermountain Elementary School	491 Berkshire School Road	413-229-8754	369
Sheffield	Southern Berkshire	Mount Everett Regional High School	491 Berkshire School Road	413-229-8734	396
Williamstown	Williamstown	Williamstown Elementary	115 Church Street	413-458-5707	407

Non-Boarding Private Schools

There are numerous private schools in Berkshire County, that vast majority of which are day schools.

Town	Name of School	Address	Contact Information
Lenox	Berkshire Christian Schools	P.O. Box 1980	413-637-2474
Lenox	Berkshire CountryDay School	P.O. Box 87	413-637-0755 ext. 24
Pittsfield	Berkshire Hills SDA School	P.O. Box 2959	413-443-7777
Housatonic	Berkshire Meadows	249 North Plain Road	413-528-2523
Pittsfield	Brookside School		413-528-0535
Lee	Frontline Church School	160 High Street	413-243-2673
Lenox	Great Barrington Rudolf Steiner	38 West Plain Road	413-528-4015
Pittsfield	Housatonic Academy	788 South Street	413-443-2367 ext. 11
Great Barrington	John Dewey Academy	389 Main Street	413-528-9800
North Adams	Mt Greylock Christian Academy	P.O. Box 922	413-662-2107
Williamstown	Pine Cobble School	163 Gale Road	413-458-4680
Dalton	St Anges School	30 Carson Avenue	413-684-3143
Pittsfield	St Joseph Central High School	22 Maplewood Avenue	413-447-9121
Pittsfield	St Mark School	400 Columbus Ave, Suite 1	413-442-6040
Lee	St Mary's School	115 Orchard Street	413-243-1079
Adams	St Stanislaus Kostka School	108 Summer Street	413-743-1091
Pittsfield	The Center School	788 South Street	413-637-2834
Lenox	The Montessori School of the Berkshires	55 Pittsfield Road	413-637-3662 ext. 102

Boarding Private Schools

Students at boarding schools (as asterisked) reside at the school while classes are in session and do not have access to personal transportation. These students will require mass transportation options during an evacuation. In addition, during an evacuation of one of these schools, the school should contact the families of all students.

Town	Name of School	Address	Contact Information
Sheffield	Berkshire School*	245 North Undermountain Road	413-229-8511
Williamstown	Buxton School*	291 South Street	413-458-4848
Great Barrington	Eagleton School*	446 Monterey Road	413-528-4385 ext. 104
Pittsfield	Miss Hall's School*	P.O. Box 1166	413-395-7052
Lenox	High Point School*	242 West Mountain Road	413-637-2845

Colleges and Universities

There are four higher educational institutions in Berkshire County.

Town	College or University	Students Living On Campus	Live Off Campus	Evacuation Plan Location	Contact Information
Great Barrington	Bard College at Simon's Rock	400	-	Will relocate students on campus, need to develop an evacuation plan for larger incidents.	Ken Geremina 413-528-7680
North Adams	Massachusetts College of Liberal Arts	1,000	600	Students and Faculty are sent home	Joe Charon 413-662-5282
Pittsfield	Berkshire Community College	-	2,287	Unknown	413-499-4660
Williamstown	Williams College	2,173	-	Go to the Field House Facility on Campus	David Boyer 413-597-4123

Camps

There are a variety of camps located in Berkshire County for children and adolescents. Campers at stay-over camps are dropped off by their parents or guardians and do not have immediate personal access to transportation, and will require mass transportation options during an evacuation. In addition, during an evacuation of a camp, it is critical that the individual camping contact the families of all campers to notify them.

Town	Camp Name	Address	Contact Information	Average Number of Attendees	Ages	Program Dates
Lenox	Berkshire Botanical Gardens	5 West Stockbridge Rd.	Judy 413-298-3926	13	5-13	July & August
Pittsfield	Berkshire Museum Summer Day Camps	39 South St	Brian Warner 413-443-7171 ext. 16	20	6-12	7/4 – Mid August
Hinsdale	Camp Ashmere	822 Peru Road	Greg Farell 413-655-2650	35	7-18	2 nd week of July – Mid August
Becket	Camp Becket-Chimney Corners (YMCA)	748 Hamilton Road	Phil O'Conner 413-623-8991	300+	7-16	Mid June – End Aug.
Peru	Camp Danbee	Route 143	Director 413-655-8115	300	7-15	Mid June – End Aug.
Hinsdale	Camp Emerson	212 Longview Avenue	Jake 800-782-3395 413-655-8123	200	8-15	End June – Early Aug.
Pittsfield	Camp Fox Hill	100 Dan Fox Drive	Tereasa Houghtaling 413-499-4600	45-50	5-15	End of June – End of Aug.
Becket	Camp Greylock	1525 Main Street	Tom Austin 413-623-8921	500+	7-18	End June – Early Aug
Lenox	Camp Mah-Kee-Nac	6 Hawthorne Road	Walter 800-753-9118 201-400-8831	180	7-15	Late June – Mid Aug
Richmond	Camp Russell on Richmond Shores	Pittsfield / Boys Club Road on Richmond Pond	Peter Bell 413-448-8258	300 daily	4-18	End of June – Mid August
Hinsdale	Camp Taconic	770 New Windsor Road	Mark Transport or Jill Kleinman 516-946-4244 201-914-5586	700	7-16	End of June – Middle of August
Pittsfield	Camp Winadu	700 Churchill Street	Arlene Weiner 413-447-8900	350-400	6-16	Full Summer
Pittsfield	Catholic Youth Center	26 Melville Street	Jason K. / Jodie Astori-Davin 413-445-5496	45-50 p/day	3-13	Late June – End August
Pittsfield	Gladys Allen Brigham Community Center	165 East Street	Kelly Marian 413-442-5174 ext. 13	70 p/week	5-14	Mid July – Mid August
Stockbridge	IS183 Art School of the Berkshires	13 Willard Hill Road	Amy Butterworth 413-298-5252 ext. 100	65	3-15	End June – Early Aug.
Lenox	Montessori School of the Berkshires	21 Patterson Road	Todd Covert 413-637-3662	30	3-9	Early July – Aug.
Great Barrington	Rudolf Steiner School	35 West Plain Road	Mark Eurich 413-528-4015 ext. 151	40-65	4-15	Late June – Mid August
Lenox	Shakespeare & Company	70 Kemble Street	Catherine Wheeler 413-637-1199 ext 140	500+	5-18	Late June – Mid Aug

Prisons/Correctional Facilities

There is one inmate facility in Berkshire County. Evacuation of this facility will require additional care to ensure that inmates do not escape. Police enforcement and prison transportation services will need to be employed for this purpose.

Town	Facility	Inmates	Address	Phone
Pittsfield	Berkshire County Jail and House of Correction	500	467 Cheshire Road	413-443-7220

Source: Website of the Berkshire County Sherriff's Office

Natural Features

The following link has a list of natural features possibly relevant to evacuations in Berkshire County. More information about these natural features can be found in the Hazard Mitigation Plan for Berkshire County, accessible at:

<http://www.berkshireplanning.org/regional/HazardMitigation.html>

Floods

Due to the nature of our streams and rivers, flooding tends to be more localized; however larger scale flooding does occur along the Housatonic and Hoosic, especially in Sheffield.

Critical Infrastructure

The following sections identify hazards associated with critical infrastructure during an evacuation.

Critical infrastructure of the water and energy sectors is currently being studied through a project called the Fusion Center, funded by the Western Massachusetts Homeland Security Advisory Council. The project is examining vulnerabilities that exist to critical infrastructure in the region and which effect emergency response efforts. The purpose of this project is to improve emergency planning in the region by identifying vulnerabilities and making recommendations on how to make facilities safer and more secure.

Closed Bridges

Town	Road	Crosses Over
Becket	Brooker Hill	Shaker Mill Brook
Clarksburg	East Road	Unnamed Brook
Dalton	Cleveland Road	Wahconah Brook
Hinsdale	Old Windsor	Cady Brook
Lanesborough	Miner Road	Town Brook
Lee	Meadow Street	Power Mill Brook
New Marlborough	Hadsell Street	Konkapot River
New Marlborough	Hadsell Street	Umpachene River
Peru	Parish Road	Trout Brook
Pittsfield	Keeler Street	Housatonic River
Plainfield	Liberty Street	Mill River
Richmond	Summit Road	CSX Railroad
Sandisfield	Alan Road	Farmington River
Stockbridge	Butler Road	Housatonic River
Windsor	Windsor Bush	Phelps Brook

Source: MASSDOT Inventory of Closed Bridges (6/14/12)

Bridges with Restrictions

All bridges with a span greater than 20 feet throughout the state undergo routine structural inspection. Using a rating system developed by the American Association of State Highway and Transportation Officials (AASHTO), MassDOT has surveyed and rated the state's bridges.

The MassDOT process identifies bridges that are structurally deficient and functionally obsolete. Bridges that are closed or have weight restrictions are listed below.

Caution should be used for the transport of trucks and other heavy vehicles on restricted bridges.

Town Name	Road	Crosses Over
Adams	East Rd	Tophet Brook
Alford	Alford Rd	Alford Brook
Alford	West Rd	Scribner Brook
Becket	Main St	Yokum Pond Brook
Becket	Bonie Rig HL	Shaker Mill Brook
Becket	Maple St	Westfield River
Becket	Wrdsn Otis Road	Interstate 90
Becket	Johnson Rd	Interstate 90
Cheshire	Sand Mill Rd	Dry Brook
Clarksburg	Middle Rd	Hudson Brook
Clarksburg	Cross Rd	Hudson Brook
Dalton	South St	Housatonic River
Dalton	Housatonic	Housatonic River
Dalton	Orchard Rd	Housatonic River
Dalton	Holiday Rd	Wahconah Brook
Dalton	CSX Railroad	East St
Dalton	CSX Railroad	South St
Egremont	Boice Rd	Green River
Florida	County Rd	Cold River
Great Barrington	RR HRR	Taconic Ave
Great Barrington	RR HRR	Plain Rd
Great Barrington	RR HRR	Park St
Great Barrington	RR HRR	Drive to Mill
Great Barrington	Division St	Williams River
Great Barrington	Division St	Housatonic River
Great Barrington	Cottage St	Housatonic River
Great Barrington	Bridge St	Housatonic River
Great Barrington	Brookside Rd	Housatonic River
Great Barrington	Seekonk Cross	Green River
Great Barrington	State Rd	Housatonic River
Hinsdale	Old Windsor	Windsor Brook
Hinsdale	CSX Railroad	Old Dalton Road
Hinsdale	Middlefield Road	Bennett Brook
Lanesborough	Bridge St	Town Brook

Town Name	Road	Crosses Over
Lee	Meadow St	Housatonic River
Lee	Washington Mountain Rd	Washington Mountain Brook
Lee	HRR Railroad	Drive to Mill
Lee	Chapel St	Greenwater Brook
Lee	Stockbridge Rd	Interstate 90
Lee	Marble St	Interstate 90
Lee	Interstate 90 Eastbound	Highway West Rd
Lee	Interstate 90 Westbound	Highway West Rd
Lee	US 20 Ramp	Housatonic St
Lee	Maple St	Interstate 90
Lee	Interstate 90 Eastbound	Chestnut St
Lee	Interstate 90 Westbound	Chestnut St
Lenox	Roring Brook Road	Roaring Brook
Monterey	Curtis Road	Konkapot River
Monterey	Beartown Mountain	Loom Brook
Monterey	New Marlboro	Harmon Brook
Monterey	Wellman Rd	Rawson Brook
Mt Washington	West St	Wright Brook
New Marlborough	Lambert Cross Rd	Umpachene River
New Marlborough	East Hill Rd	York Lake Spillway
North Adams	Brown St	Hoosic River
North Adams	Beaver St	Hoosic River
North Adams	BMRR Railroad	Church St
North Adams	BMRR Railroad	Ashland St
North Adams	BMRR Railroad	Roberts Drive
North Adams	Church St	Phillips Creek
North Adams	Veterans Memorial Drive	Hoosic River
North Adams	BMRR Railroad	Demond Ave
Otis	Tannery Rd	Farmington River
Otis	Old Spring Rd	Miner Brook
Otis	Gibbs Rd	Dimmock Brook
Pittsfield	HRR Railroad	Housatonic River
Pittsfield	CSX Railroad	Hubbard Ave
Pittsfield	CSX Railroad	Fourth St
Pittsfield	CSX Railroad	Mill St
Pittsfield	CSX Railroad	Jason St
Pittsfield	CSX Railroad	Fort Hill Ave
Pittsfield	Mill St	Housatonic River
Pittsfield	Lakeway Drive	Onota Lake
Pittsfield	HRR Railroad	Utility Drive
Pittsfield	Government D	Center St
Richmond	CSX Railroad	West Rd
Sandisfield	Sandisfield Road	Buck River
Sandisfield	Sandisfield Road	Farmington River

Town Name	Road	Crosses Over
Sandisfield	Clark Rd Exit	Farmington River
Sandisfield	Fox Rd	Silver Brook
Sandisfield	Beech Plain	Clam River
Sandisfield	Sandy Brook	Riiska Bridge
Sandisfield	Fox Rd	Silver Brook Bridge
Sandisfield	Elk Rd	Silver Brook Bridge
Savoy	Brier Rd	Black Brook
Sheffield	Ashley Falls	Housatonic River
Sheffield	County Rd	Ironworks Brook
Sheffield	Kelsey Rd	Schenob Brook
Sheffield	Egremont Rd	Hubbard Brook
Sheffield	Berkshire School	Schenob Brook
Sheffield	County Rd	Ironworks Brook
Stockbridge	Glendale Mdl	Housatonic River
Stockbridge	South St	HRR Railroad
Stockbridge	Glendale Rd	Larrywaug Brook
Stockbridge	I 90 EB	Interlaken Rd
Stockbridge	I 90 WB	Interlaken Rd
Stockbridge	Prospect HI Rd	Interstate 90
Stockbridge	Interlaken Cross	Larrywaug Brook
Tyringham	Main Road	Hop Brook
W Stockbridge	Cone Hill Road	Cone Brook
Washington	Summit Hill Road	CSX Railroad
Washington	Lower Sargent	Depot Brook
Washington	Lower Valley	Depot Brook
Washington	CSX Railroad	Valley Rd
West Stockbridge	CSX Railroad	Dean Hill Rd
West Stockbridge	Interstate 90 Eastbound	Moscow St
West Stockbridge	Interstate 90 Westbound	Moscow St
West Stockbridge	Great Barrington	Interstate 90
West Stockbridge	Interstate 90 Eastbound	Albany St
West Stockbridge	Interstate 90 Westbound	Albany St
West Stockbridge	Baker St	Interstate 90 Eastbound
West Stockbridge	Albany St	Interstate 90
Williamstown	Hopper Rd	Green River
Williamstown	Hopper Rd	Hopper Brook

Source: MassDOT Inventory of Bridges with Restrictions (6/12/12)

Culverts

Culverts are any sewer or drain crossing under a road or embankment that is less than 20 feet. More information on identified problem culverts can be found in the Hazard Mitigation plans for individual towns in western Massachusetts.

Dams

According to the Office of Dam Safety:

Poor condition indicates a dam with major structural, operational, maintenance and flood routing capability deficiencies...Unsafe condition indicates a dam whose condition, as determined by the Commissioner, is such that a high risk of failure exists.

Among the deficiencies which would result in this determination are:

- Excessive seepage or piping
- Significant erosion problems
- Inadequate spillway capacity and/or condition of outlet(s)
- Serious structural deficiencies including movement of the structure or major cracking

Condition of Dams in Berkshire County

Town	Dam Name	Condition
Adams	Fisk Brook Dam	Unsafe
Becket	Center Pond Dam	Poor
Cheshire	Cheshire Harbor	Poor
Cheshire	Cheshire Lake / Res. Dam	Poor
Cheshire	Thunder Brook Dam	Poor
Dalton	Hathaway District Dam	Poor
Egremont	Prospect Lake Dam	Poor
Great Barrington	Benedict Pond Dam	Poor / Unsafe
Great Barrington	East Mt. Reservoir Dam	Poor
Great Barrington	Round Pond Dam	Poor
Lee	Middle Reservoir Dam	Poor
Monterey	Steadman Pond (Hudson Trout Dam)	Poor
N. Adams	Notch Reservoir Dam	Poor
N. Adams	Tunnel Brook Dam	Poor
N. Adams	Windsor Lake Dam	Poor
New Ashford	Kearsey Pond Dam	Unsafe
New Marlborough	Gleason Pond Dam	Poor
New Marlborough	Trout Pond Dam	Poor
Otis	Hayden Pond Dam	Unsafe
Otis	The Creek Dam (Watson Pond)	Poor
Pittsfield	Bel Air Dam	Unsafe
Pittsfield	Tel Electric Pond Dam	Poor
Savoy	Burnett Pond Dam	Poor
Savoy	Parry Pond Dam	Poor
Stockbridge	Echo Lake or Lake Averic	Unsafe
Stockbridge	Lakin Pond Dam	Poor
Washington	Coles Brook Pond Dam	Poor
Washington	Finerty Pond Dam	Poor
Williamstown	Haley Pond Dam	Poor
Williamstown	Lower Hopkins Pond Dam	Poor

Source: Berkshire County Hazard Mitigation Plan 2012

Power Plants

There is one power plant located in Berkshire County.

The majority of the county's electricity needs come from external sources, both within the region and state. Information on these power plants can be found in other chapters of this plan.

Town	Power Plant	Address	Contact Information
Pittsfield	Pittsfield Generating	235 Merrill Road Pittsfield	413-442-6905

Major Roads

Name	Towns	Bridges with Restrictions
Route 7	Sheffield Great Barrington Stockbridge Lenox Pittsfield Williamstown	Sheffield, Ashley Falls Road over Housatonic River Stockbridge, South Street over HRR Railroad Great Barrington, State Street over Housatonic River
Route 8	Sandisfield Otis Becket Hinsdale Dalton Pittsfield Adams North Adams Clarksburg	Becket over Main Street Route 8A, Church Street over Phillips Creek Beaver Street over Hoosic River
Route 9	Pittsfield Dalton Windsor	
Route 20	Pittsfield Lenox Lee Becket	US 20 Ramp over Housatonic St Chapel Street over Greenwater Brook
Interstate 90	West Stockbridge Lee Stockbridge	Stockbridge, over Interlaken Road West Stockbridge over Moscow St West Stockbridge over Albany St Lee, over Highway West Road Lee, over Chestnut Street
Route 41	Sheffield Egremont Great Barrington West Stockbridge Richmond Pittsfield	West Stockbridge, Great Barrington Road over Interstate 90
Route 43	Hancock Williamstown	
Route 57	Monterey New Marlborough Sandisfield	Sandisfield, Sandisfield Road over Buck River Sandisfield, Sandisfield Road over Farmington River
Route 71	Great Barrington	
Route 116	Savoy Adams	
Route 143	Hinsdale Peru Worthington West Chesterfield	
Route 183	Lenox Stockbridge Great Barrington Monterey New Marlborough Sandisfield	Sandisfield, Sandy Brook Road over Riiska Bridge Glendale Road over Larrywaug Brook Interlaken Cross over Larrywaug Brook

Traffic Congestion and Identified Bottlenecks

The Federal Highway Administration (FHWA) defines a congestion bottleneck as “A localized section of highway that experiences reduced speeds and inherent delays due to a recurring operational influence or a nonrecurring impacting event”. If congestion occurs along an entire corridor, then the corridor is considered congested. Likewise, if the corridor is experiencing congestion only at a specific location, then the corridor is considered a congestion bottleneck. Berkshire County’s major traffic congestion points are located as follows.

Town	Congestion Point
Adams	Route 8 / Friend St
Adams	Route 8 / Route 116
Cheshire	Route 8 / Church St
Cheshire	Route 8 / Lanesborough Road
Dalton	Main Street / North Street
Dalton	Main Street / South Street
Dalton	South Street/ Dalton Division Road
Egremont	Main Street
Great Barrington	Main Street / Maple Avenue
Great Barrington	Main Street / Railroad Street
Great Barrington	Main Street / Taconic Avenue
Great Barrington	State Road / Main Street
Great Barrington	Stockbridge Road / State Road
Lanesborough	Route 7 / Summer St
Lee	Main Street / Laurel Street
Lee	Main Street Park Street
Lee	Park Street / Housatonic Street
Lenox	Lenox Pittsfield Road / Holmes Road
Lenox	Lenox Pittsfield Road / New Lenox Road
Lenox	West Street / Main Street
North Adams	Eagle Street / Route 2
North Adams	Main Street / Hadley Overpass
North Adams	Marshall St / River ST
North Adams	Mohawk Trail / Beaver St
North Adams	Route 8 / Hodges Cross Road
Pittsfield	Dalton Ave / First Street
Pittsfield	Dalton Ave / Merrill Road / Cheshire Road
Pittsfield	East Street / Elm Street
Pittsfield	East Street / First Street
Pittsfield	North Street / Crane Avenue
Pittsfield	North Street / Wahconah Street

Town	Congestion Point
Pittsfield	Park Square
Pittsfield	South Street / Crofut Street
Pittsfield	South Street / West Housatonic Street
Pittsfield	South Street / Dan Fox Drive
Pittsfield	West Housatonic Street / Barker Road
Pittsfield	Williams Street / East New Lenox Road
Pittsfield	Williams Street / Elm Street
Pittsfield	Williams Street / Holmes Road
Stockbridge	Main Street / East Street
Stockbridge	Main Street / Great Barrington Road
Stockbridge	Route 102 / Route 183
West Stockbridge	Main Street / Great Barrington Road
West Stockbridge	Main Street / Swamp Road
Williamstown	Route 7 / North Hoosac Road
Williamstown	Route 7 / Route 43
Williamstown	Route 7 / Taconic Trail
Williamstown	Route 2 / Main Street
Williamstown	Route 7 / Route 2
Windsor	Route 9 / Route 8A

Source: Berkshire County Planning Commission

Transportation Options

There is a limited variety of transportation options available for moving people during a mass evacuation. Unless organizations have their own fleet of vans and buses most entities contract with Dufour Tours.

The following transportation company should be contacted to determine the options they can provide during an evacuation.

School Busses

Town	Company	Location	Contact Information
Hinsdale	Dufour Tours Berkshire County School Buses	133 South Street	413-655-8122
Sheffield	Massini Bus Company	199 Ashley Falls Road	413-229-7962

Transit Authority

Town	Company	Location	Contact Information
Pittsfield	Berkshire Regional Transit Authority	67 Downing Industrial Parkway	413-499-2782

Commercial Busing Companies

Town	Company	Location	Contact Information
Hinsdale	Defour Tours	133 South Street	413-655-8122

Scenarios that May Impact the County

College Graduations

The numerous colleges and universities in Berkshire County all have graduations during the middle of May. During these events, there are a large number of out of town visitors in the county, specifically concentrated in the Northern Berkshire region. The majority of these visitors have cars. However, during an impact they will have an impact on transportation infrastructure's capacity.

Institution	Location of Institution	Approximate Number of Graduates	Approximate Date
Williams College	Williamstown	550	Mid May
Massachusetts College of Liberal Arts	North Adams	400	Mid May

Events throughout Berkshire County

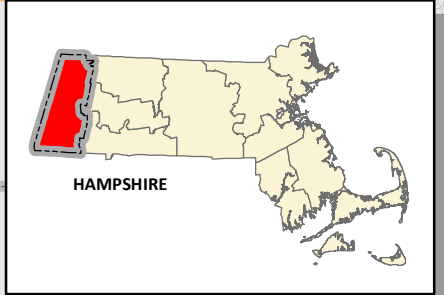
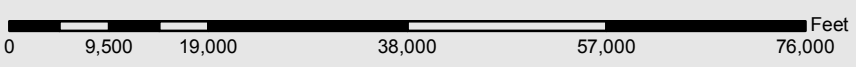
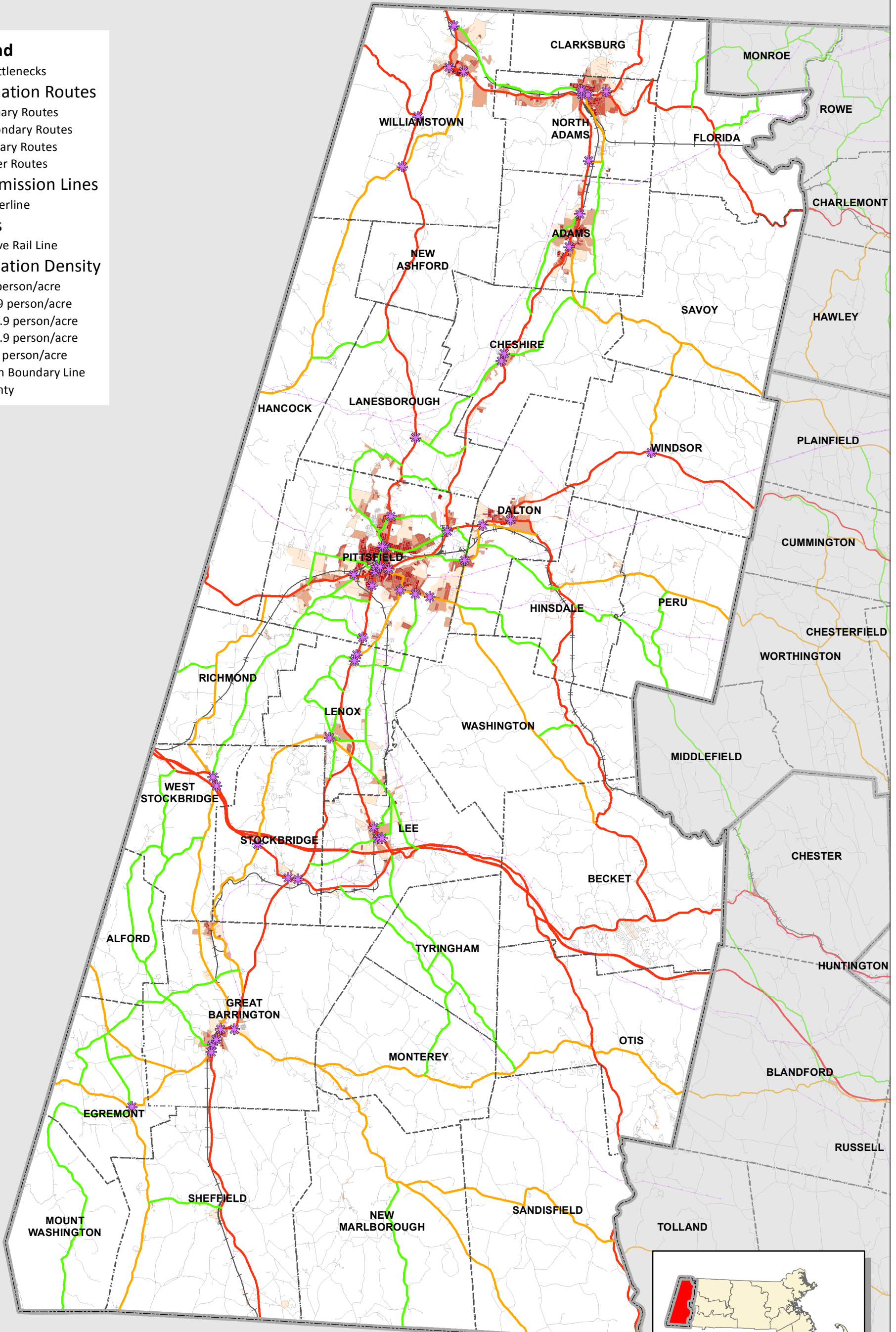
Berkshire County draws a large number of tourists throughout the summer and fall months. Events drawing large crowds include Tanglewood in Lenox as well as various parades and street fairs in Pittsfield and North Adams.

BERKSHIRE COUNTY POPULATION DENSITY



Legend

- Bottlenecks
- Evacuation Routes**
 - Primary Routes
 - Secondary Routes
 - Tertiary Routes
 - Other Routes
- Transmission Lines**
 - Powerline
- Trains**
 - Active Rail Line
- Population Density**
 - < 1 person/acre
 - 1-1.9 person/acre
 - 2 - 4.9 person/acre
 - 5 - 9.9 person/acre
 - > 10 person/acre
- Town Boundary Line
- County

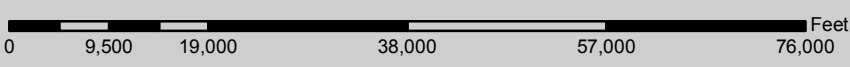
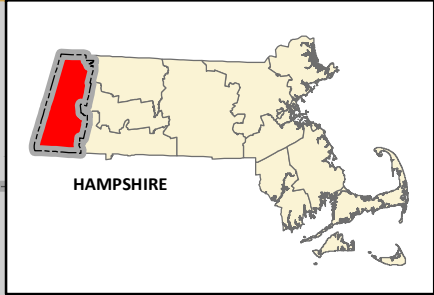
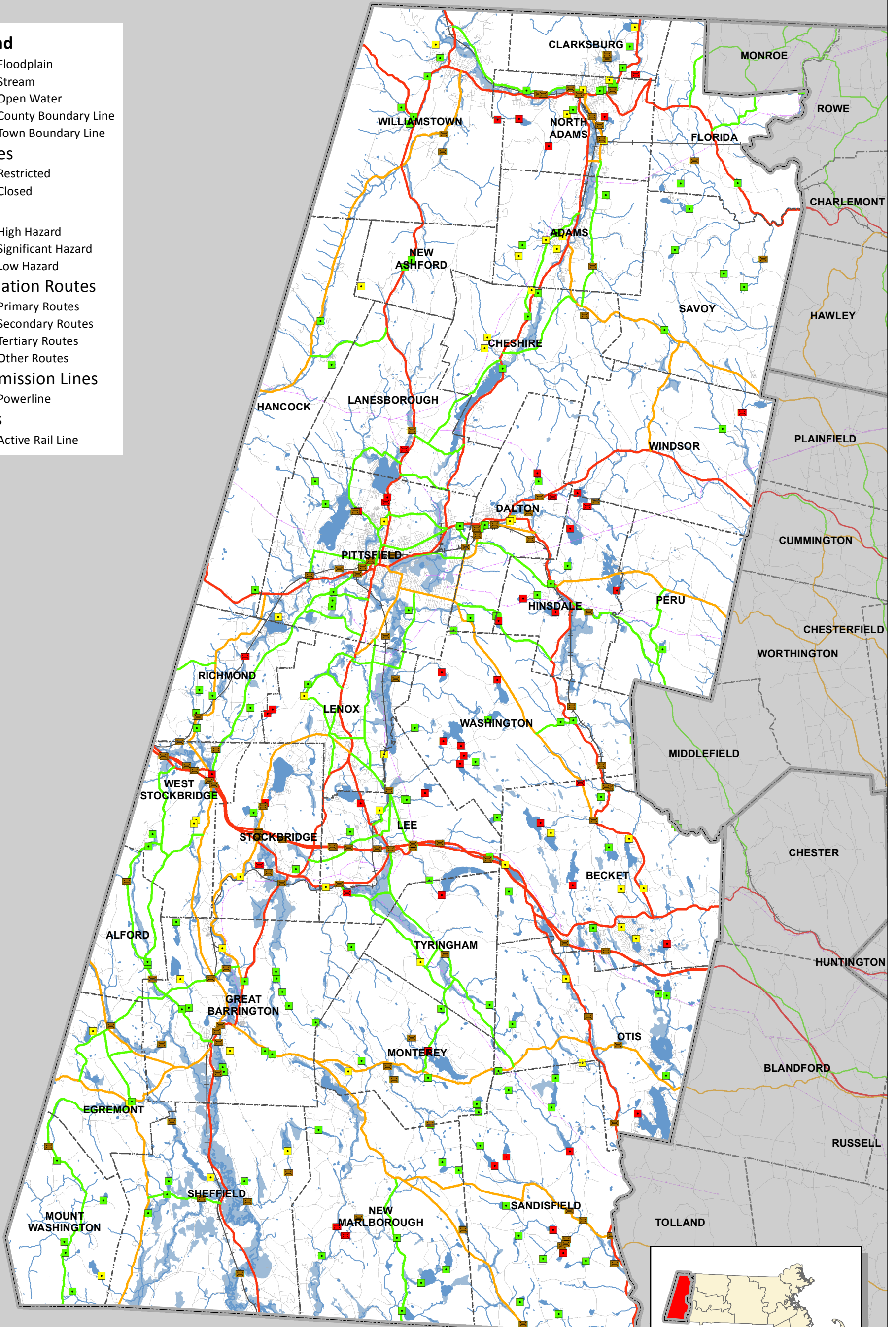


BERKSHIRE COUNTY WATER HAZARD



Legend

- Floodplain
- Stream
- Open Water
- County Boundary Line
- Town Boundary Line
- Bridges**
- Restricted
- Closed
- Dams**
- High Hazard
- Significant Hazard
- Low Hazard
- Evacuation Routes**
- Primary Routes
- Secondary Routes
- Tertiary Routes
- Other Routes
- Transmission Lines**
- Powerline
- Trains**
- Active Rail Line



FRANKLIN COUNTY RESOURCES

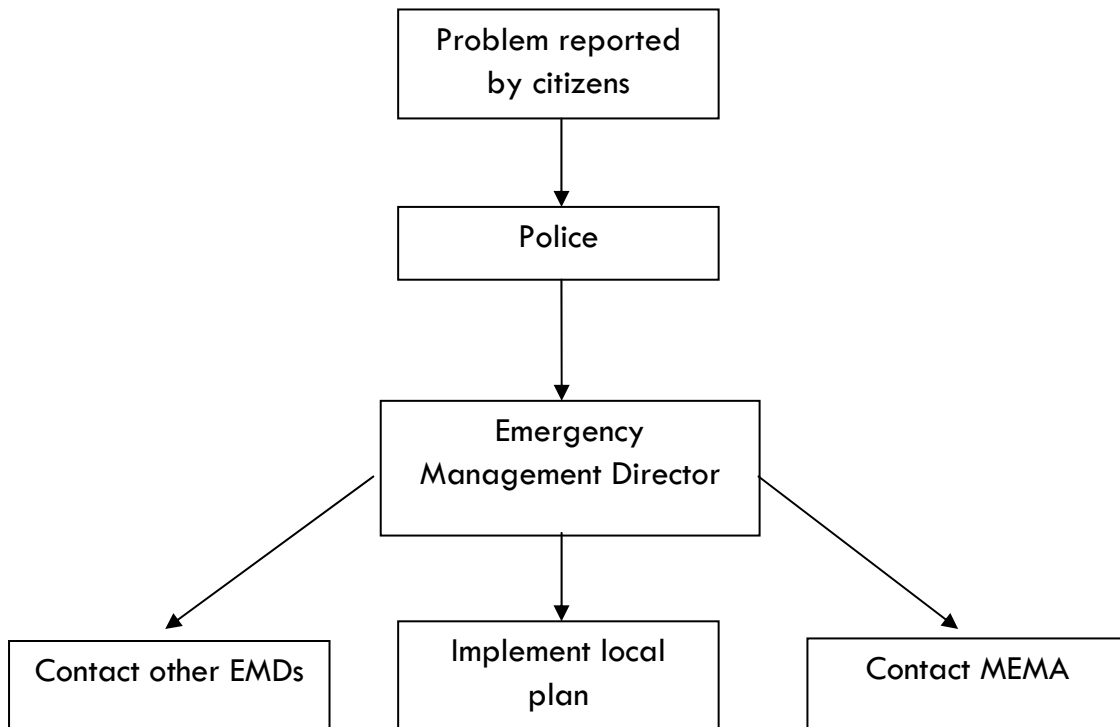
Initiating the Evacuation

Chain of Command

If the emergency is declared by MEMA or FEMA, the procedure for chain of command will follow a top-down approach. In this case, MEMA will be responsible for contacting individual EMDs, who will then take the necessary steps to respond to the disaster in their respective communities.

If the disaster or emergency situation is reported by a local community or citizen, the chain of command will follow a bottom-up reporting approach. In this case, the following flow chart describes the contact procedures that will be followed.

1. Problem is reported by citizen to police
2. Police take necessary initial steps in response to disaster and contact emergency management director
3. Emergency management director takes necessary steps and contacts EMDs in surrounding towns, implements local emergency plan, and contacts MEMA



Municipal Contact Information

Town	EMD Contact	EMD Phone	Police Chief	Police Phone	Fire Chief	Fire Phone
Ashfield	Doug Field	413-628-4441	Patrick Droney	413-628-4441 x1	Del Haskins	413-628-4441 x2
Bernardston	Peter Shedd	413-648-9757	James Palmeri	413-648-9208	Peter Shedd	413-648-9757
Buckland	Arthur Phillips	413-625-6734	James Hicks	413-625-8200*	Herb Guyette Rick Bardwell (Shelburne Falls)	413-625-2302 413-625-6392
Charlemont	Michael Walsh	413-625-6272	Jared Bellows	413-625-8200*	Kenneth Hall	413-625-8200*
Colrain	Jack Covalick	413-624-3238	Jason Haskins	413-625-8200*	Nicholas M. Anzuoni	413-624-5528
Conway	Rick Bean	413-625-8207	Kenneth Ouimette	413-369-4235	Robert Baker	413-369-4235
Deerfield	Mark Gilmore	413-665-4645	John Paciorek, Jr.	413-665-2606	Chester Yazwinski, Jr. (Old Deerfield) William Swasey (South Deerfield)	413-773-7527 413-665-2313
Erving	Christopher Blair	413-695-0070 413-426-3310	Christopher Blair	413-423-3310	Almon Meattay	413-422-2800 x118
Gill	Gene Beaubien	413-863-8955	David Hastings	413-625-8200*	Gene Beaubien	413-863-8955
Greenfield	Robert Strahan	413-774-4737	Joseph Burge	413-773-5411	Michael Winn	413-774-4737
Hawley	Gregory Cox	413-339-5526	Stephen Deane	413-339-5518	Gregory Cox	413-339-4267
Heath	Tim Lively	413-337-5307	Margo Newton	413-625-8200*	Michael Smith	413-337-4461
Leverett	Jim Field	413-545-5122	Gary Billings	413-548-4994	John Moruzzi	413-548-9225
Leyden	Daniel Galvis	413-773-2369	Daniel Galvis	413-772-2369	Lester Cote	413-773-7673
Monroe	David Nash	413-499-2188 x5	David Nash (Emergency Response Coordinator)	413-424-5272	Larry Thoresen	413-424-5272
Montague	Robert Escott	413-863-9023	Charles Dodge III	413-863-8911 x203	Robert Escott (Turners Falls) John Greene (Montague Center)	413-863-9023 413-367-2757
New Salem	Thomas Reidy	978-821-8082	Joseph Camden	978-544-2141	Joe Cuneo	978-544-3345
Northfield	Thomas Newton	413-772-2121	Robert Leighton	413-625-8200* 413-834-2624 (cell)	Floyd Dunnell III	413-498-5100
Orange	Dennis Annear	978-575-0411	Robert Haigh	978-544-2129	Dennis Annear	978-544-3145
Rowe	Edwin May	413-339-4001	Henry J. Dandeneau	413-339-5520 x17	Paul McLatchy Jr.	413-339-4001
Shelburne	Chris Myers	413-625-0344	Steven Walker	413-625-0304 x5	Rick Bardwell (Shelburne Falls) John Taylor (rural)	413-625-6392 413-625-8200*
Shutesbury	Walter Tibbetts	413-259-1211	Thomas E. Harding	413-259-1279	Walter Tibbetts	413-259-1211
Sunderland	Robert Ahearn	413-665-2465	Jeffery Gilbert	413-665-7036	Robert Ahearn	413-665-2465
Warwick	James Erviti	978-549-1100	David Shoemaker	978-544-2244	Ronald Gates	978-544-8052
Wendell	Lonny Ricketts	978-544-2066	Edward Chase	978-544-7448	Everett Ricketts, Sr.	978-544-3500
Whately	Lynn Sibley	413-665-4400	James Sevigne, Jr.	413-625-8200*	John Hannum	413-625-8200*

Other Entities to Contact

Each town during an evacuation should be in contact with the towns neighboring it, to ensure that they are aware that an evacuation is occurring and that residents will be passing through those towns. This should include towns in neighboring Berkshire, Hampshire, and Worcester Counties.

Towns should identify the emergency management officials for this communication. Contact information for Franklin County and towns in neighboring counties can be found below.

Surrounding Municipalities to Franklin County

Berkshire County

Town	County	EMD Contact	EMD Phone	Police Chief	Police Phone	Fire Chief	Fire Phone
Amherst	Hampshire	Tim Nelson	fire@amherstma.gov 413-259-3082	Scott P Livingstone	police@amherstma.gov 413-259-3014	Tim Nelson	fire@amherstma.gov 413-259-3082
Athol	Worcester	Chief Thomas Lozier	978-249-8275	Timothy Anderson	978-249-3232	Tom Lozier	978-249-8275
Cummington	Hampshire	Bernard L. Forgea	413-634-5458, 413-634-0333 (home #)	Dennis Forgea	413-634-0056	Bernard L. Forgea	413-634-5458
Florida	Berkshire	Christine Dobbert	413-662-2448	David Burdick	413-662-2448	Michael Bedini	413-664-9233
Goshen	Hampshire	Larry Holmberg	emd_chesterfield@hotmail.com 508-304-2585 413-296-4525	Jeff Hewes	GoshenPDNews@aol.com 413-268-3116	Sue Labrie	gfd56x1@msn.com 413-268-7161
Hadley	Hampshire	Michael Spanknebel	413-584-0874	Dennis J. Hukowicz	413-582-9053	James Kicza	413-584-0874
Hatfield	Hampshire	Cindy Doty	emd@townofhatfield.org 413-247-0480	Thomas J. Osley	hpd@hatfieldpolice.com 413-586-1508	William A. Belden	wbelden@townofhatfield.org 413-247-0480
Pelham	Hampshire	Gary Thomann	413-253-0484	Gary Thomann	413-253-0484	Raymond A. Murphy	413-253-3311
Petersham	Worcester	Lynne Shaw	978-724-0040	Denis N. Legare	978-724-3330	Dana Robinson	978-724-3371
Plainfield	Hampshire	Dennis Thatcher	413-634-5582	Edward Morann	413-634-0139	Dennis Thatcher	413-634-5582
Royalston	Worcester	Jim Barclay	978-249-2904	Curtis Deveneuve	978-249-5838	Wayne Newton	978-249-8138
Savoy	Berkshire	Lawrence Ordyna	413-743-3846	Stephen Deane	413-743-0364	Lawrence Ordyna	413-743-9119
Williamsburg	Hampshire	Denise Banister	413-268-7251	Denise Wickland	413-268-7237	Donald Lawton	donald.lawton@williamsburgfire.com 413 268-7233

MassDOT District Offices

The following are the district contacts for MassDOT in western Massachusetts. These contacts are not involved in an emergency response unless specifically requested by a municipality or MEMA, and should be contacted during an evacuation.

Office	Address	Town	Phone
MassDOT District 1	270 Main St.	Lenox	413-637-5700
MassDOT District 2	811 North King St.	Northampton	413-582-0599

State Police Contact Info

Office	Address	Town	Phone
Mass State Police Barracks	555 North King St.	Northampton	413-587-5517

MEMA Contact Info

The following are the MEMA contacts for western Massachusetts.

Office	Address	Town	Phone
MEMA Region 3 & 4	1002 Suffield St.	Agawam	413-750-1400

Out of State

Towns in Franklin County border on towns in Vermont and New Hampshire to the north. The following is the contact information for the emergency management agencies in Vermont and New Hampshire.

Agency	Address	Phone/Contact
Vermont Emergency Management Headquarters	103 South Main St. Waterbury, VT 05671-2101	800-847-0488 (toll-free) 802-244-8721 (local) 888-545-7598 (TTY)
New Hampshire Homeland Security and Emergency Management	33 Hazen Drive Concord, NH 03305	800-852-3792 (toll-free) 603-271-2231 (local) 800-735-2964 (TTY/TDD) 603-223-3609 (Fax)

Municipal Evacuation Routes

Evacuation routes for individual municipalities are described below.

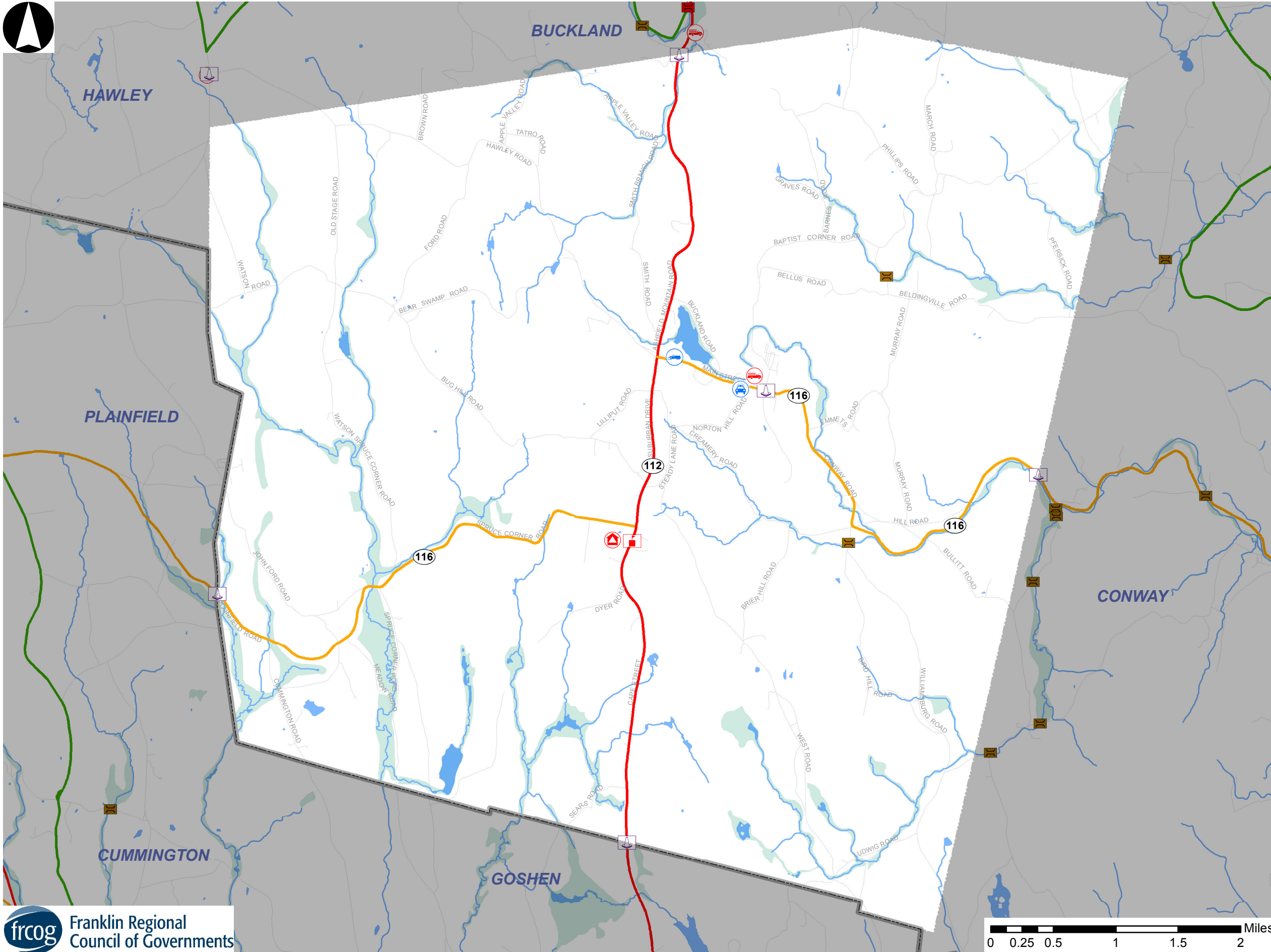
Towns	Primary Evacuation Routes	Secondary Evacuation Routes	Tertiary Evacuation Routes
Ashfield	Route 112	Route 116	-
Bernardston	Interstate 91	Route 5 Route 10	Eden Rd.
Buckland	Route 2 Route 112	Route 2A	Clesson Brook Rd./Old Hawley Rd./Cross Rd.
Charlemont	Route 2	Route 8A	East Hawley Rd. Zoar Rd./Rowe Rd.
Colrain	Route 112	Greenfield Rd.	Adamsville Rd. West Leyden Rd.
Conway	-	Route 116	Shelburne Falls Rd. Whately Rd.
Deerfield	Interstate 91	Routes 5/10 Route 116	River Rd.
Erving	Route 2	Route 63	North St.
Gill	Route 2	Main Rd. Route 10 Route 2A	-
Greenfield	Interstate 91 Route 2 Route 2A (Main St.)	Routes 5/10 Montague City Rd. Leyden Rd. Colrain Rd. Route 2A (High St.)	Elm St. Chapman St. Silver St. Turners Falls Rd. Maple St./Mountain Rd. River St./Mill St.
Hawley	-	Route 8A	East Hawley Rd./Buckland Rd.
Heath	-	Route 8A	Avery Brook Rd./E. Main St./W. Main St./Dell Rd. Bray Rd./Colrain Stage Rd./Branch Hill Rd. Number Nine Rd.
Leverett	-	Route 63	Montague Rd. Cave Hill Rd. North Leverett Rd. Shutesbury Rd./Depot Rd.
Leyden	-	Greenfield Rd. Brattleboro Rd.	West Leyden Rd. Old County Rd./Mid County Rd. Frizzell Hill Rd./Eden Rd.
Monroe	-	-	Main Rd. River Rd./Readsboro Rd. Kingsley Hill Rd. Davis Rd. Raycroft Rd.
Montague	-	Montague City Rd. Third St./Unity St. Turners Falls Rd. Millers Falls Rd. Route 63 Route 47	Turners Falls Rd./Canal St.
New Salem	Route 202	Route 122	Wendell Rd.

Northfield	-	Route 63 Route 10 Warwick Rd.	Maple St./Gulf Rd. Route 142
Orange	Route 2 Route 202	Route 2A Route 78 North Main St. Route 122	West River St./East River St. Main St./Royalston Rd./Mill Yard Rd./Tully Rd. Zoar Rd. Pond Rd. Leshures Rd.
Rowe	-	-	Ford Hill Rd./Potters Rd. Hazelton Rd./Monroe Hill Rd.
Shelburne	Route 2 Route 112	Route 2A Smead Hill Rd.	Lakeview Rd. Locks Pond Rd./Wendell Rd.
Shutesbury	Route 202	-	Leverett Rd./Cooleyville Rd./Prescott Rd. Pelham Hill Rd.
Sunderland	-	Route 47 Route 116 Route 63	-
Warwick	-	Route 78 Northfield Rd.	Athol Rd.
Wendell	Route 2	Montague Rd. Wendell Depot Rd.	Lockes Village Rd. Morse Village Rd./New Salem Rd.
Whately	Interstate 91	Routes 5/10 Route 116	Conway Rd. S. Haydenville Rd./Haydenville Rd. Chestnut Plain Rd./Depot Rd./Christian Ln. River Rd.

Evacuation routes were developed based on an analysis of the transportation network, considering factors such as capacity, congestion, and road destinations to develop a hierarchy of primary, secondary, and tertiary routes. Definitions of these routes are as follows:

- Primary – state designated highways that carry the largest capacity and provide the most direct route out of the region
- Secondary – main arterial roads through towns that carry traffic where primary routes do not exist or provide an alternate route to the primary route
- Tertiary – local main roads, used to channel traffic towards secondary and primary evacuation routes

ASHFIELD



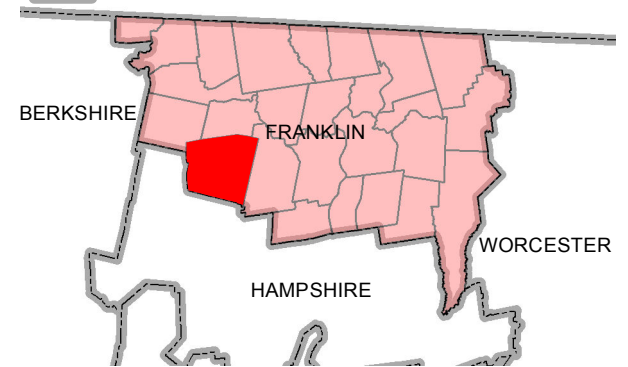
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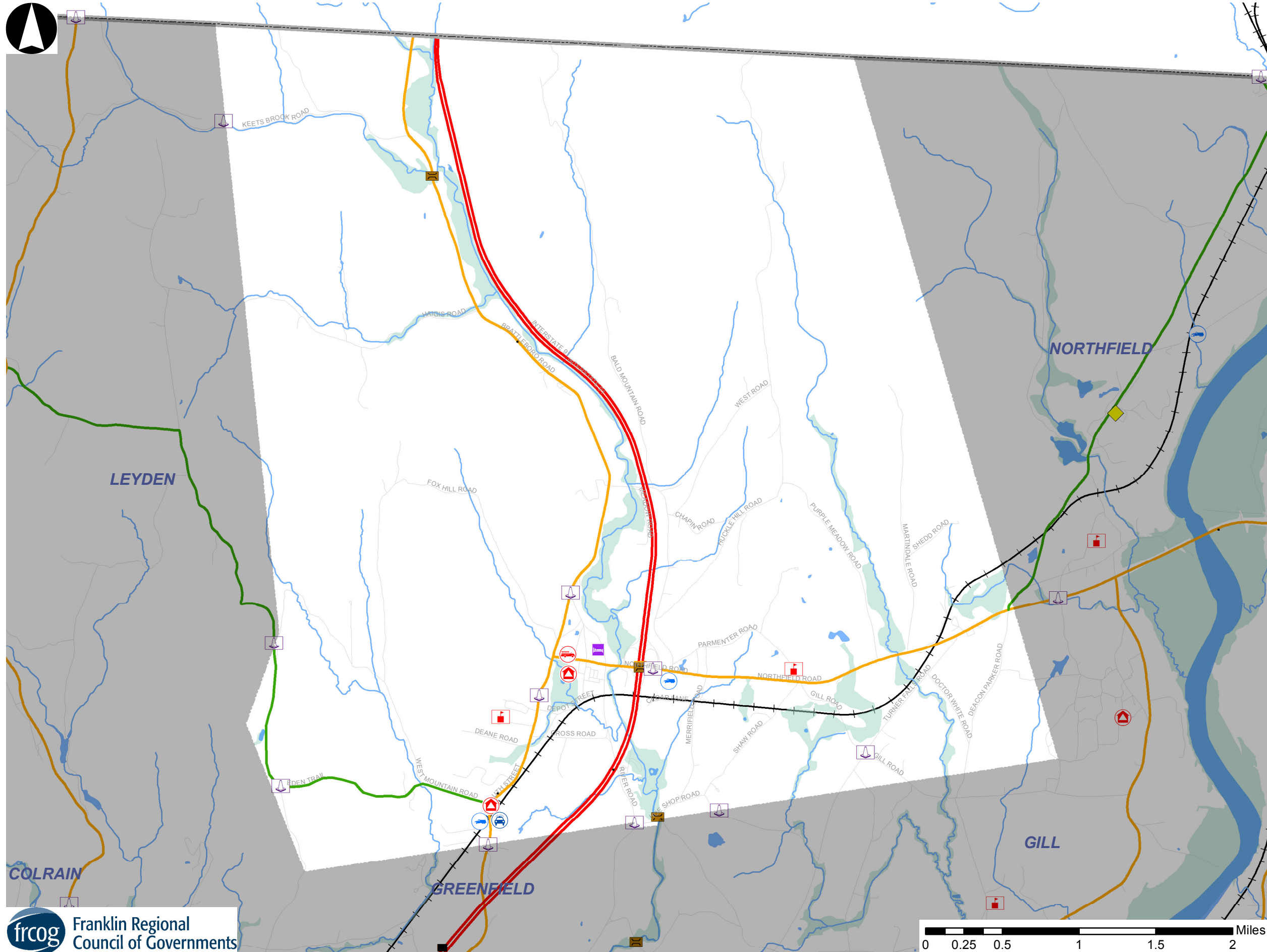
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- Closed Bridge
- Restricted Bridge
- Signaled Intersection
- ITC Webcams
- Traffic Cameras
- VMS
- Emergency Operations Center
- DPW
- Police Station
- Fire Station
- Power Plant
- Vulnerable Population
- Hospital
- Prison
- Major Employer
- School

Evacuation Routes

- Main Route
- Secondary Route
- Tertiary Route
- Other Routes
- Rail Line
- Town Boundary
- Water Bodies
- Flood Zones
- Counties



BERNARDSTON



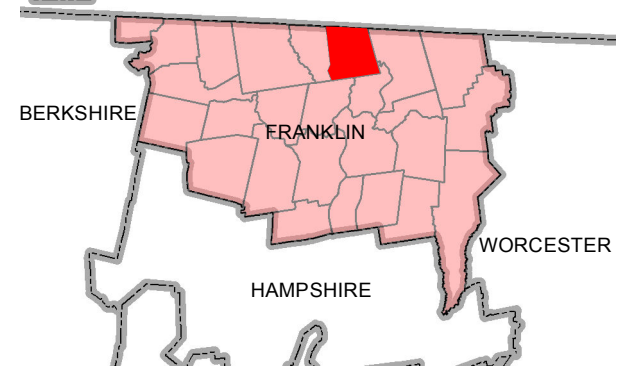
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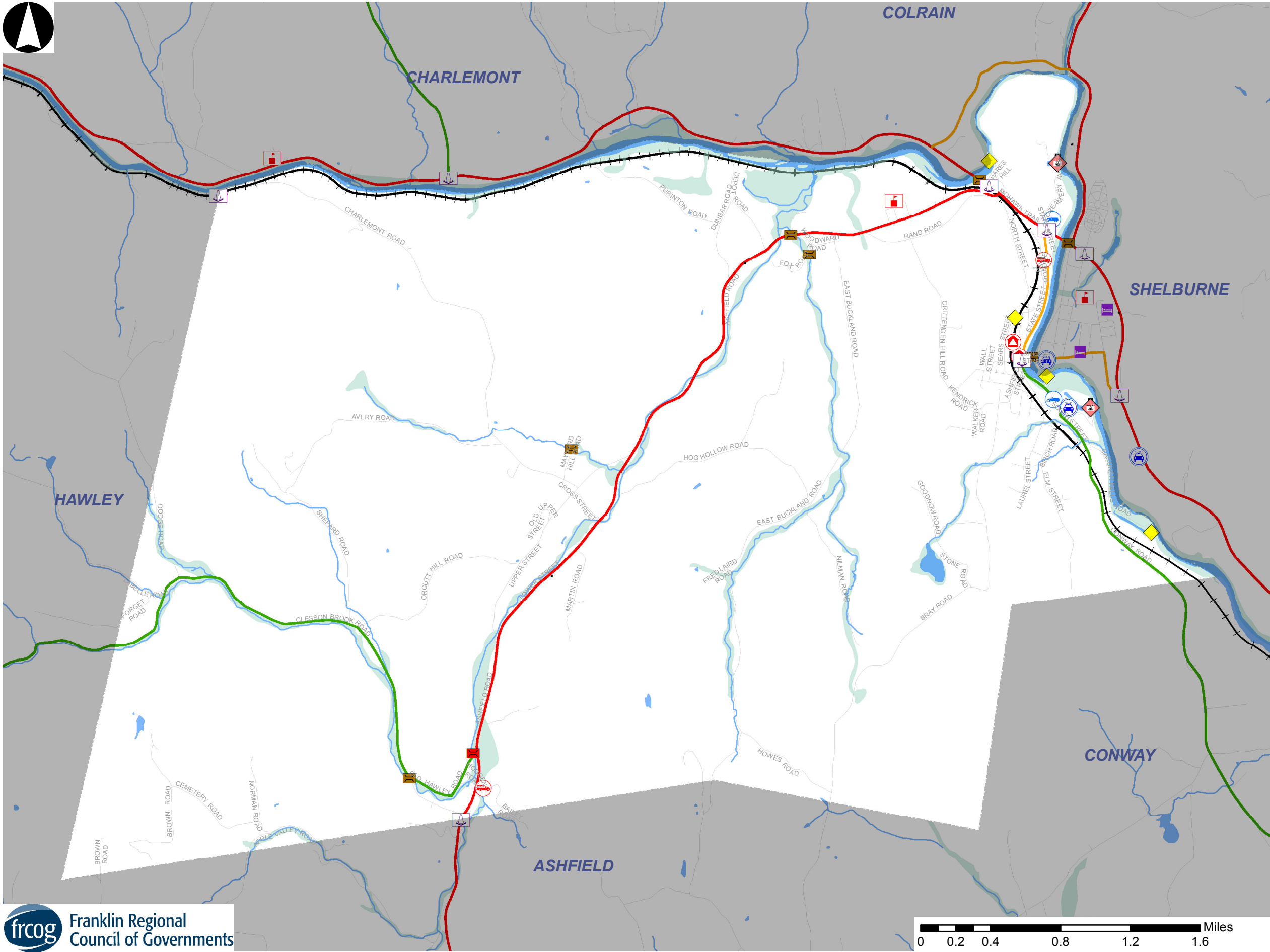
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Evacuation Routes

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BUCKLAND



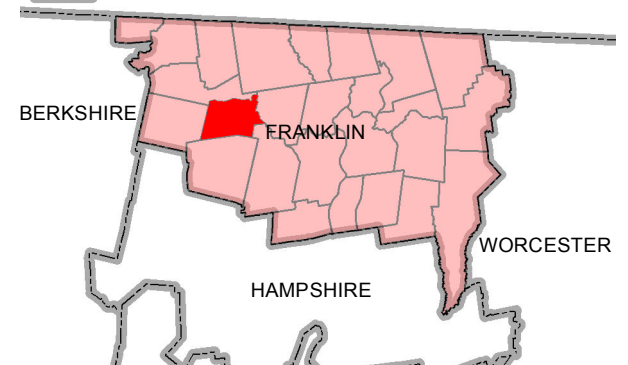
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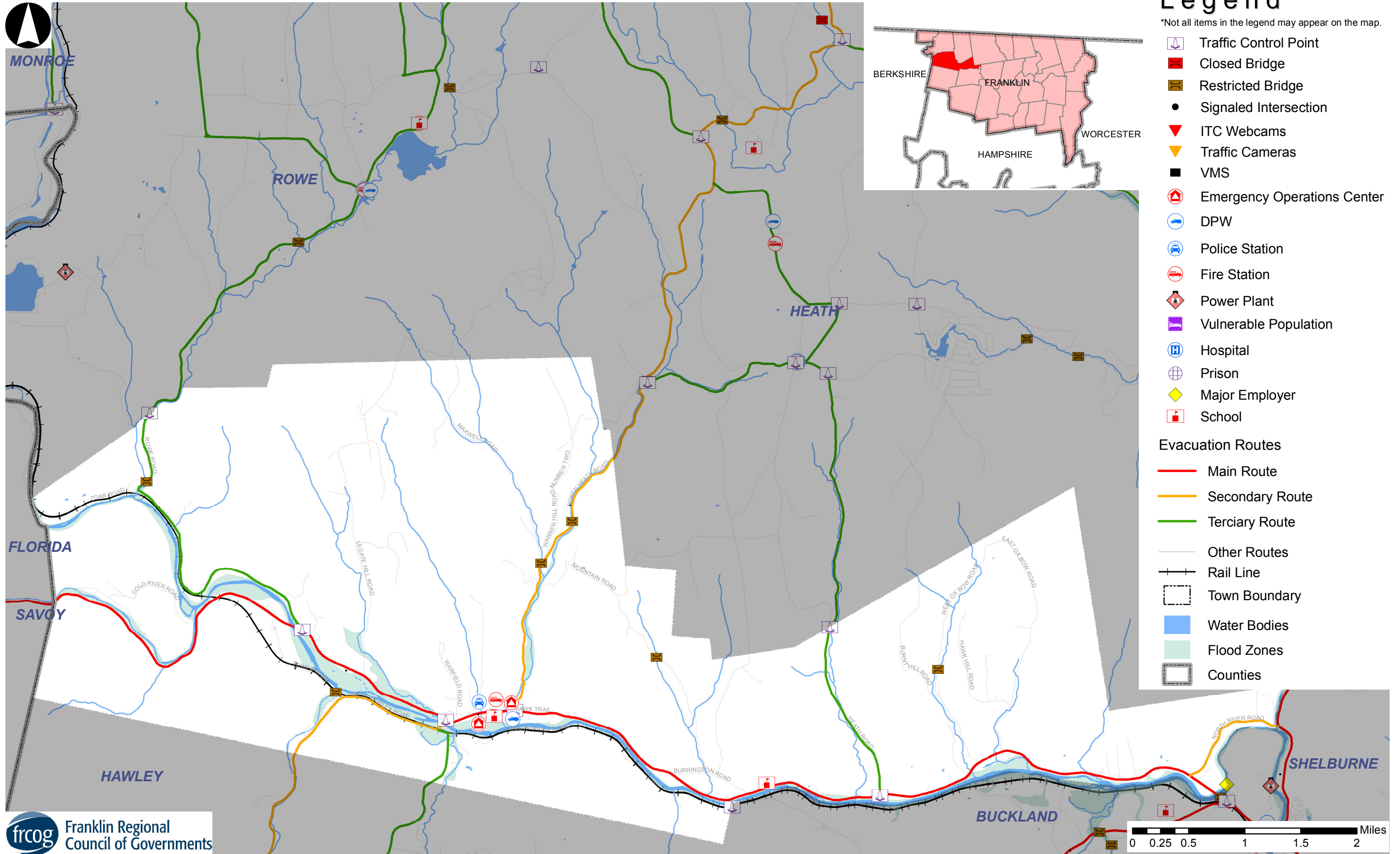
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Evacuation Routes

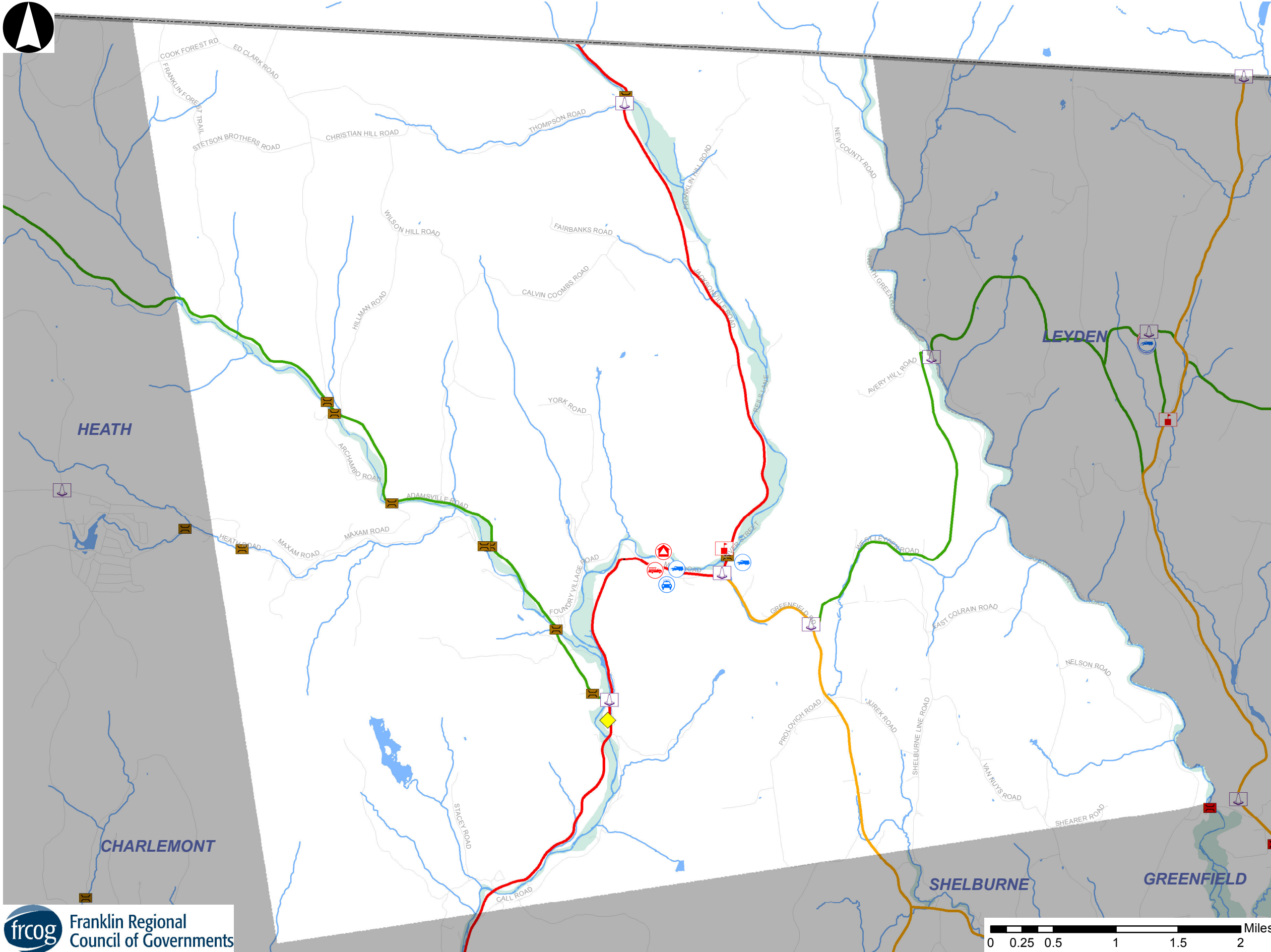
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CHARLEMONT



COLRAIN



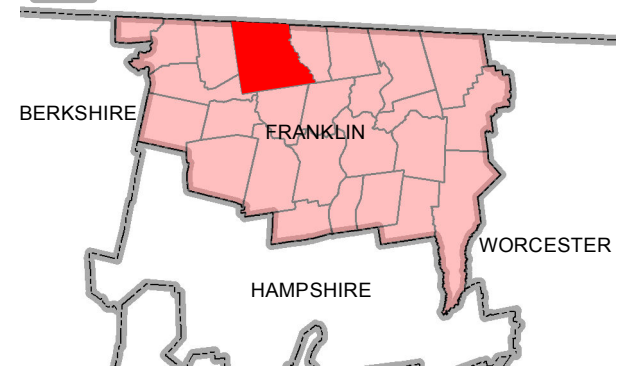
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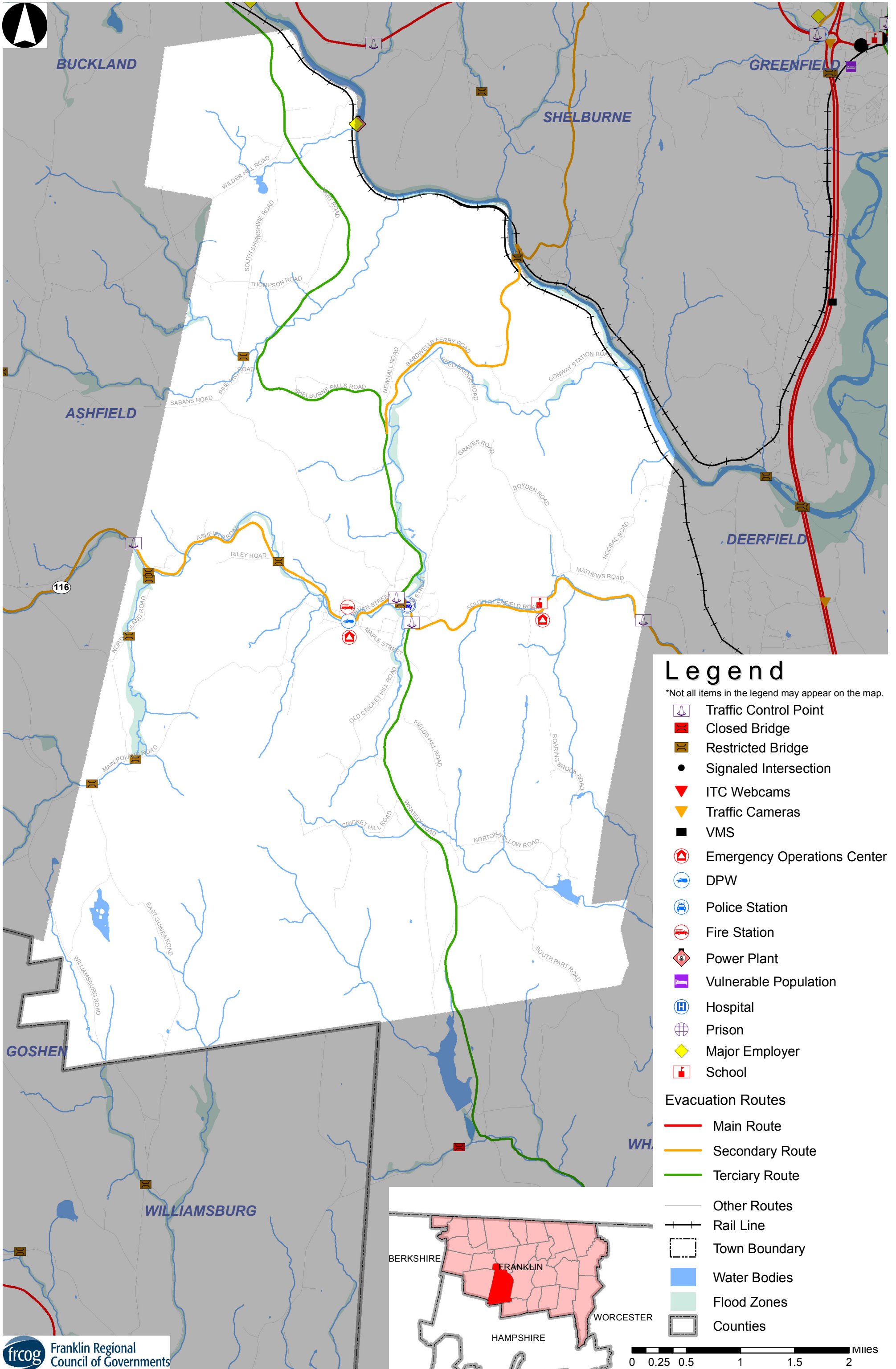
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Evacuation Routes

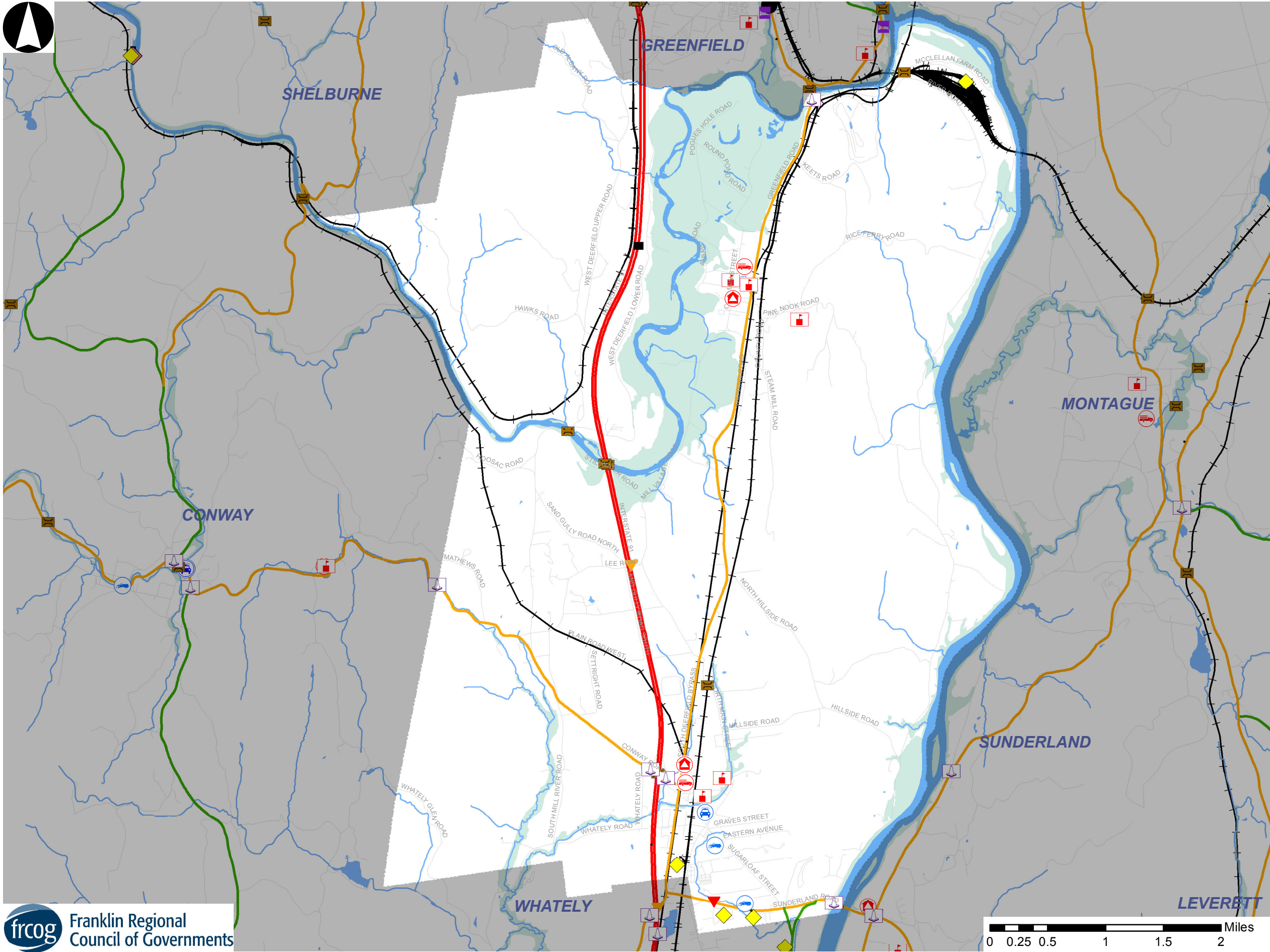
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CONWAY



DEERFIELD



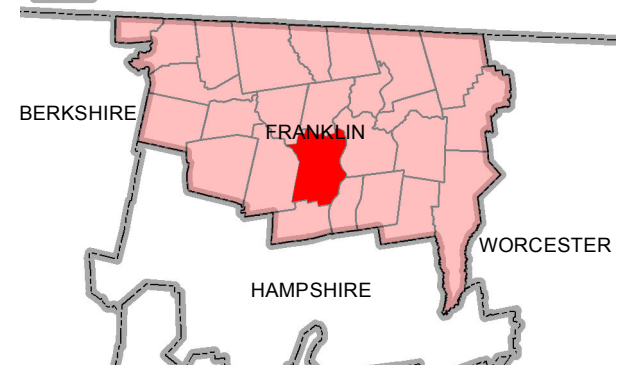
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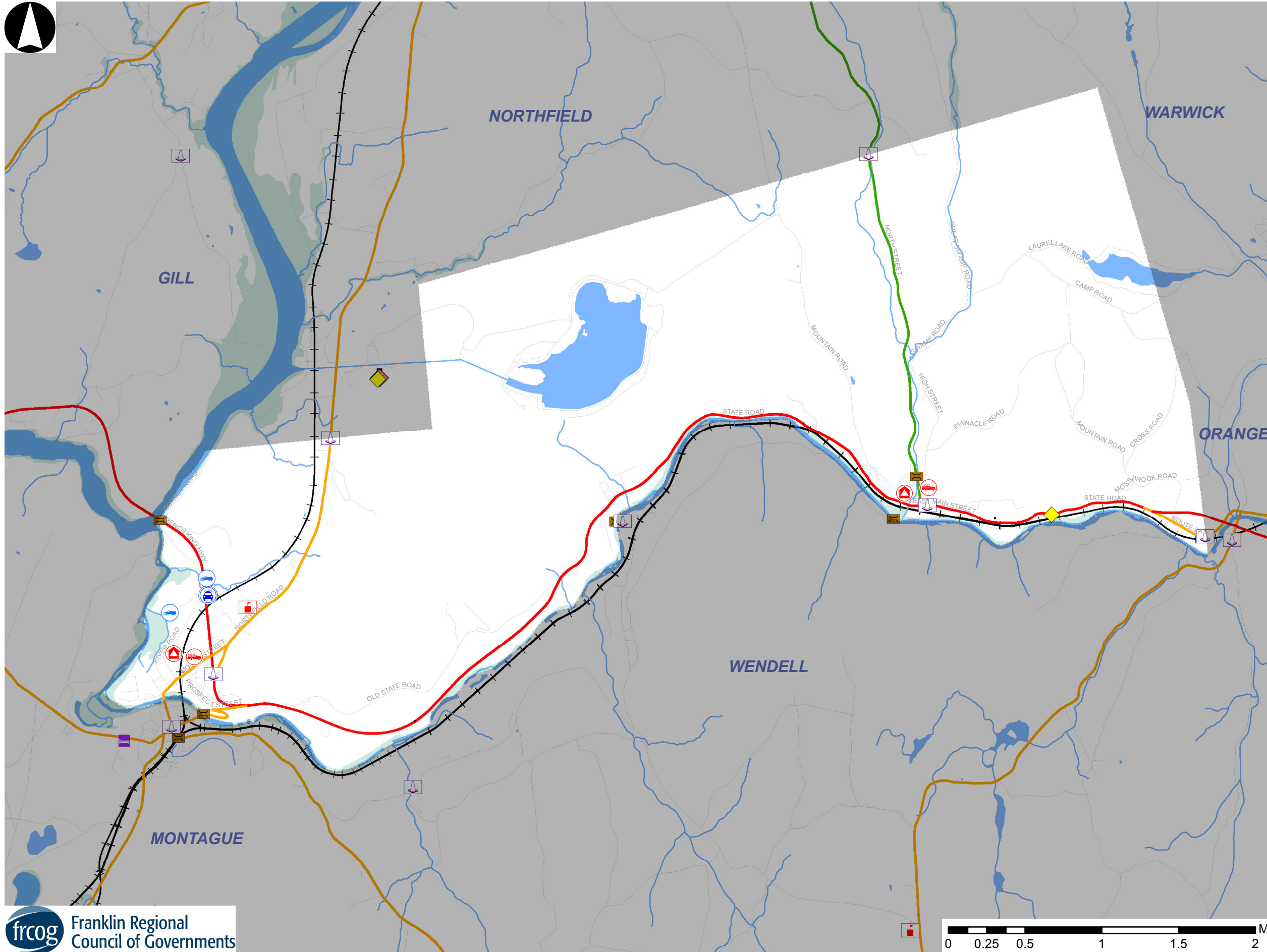
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Evacuation Routes

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ERVING



Legend

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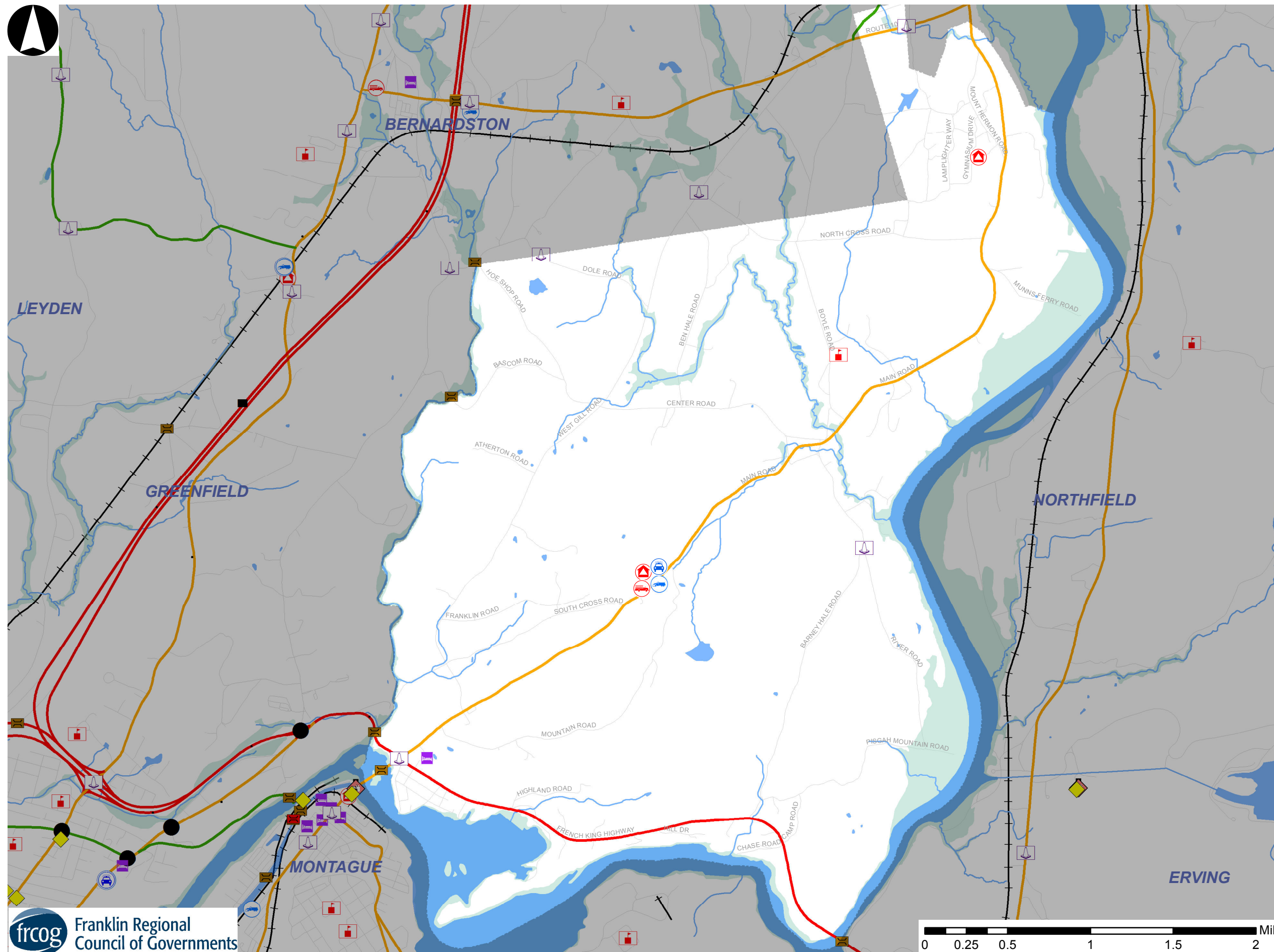
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Evacuation Routes

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GILL

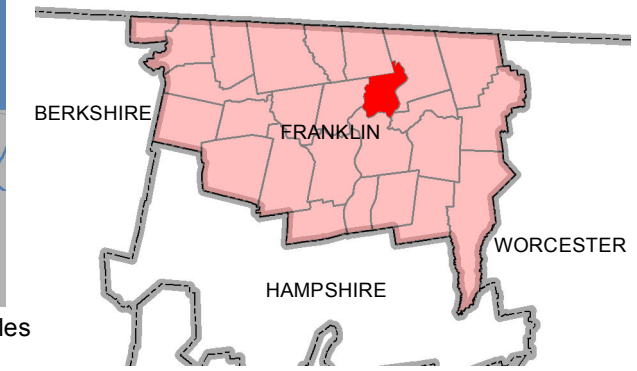


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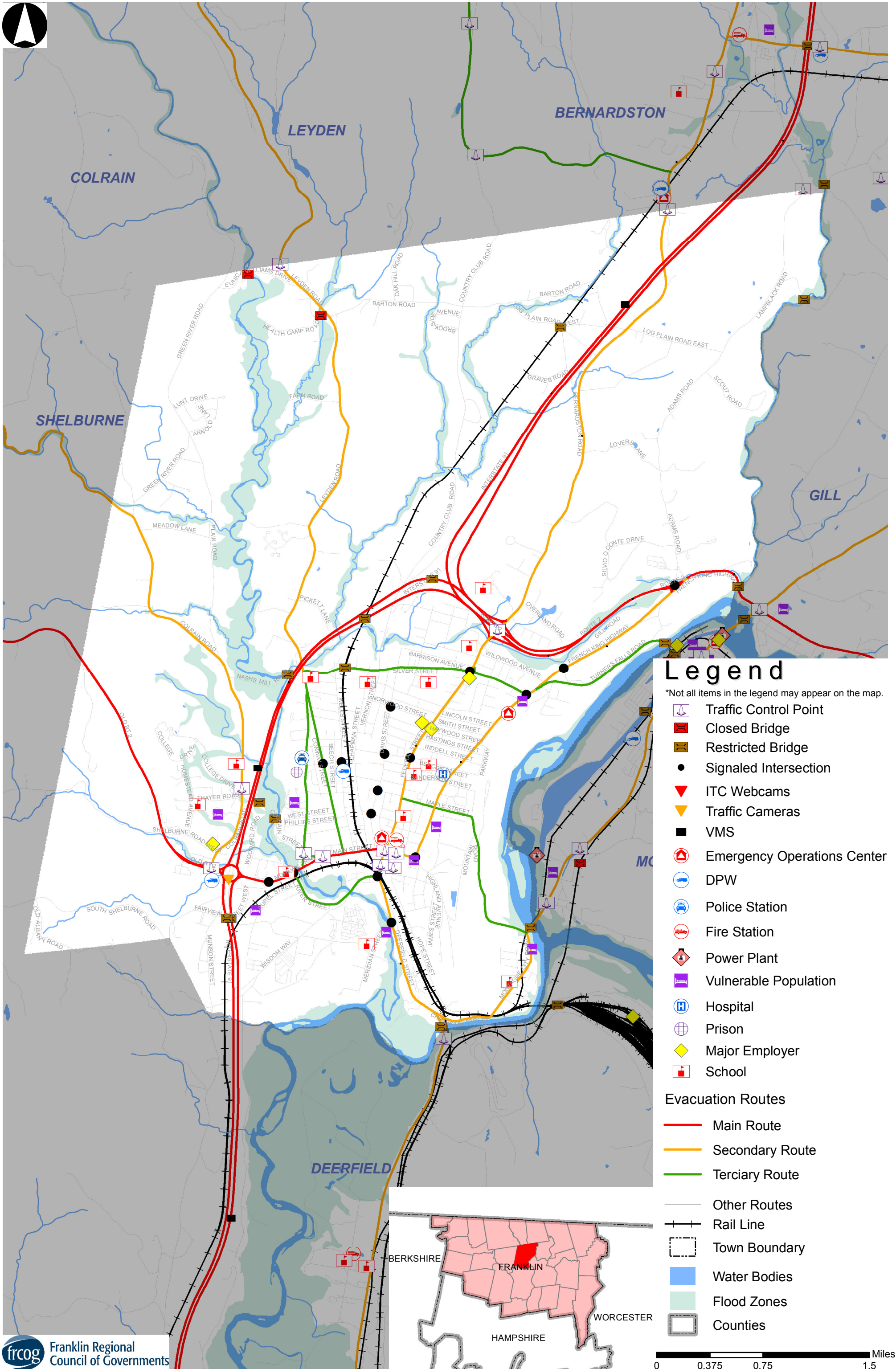
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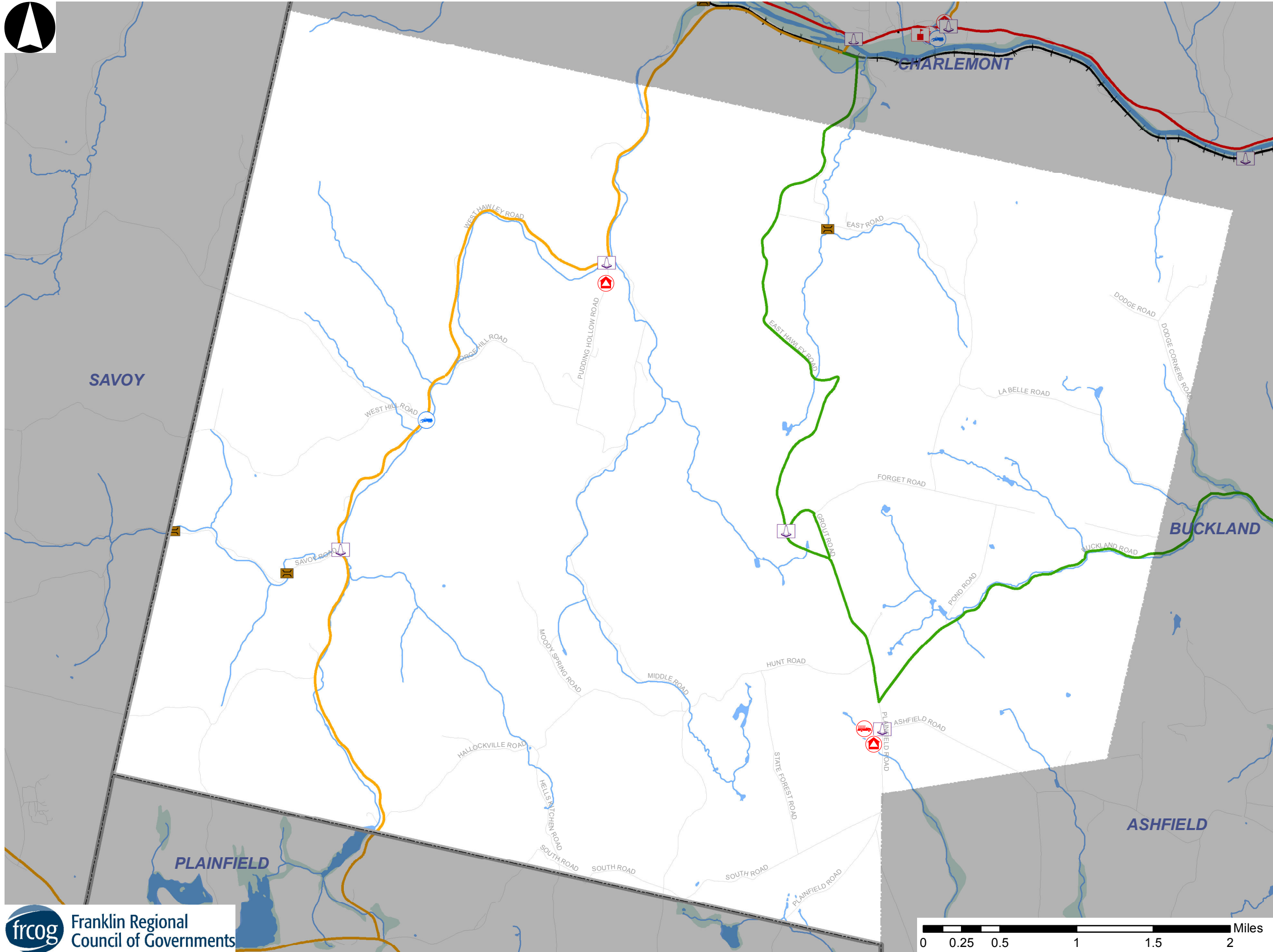
- ### Evacuation Routes
- Main Route
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GREENFIELD



HAWLEY



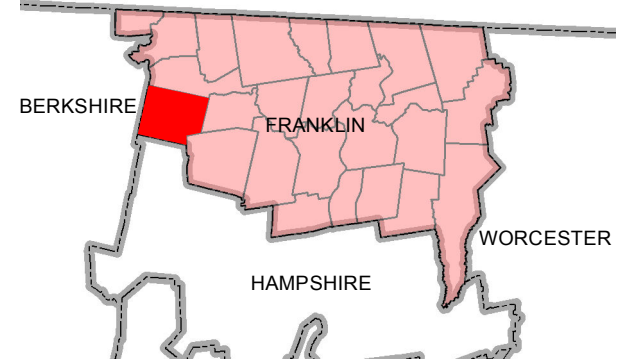
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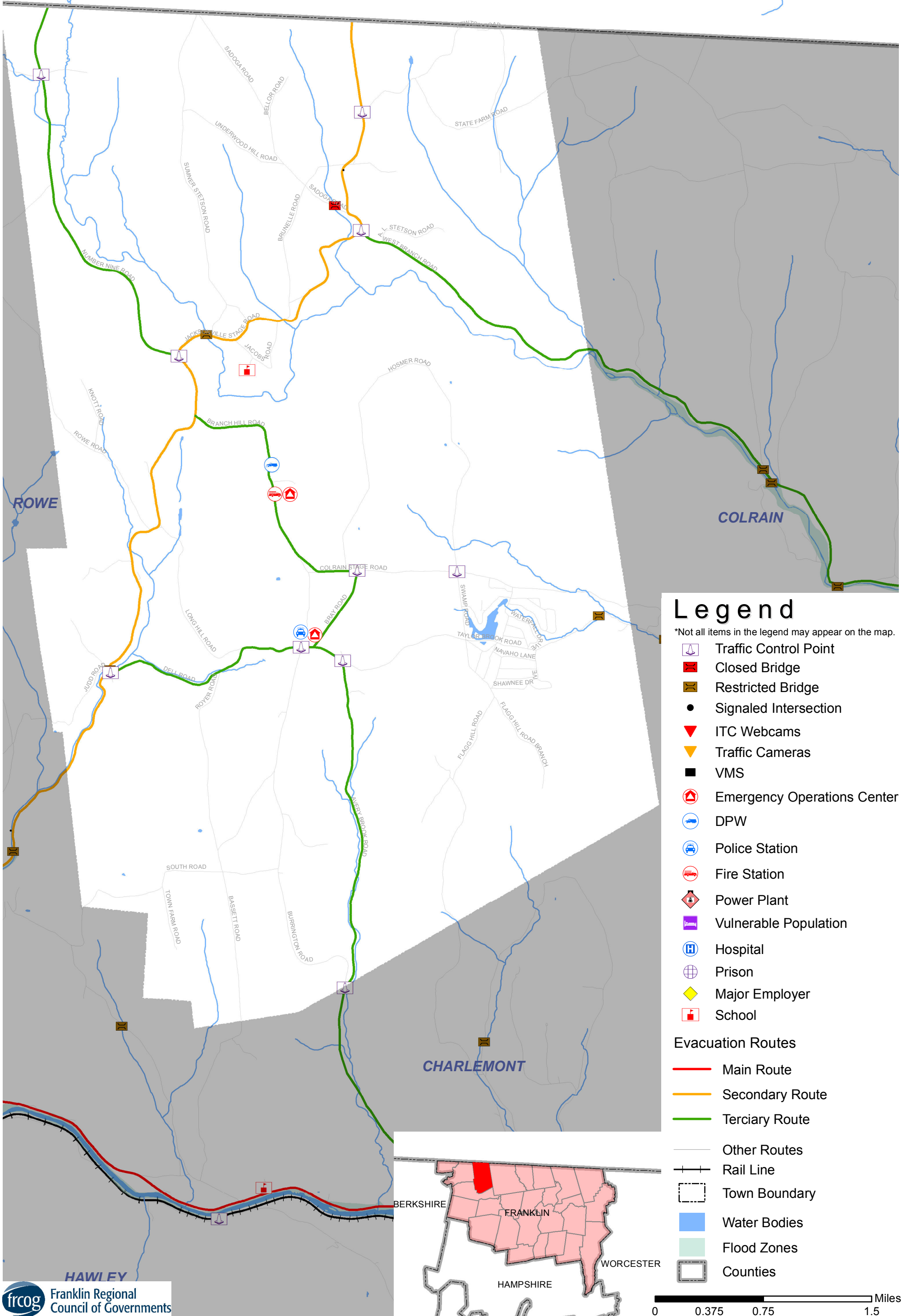
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Evacuation Routes

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HEATH



Legend

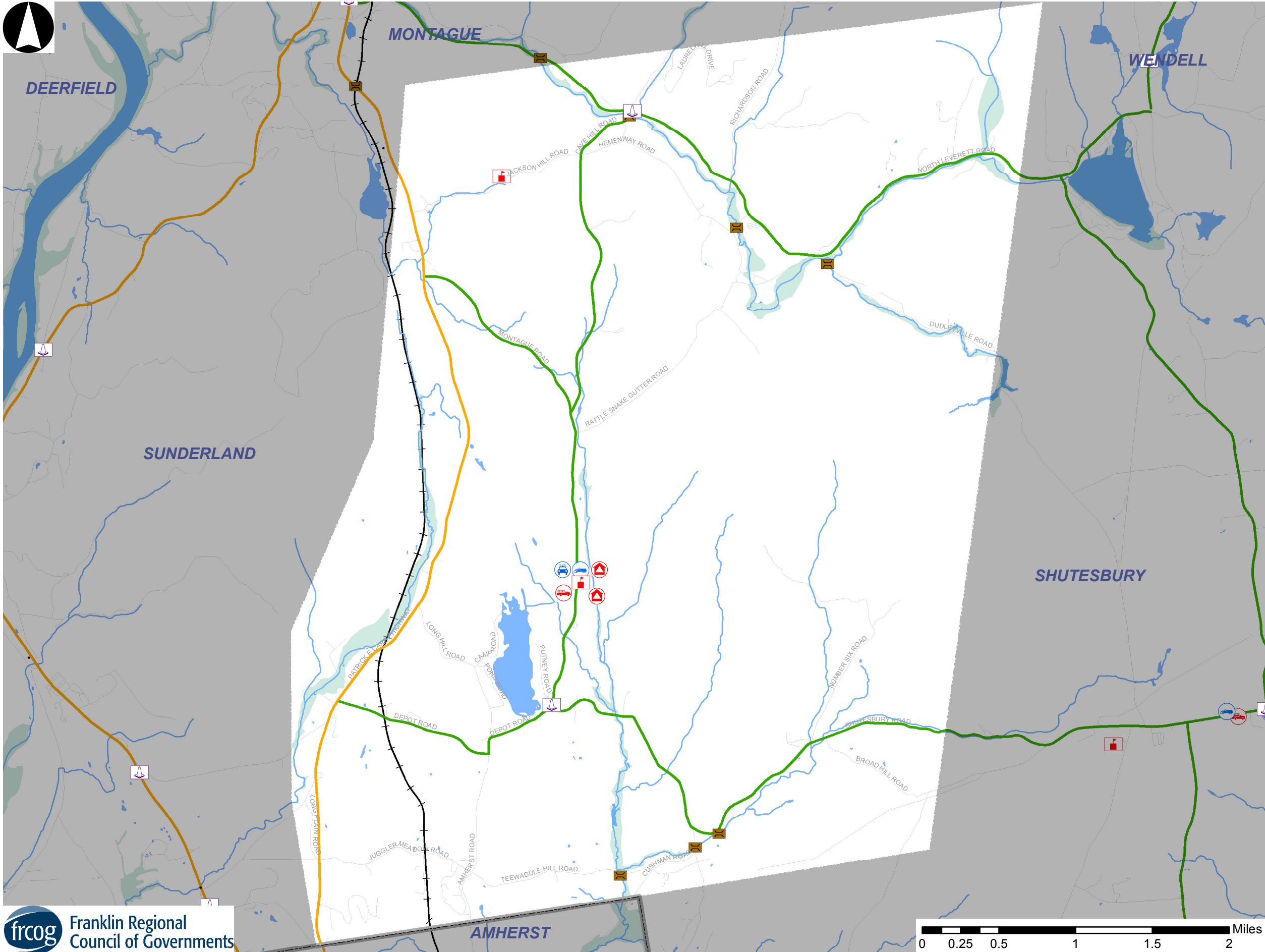
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Evacuation Routes

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LEVERETT



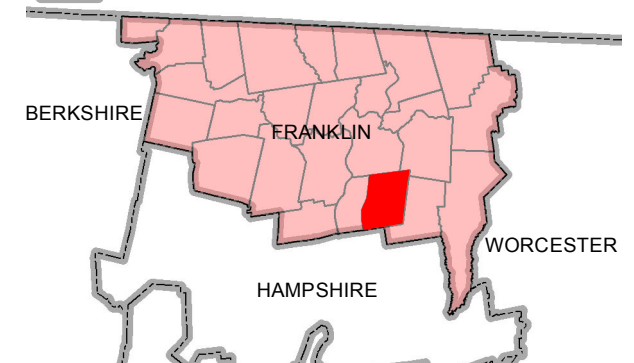
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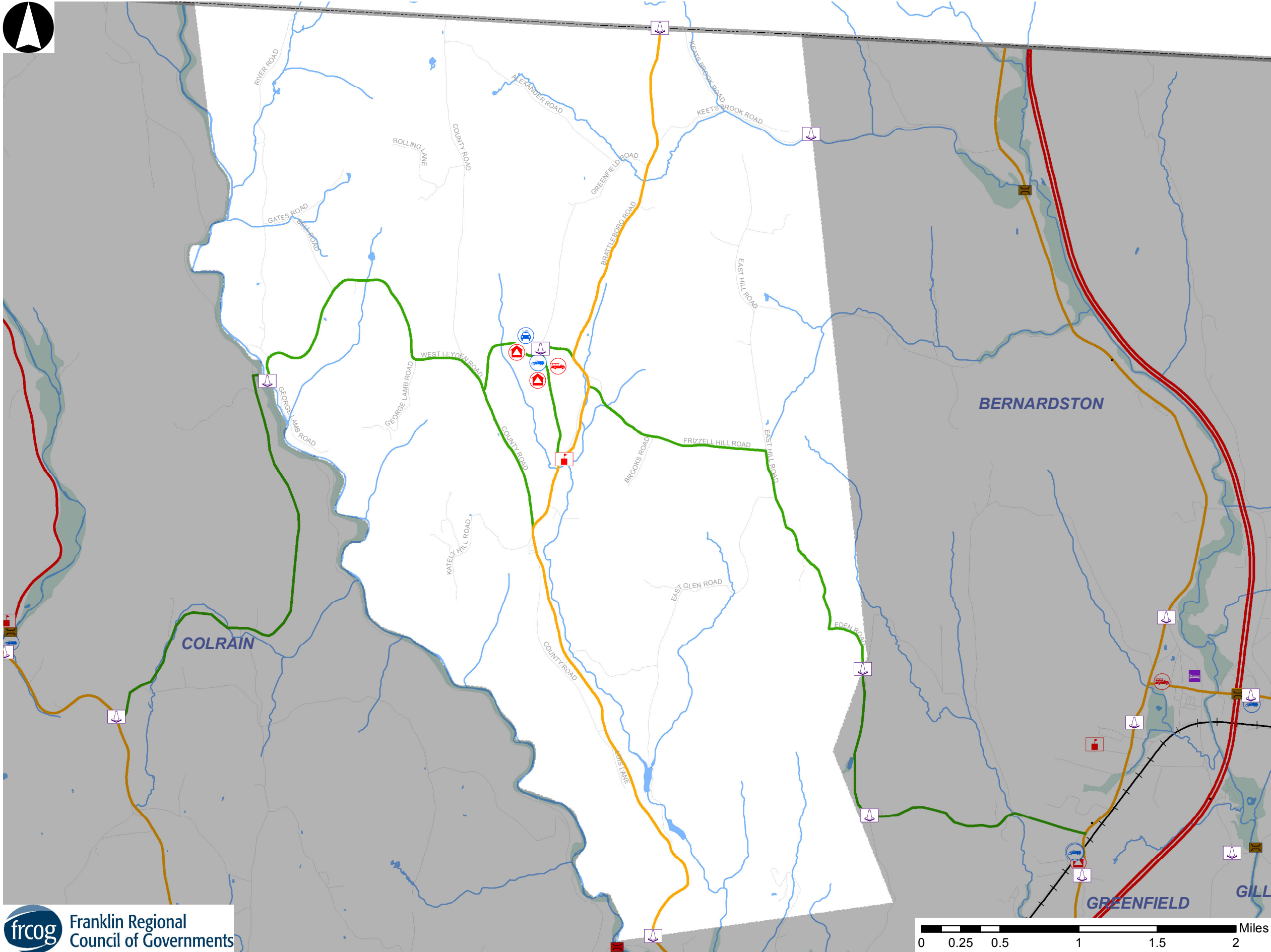
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LEYDEN



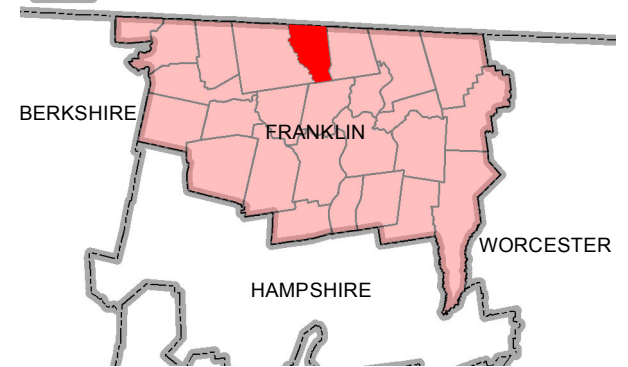
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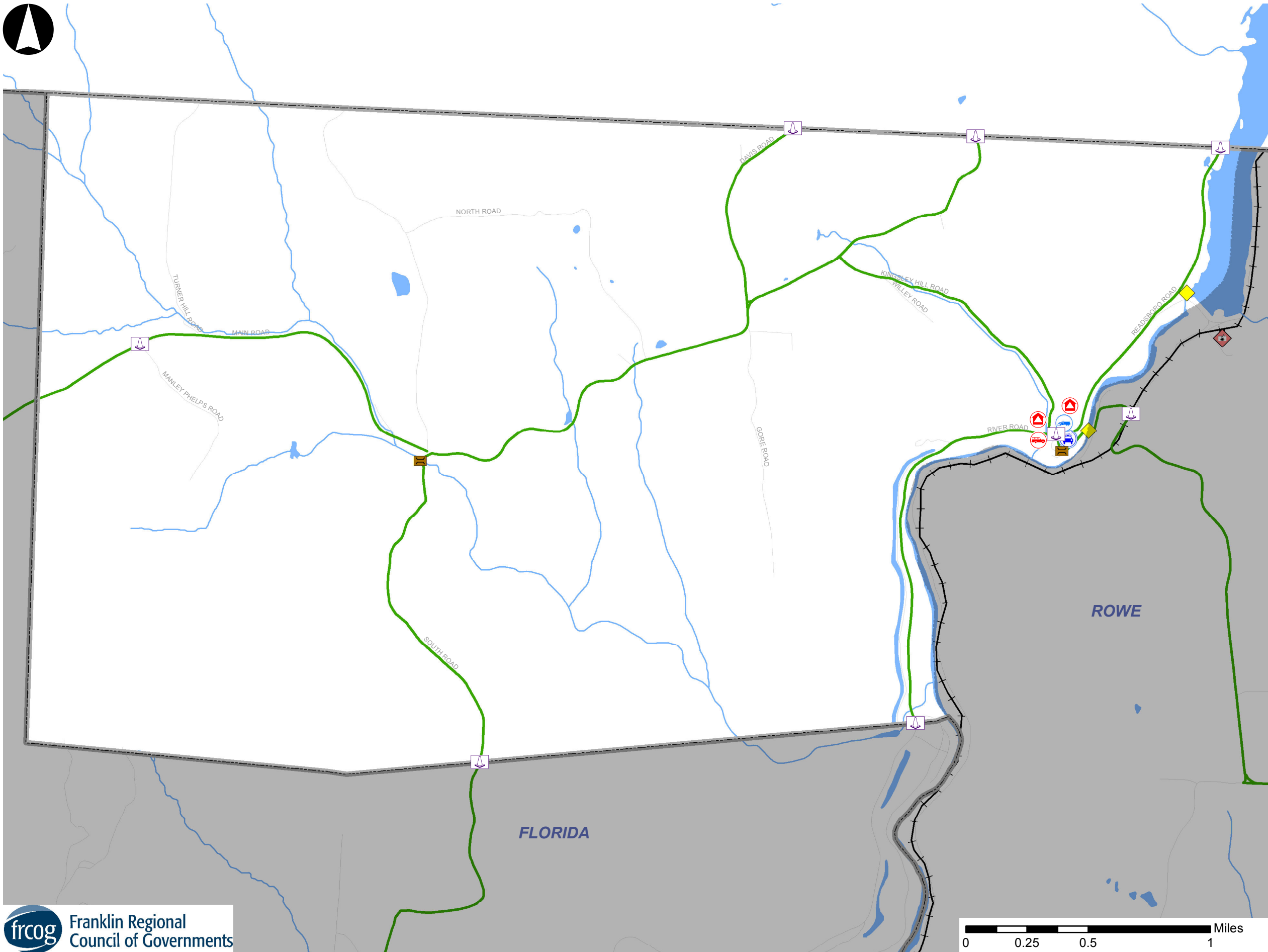
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- Fire Station
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- Major Employer
- School

Evacuation Routes

- Main Route
- Secondary Route
- Tertiary Route
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- Rail Line
- Town Boundary
- Water Bodies
- Flood Zones
- Counties



MONROE



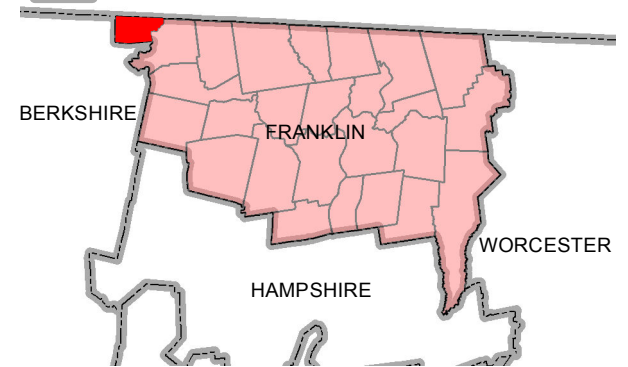
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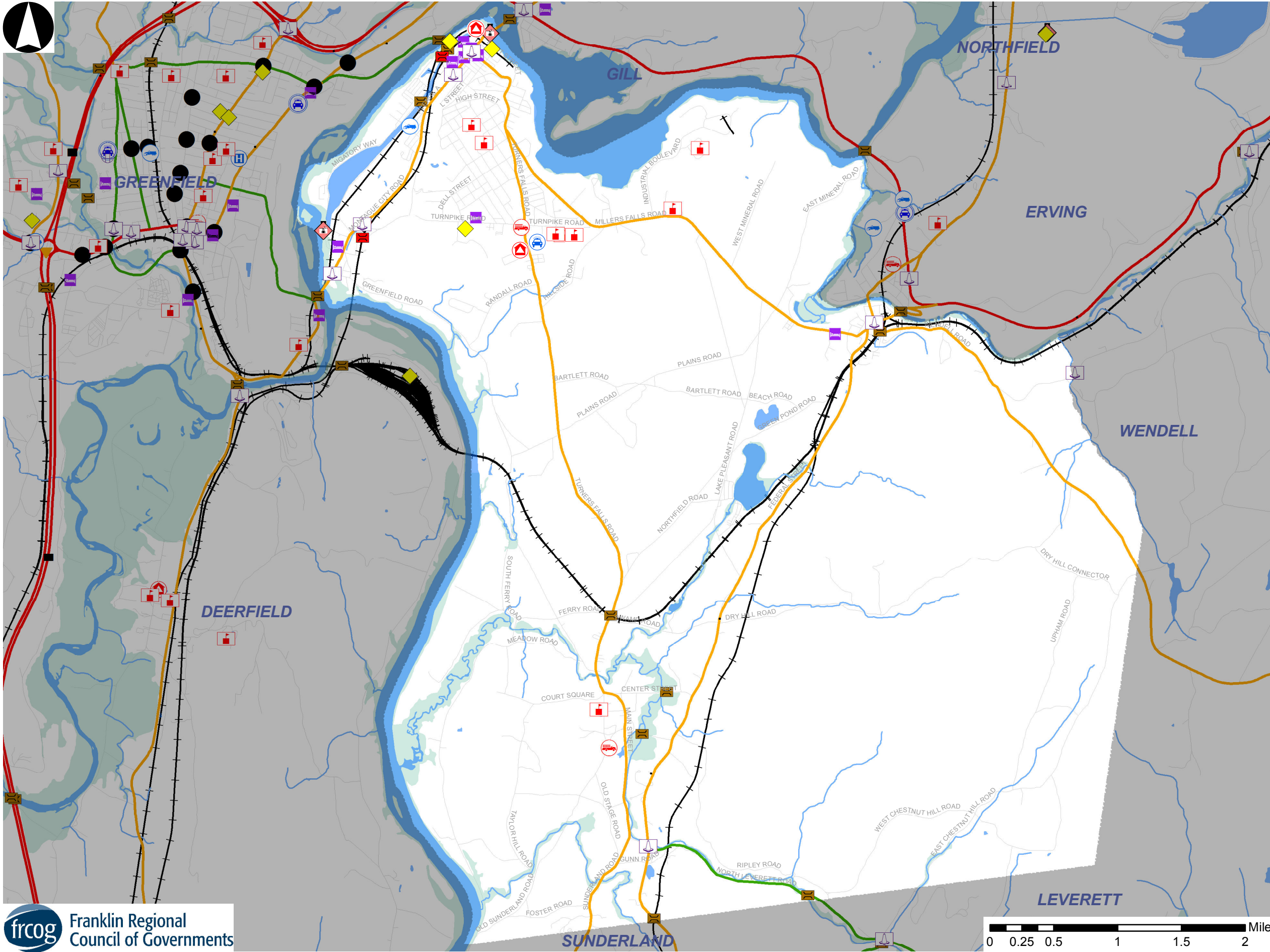
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MONTAGUE



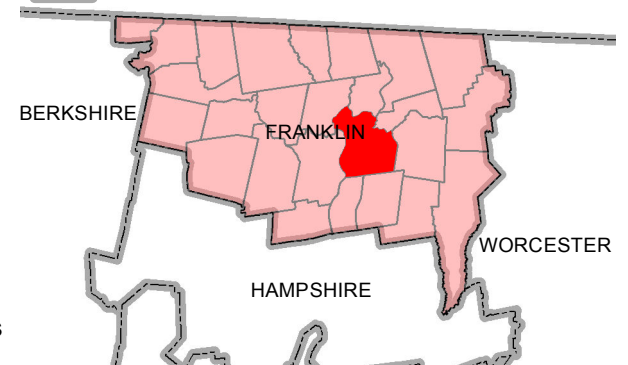
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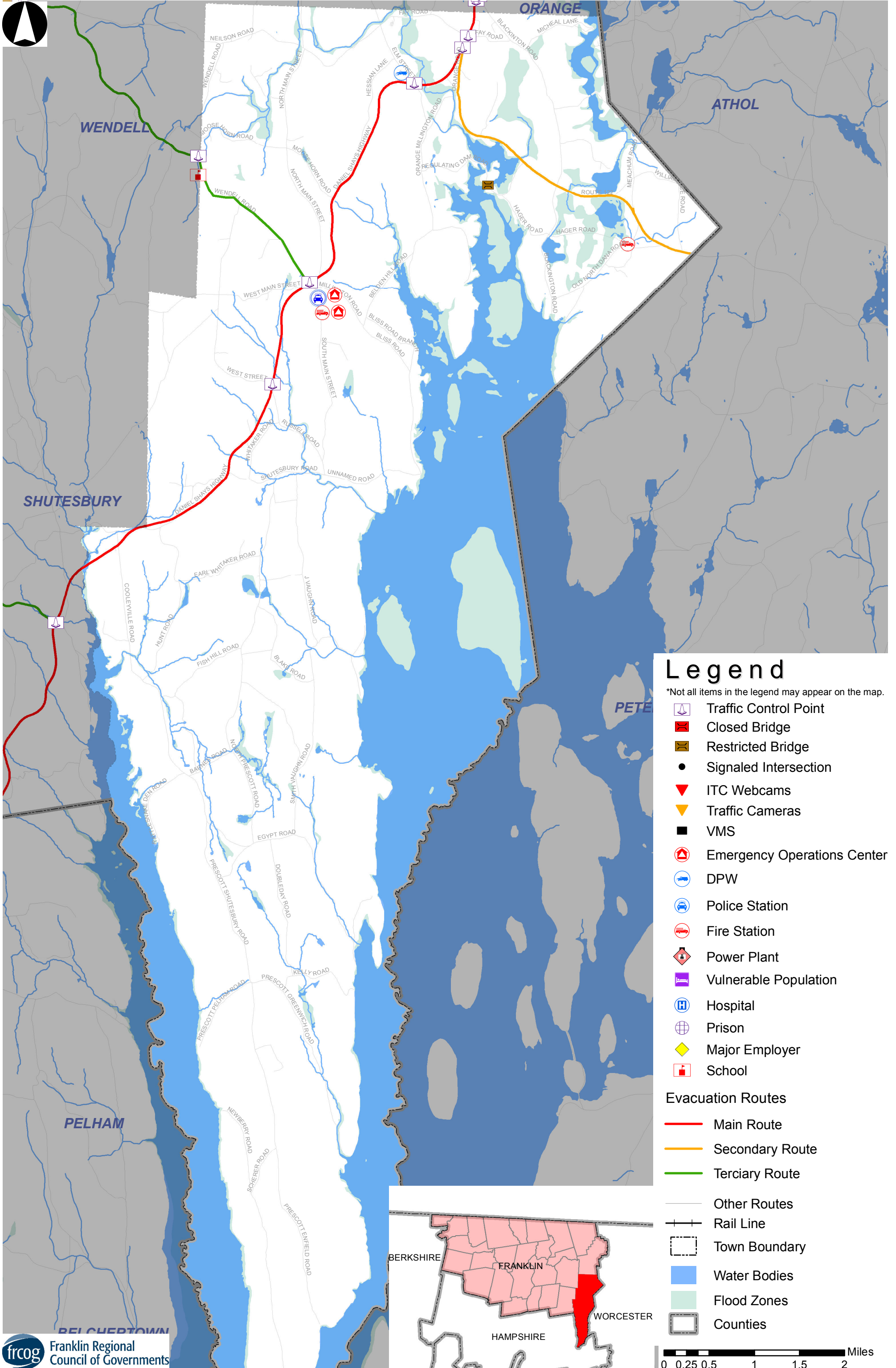
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NEW SALEM

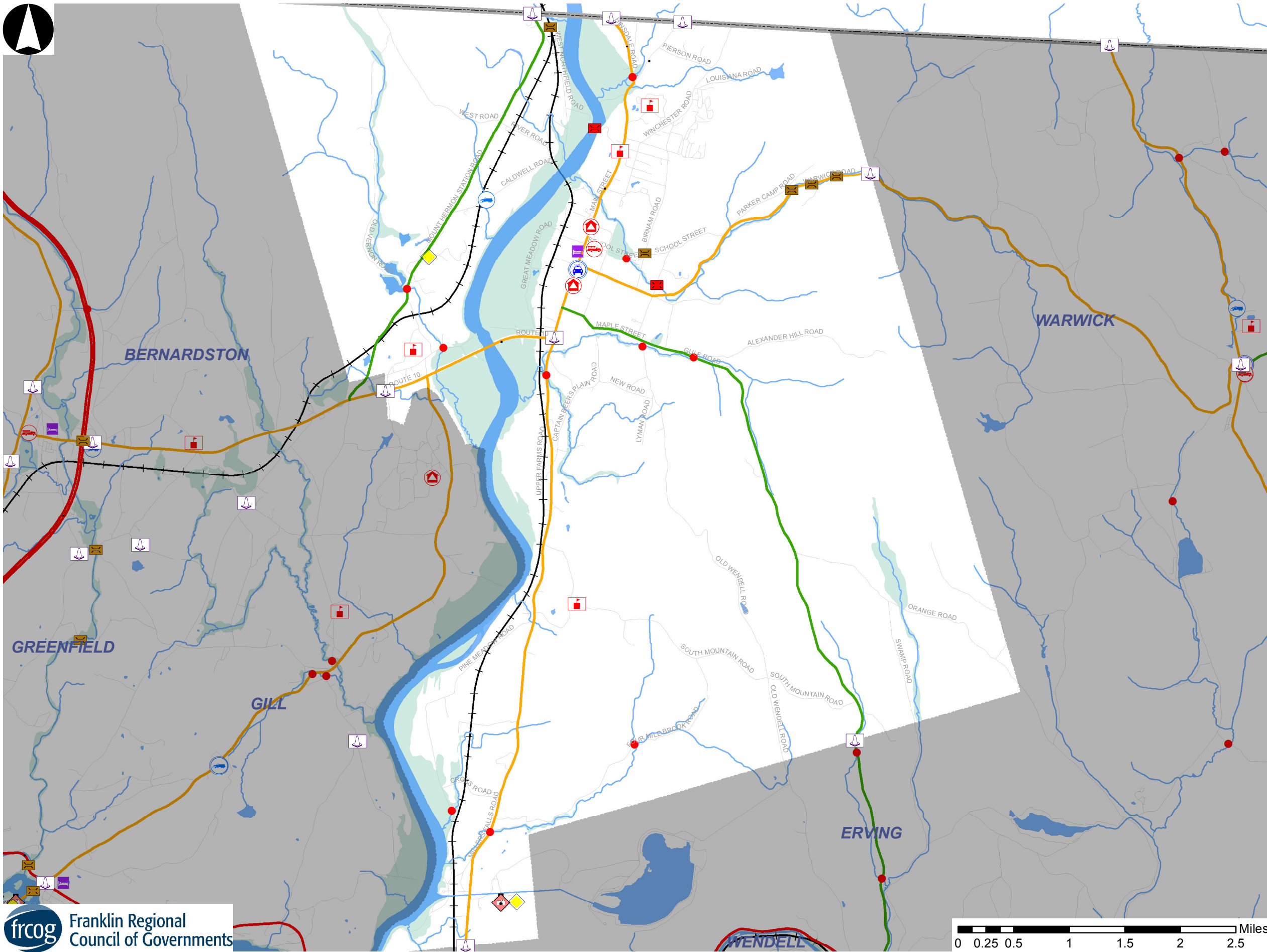


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NORTHFIELD



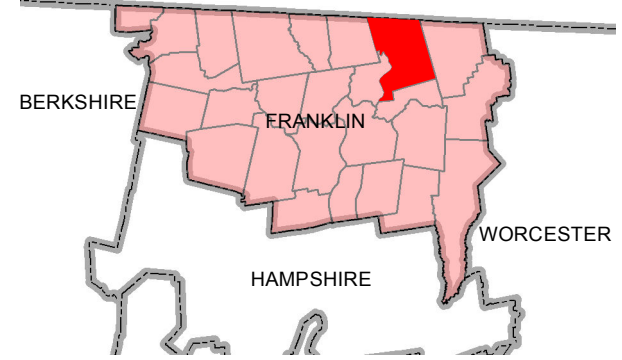
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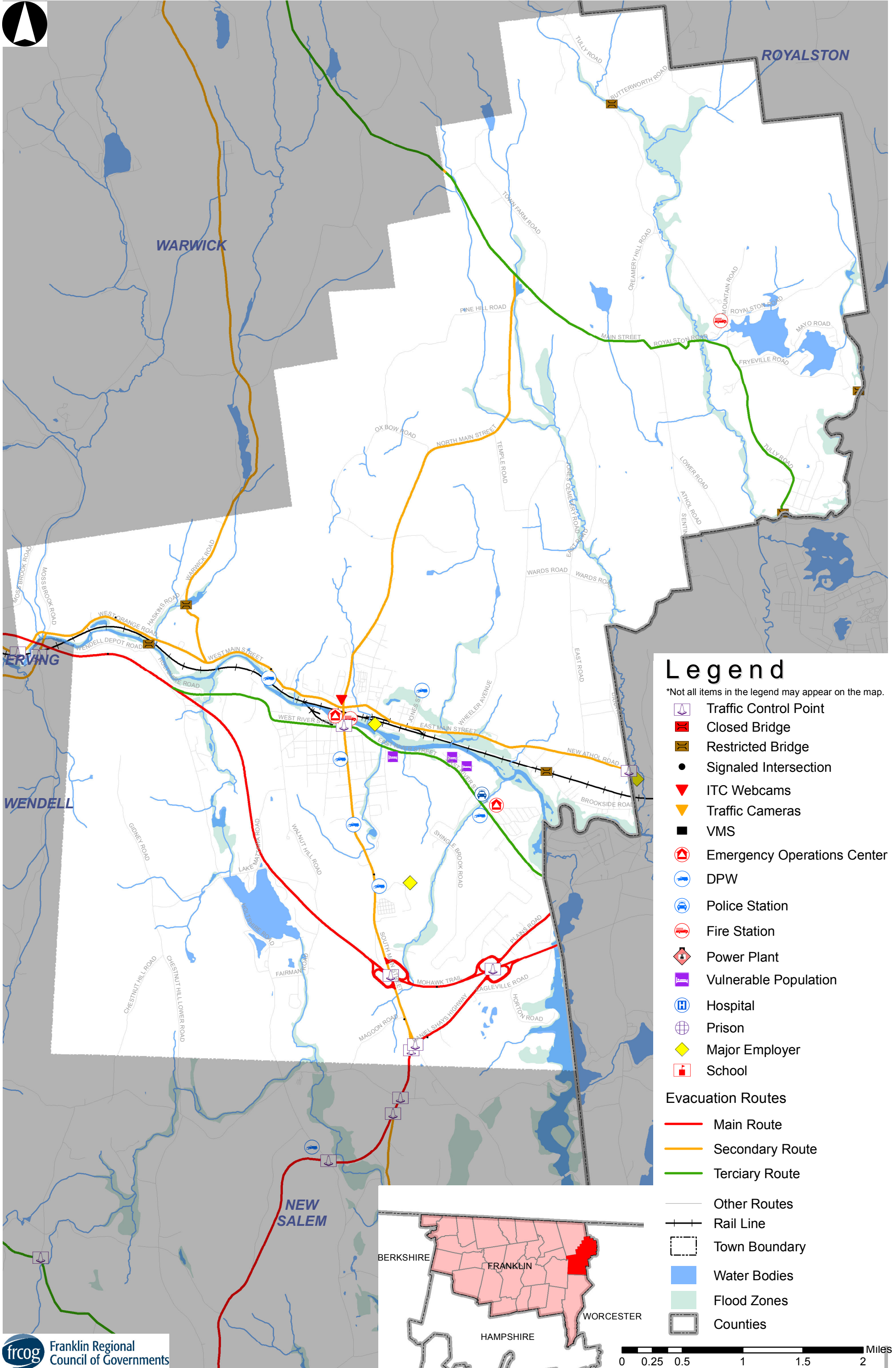
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ORANGE

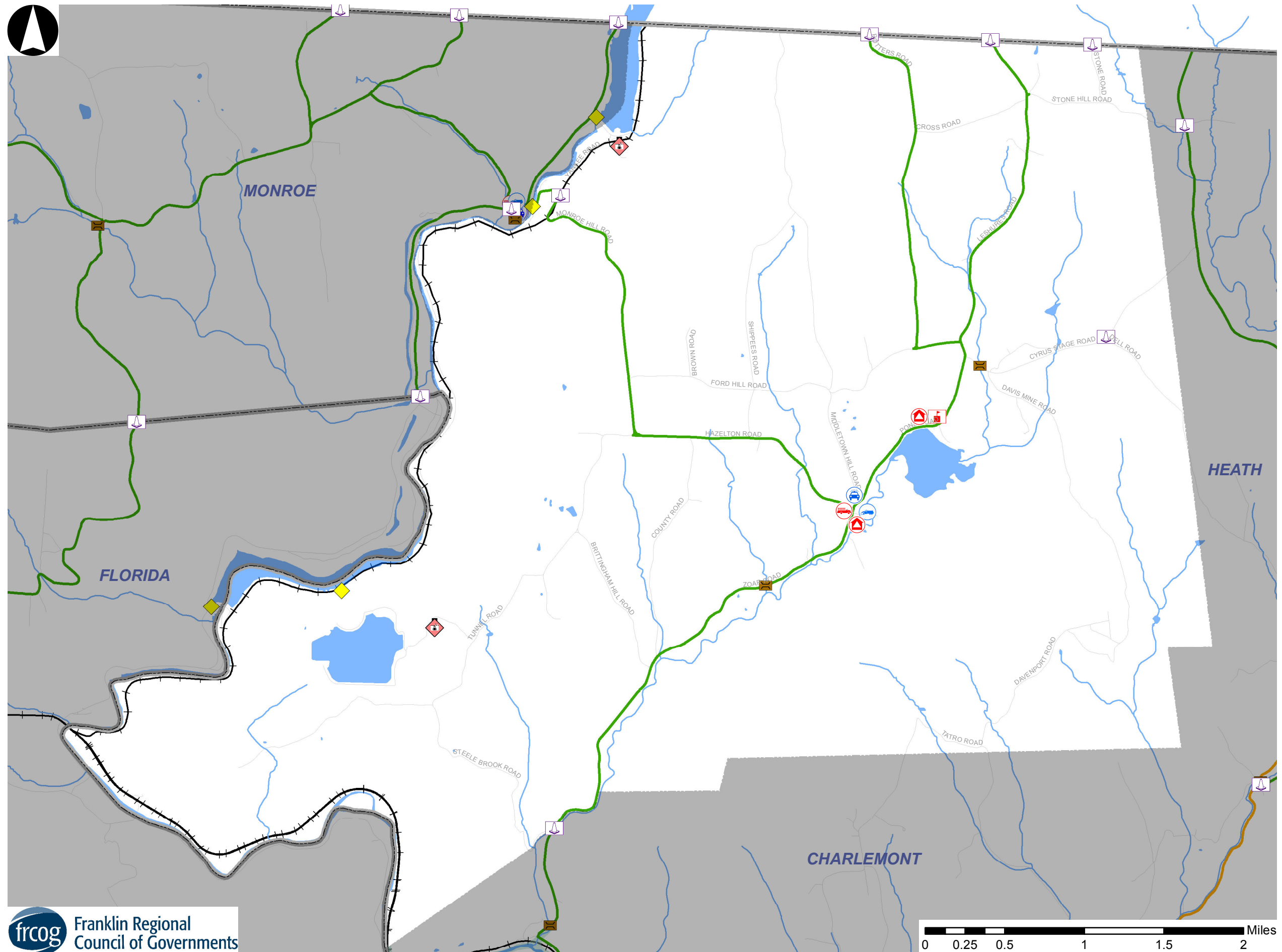


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ROWE

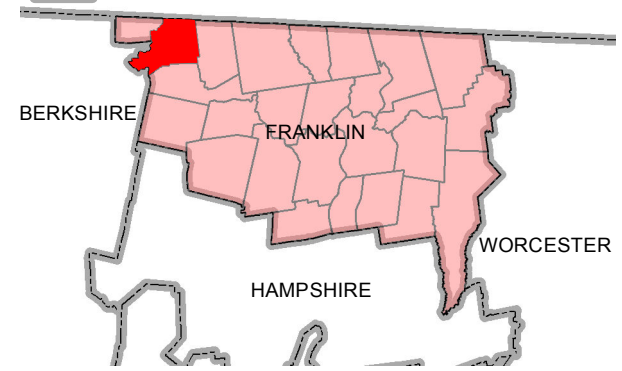


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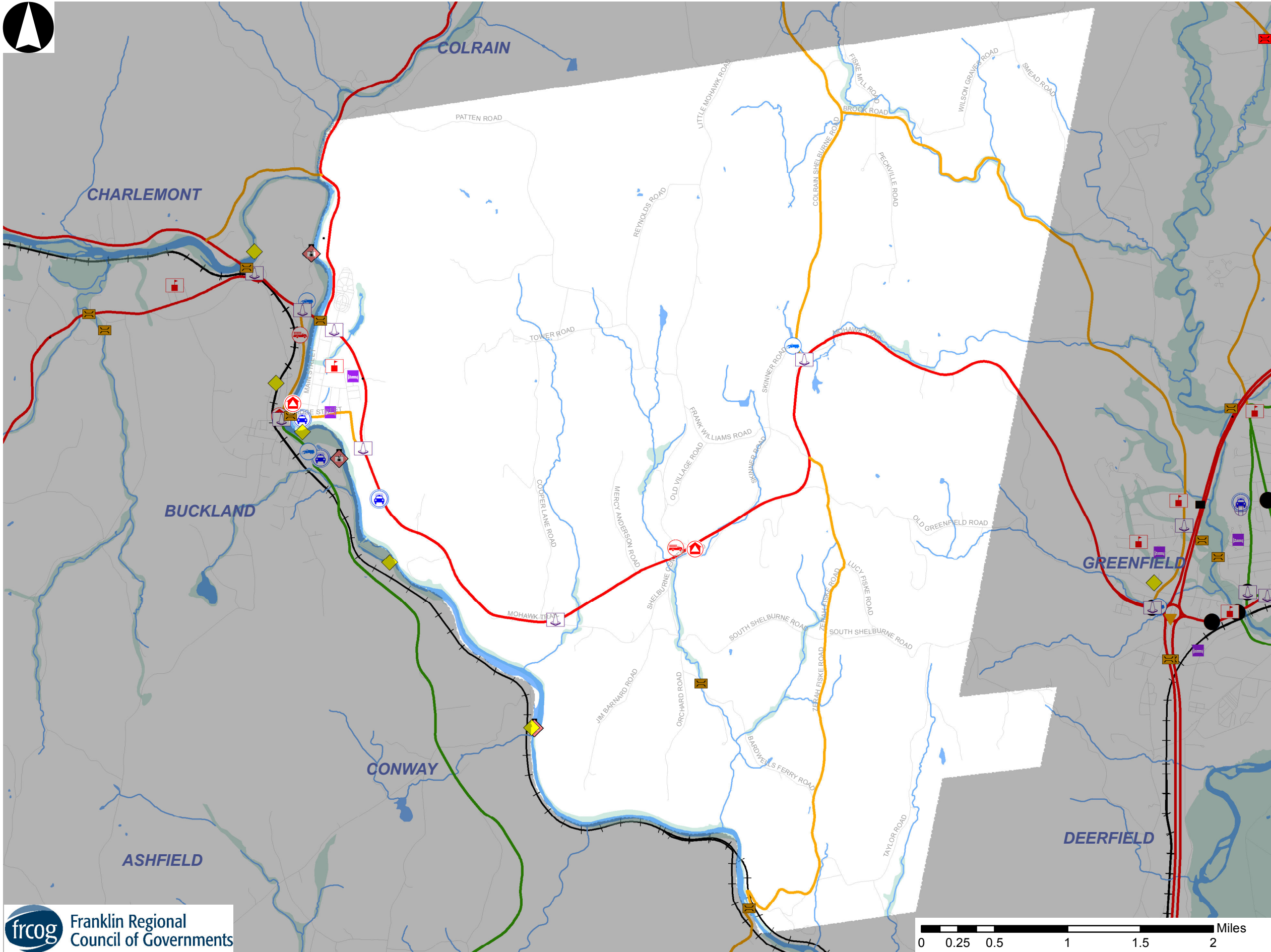
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SHELburnE



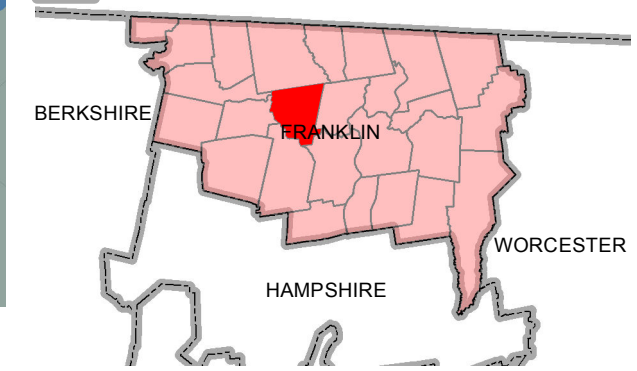
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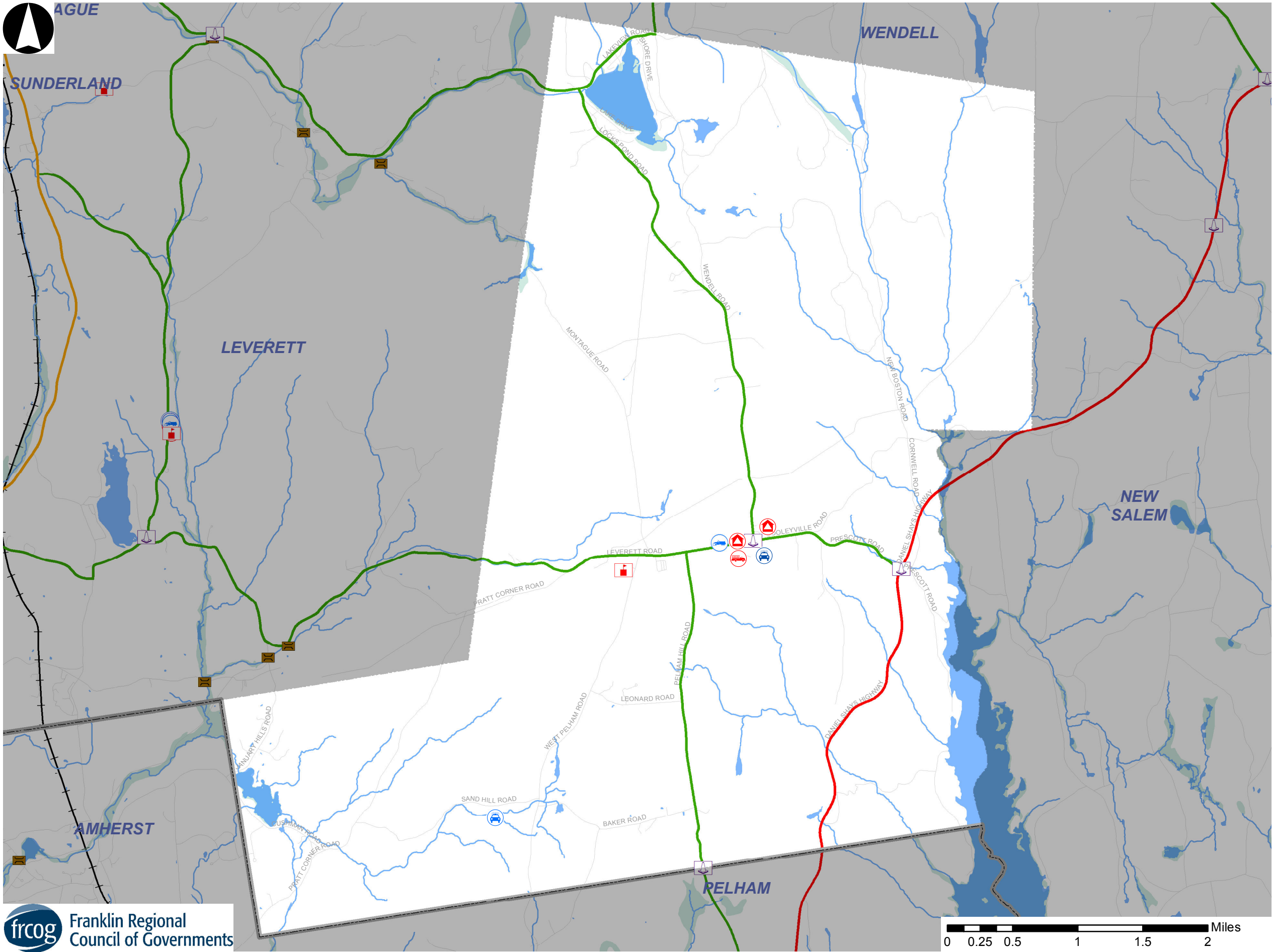
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SHUTESBURY



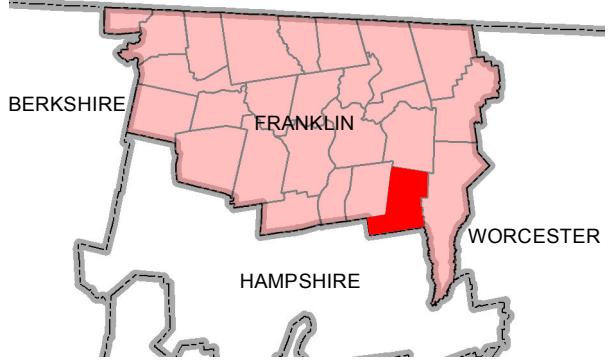
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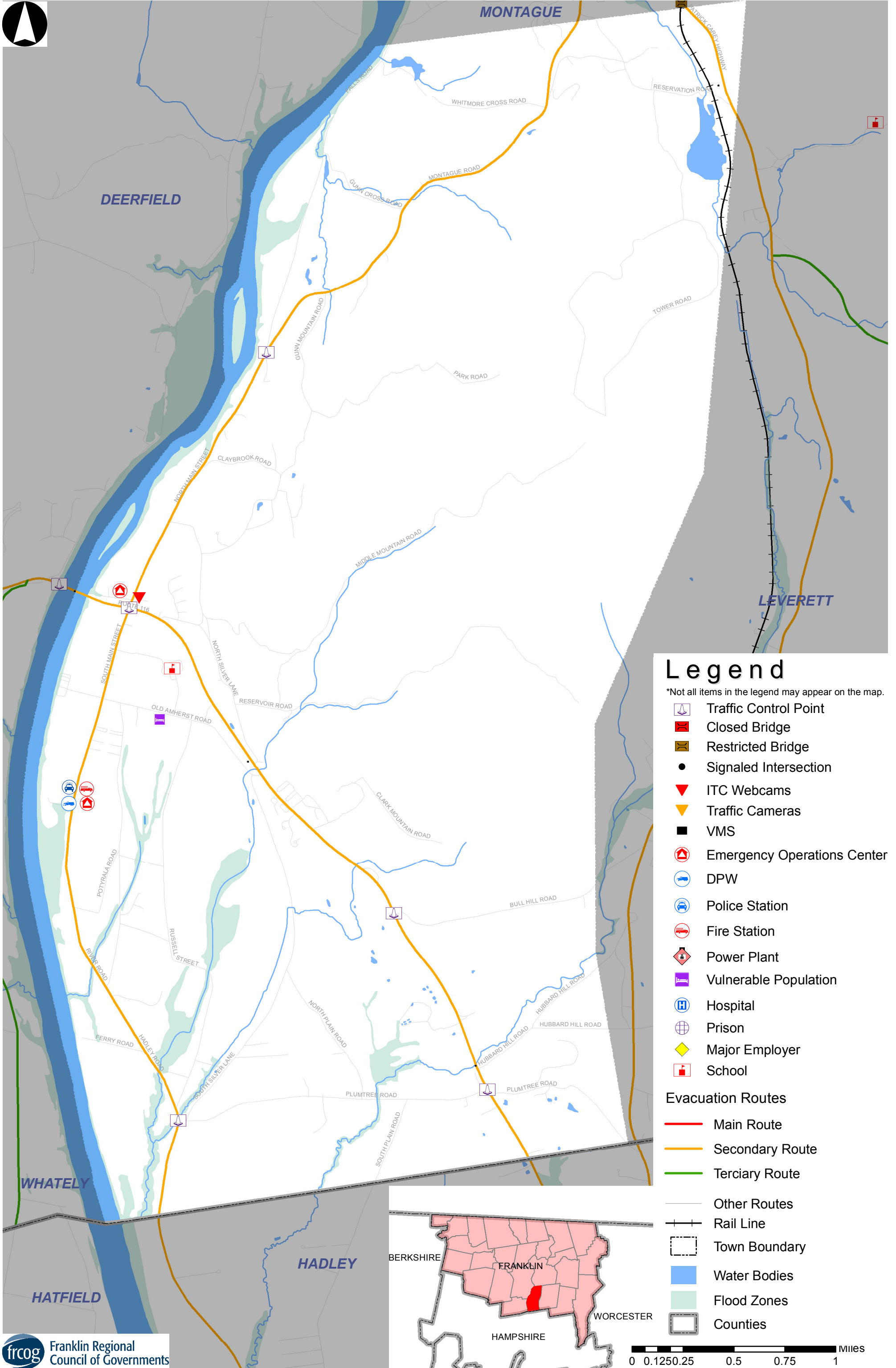
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SUNDERLAND



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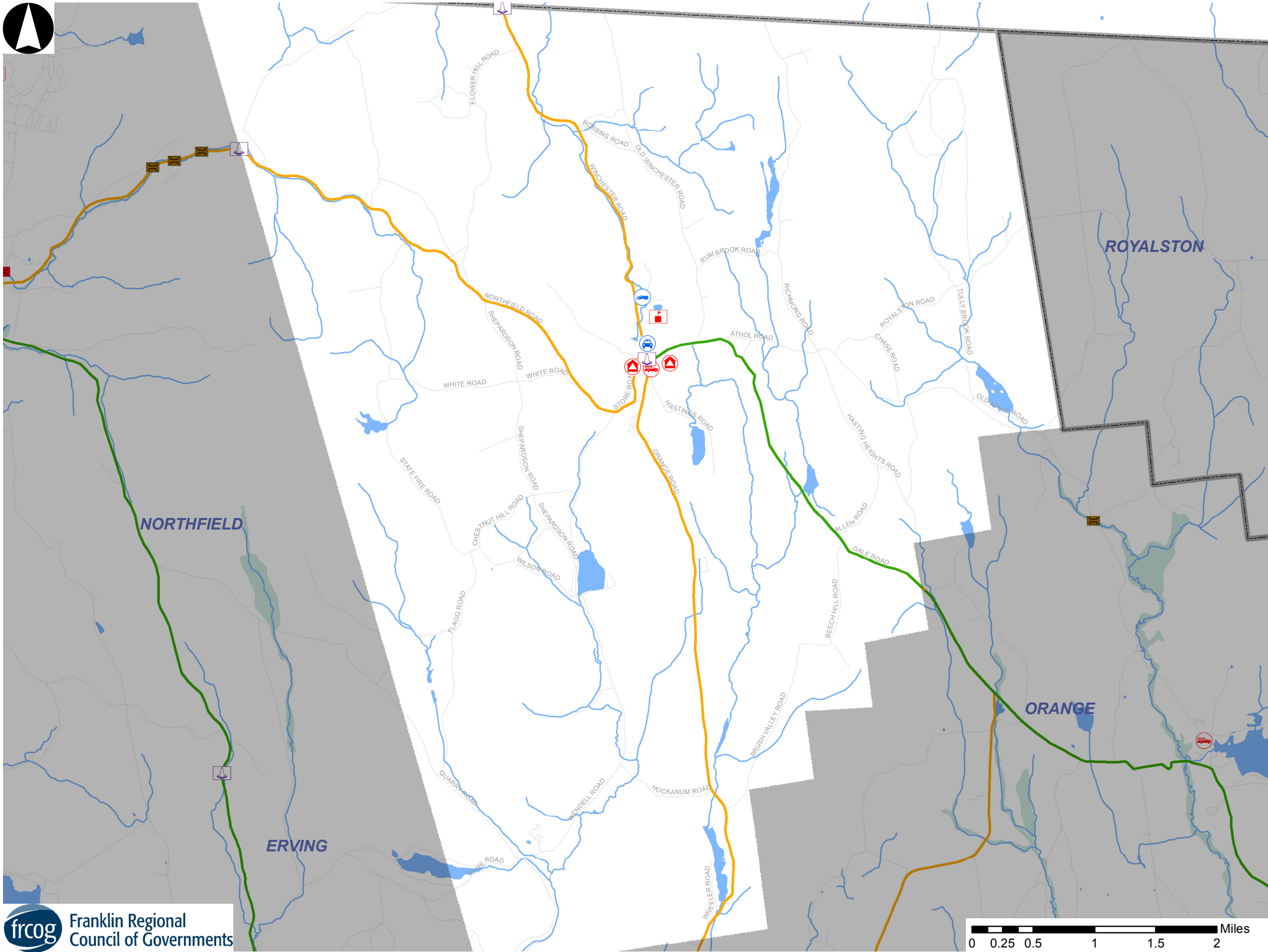
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WARWICK



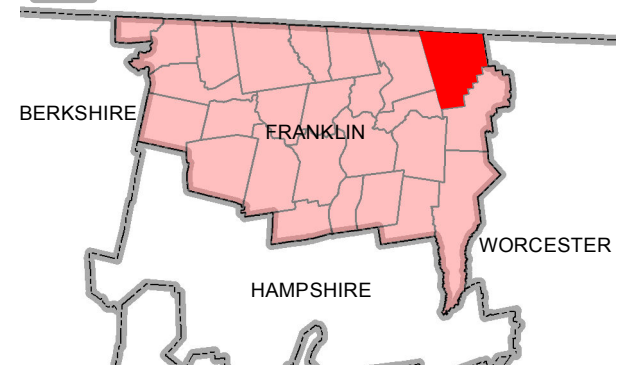
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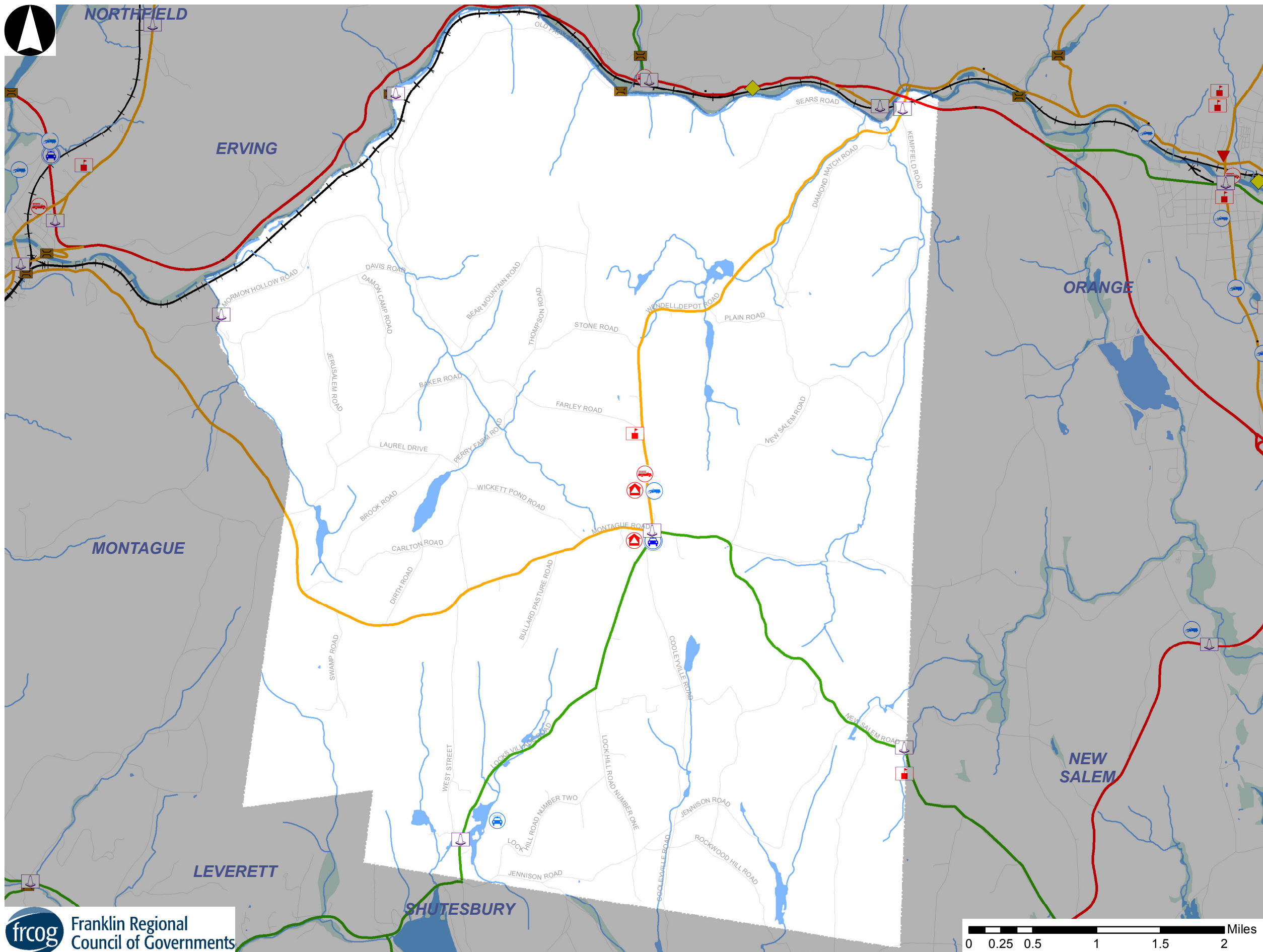
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WENDELL



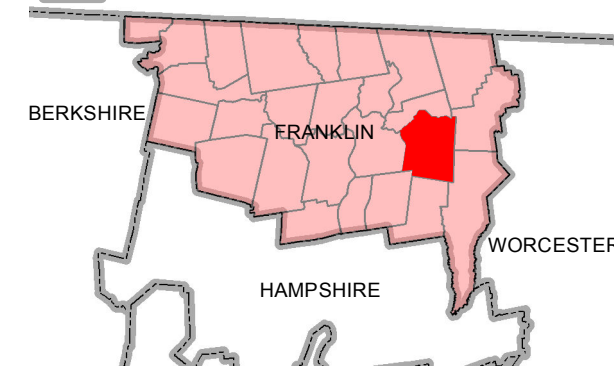
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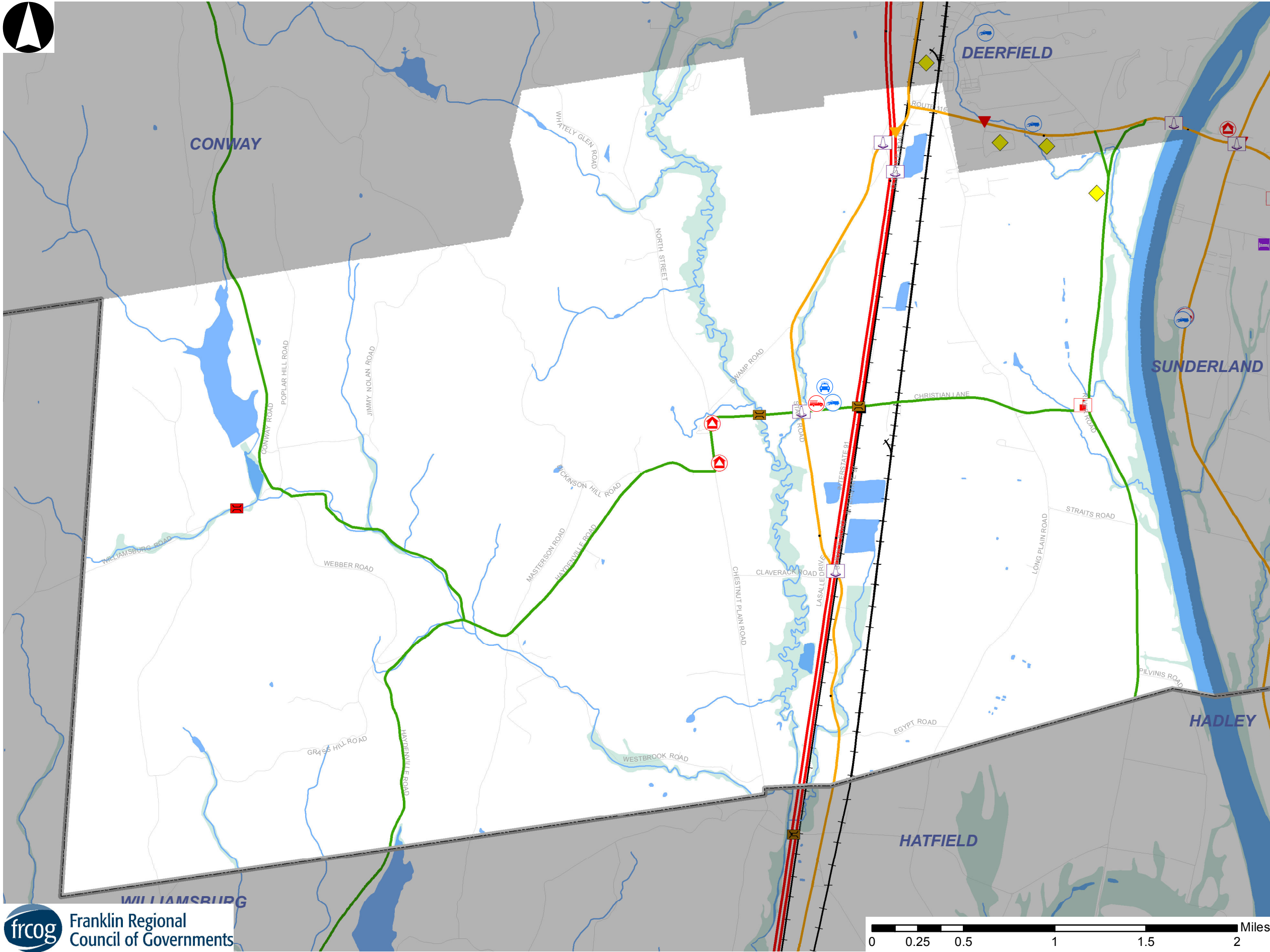
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WHATELY



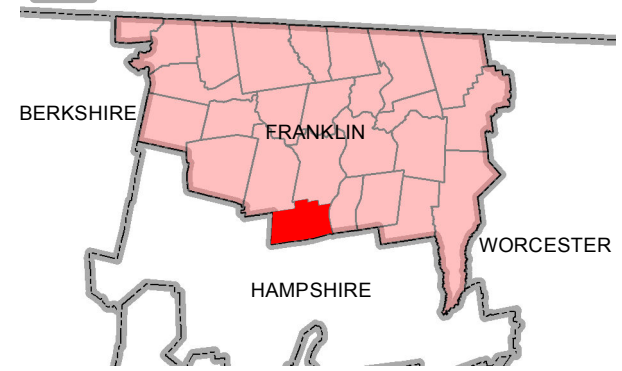
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Population Clusters

Daytime Town Populations

The population of Franklin County varies based on the time of day, as people travel to and from work and school. Using US Census Data and information on major employment centers, the daytime population of Franklin County is shown in the map below.

Towns with Daytime Population Increases

Town	Day	Night	Diff.
Greenfield	21,208	17,456	+ 3,752
Deerfield	6,501	5,125	+ 1,376

Source: US Census; MA Department of Labor and Workforce Development; 2006-2010 American Community Survey; school enrollment information.

Towns with Daytime Population Decreases

Town	Day	Night	Diff.
Sunderland	1,584	3,684	-2,100
Montague	6,476	8,427	-1,961
Orange	6,070	7,839	-1,769
Shutesbury	800	1,771	-971
Leverett	884	1,851	-967
Conway	934	1,897	-963
Northfield	2,119	3,032	-913
Bernardston	1,257	2,129	-872
Ashfield	931	1,737	-806
Buckland	1,107	1,902	-795
Colrain	931	1,671	-740
Erving	1,075	1,800	-725
Gill	922	1,500	-578
New Salem	560	990	-430
Leyden	291	711	-420
Wendell	445	848	-403
Heath	373	706	-333
Warwick	486	780	-294
Charlemont	981	1,266	-285
Shelburne	1,633	1,893	-260
Hawley	192	337	-145
Rowe	338	393	-55
Whately	1,452	1,496	-44
Monroe	107	121	-14

Source: US Census; MA Department of Labor and Workforce Development; 2006-2010 American Community Survey; school enrollment information

In order to differentiate the daytime population from the resident population (nighttime population), the following population categories were added:

- People who live in town but are not part of the labor force (children, retirees, students living at home, etc.)
- People employed within the town
- People who are unemployed
- Students (post-secondary) who do not commute and are not residents of their town
- Students (post-secondary) who commute to school¹

Towns by Nighttime Population (Resident Population)

Town	Night Population
Greenfield	17,456
Montague	8,437
Orange	7,839
Deerfield	5,125
Sunderland	3,684
Northfield	3,032
Bernardston	2,129
Buckland	1,902
Conway	1,897
Shelburne	1,893
Leverett	1,851
Erving	1,800
Shutesbury	1,771
Ashfield	1,737
Colrain	1,671
Gill	1,500
Whately	1,496
Charlemont	1,266
New Salem	990
Wendell	848
Warwick	780
Leyden	711
Heath	706
Rowe	393
Hawley	337
Monroe	121

Source: 2010 U.S. Census

¹ Only post-secondary student information was included in calculating day and night populations. Enrollment information for elementary and secondary schools in Franklin County is included on pages 16-20.

Major Employers

There are 39 employers that have 100 or over employees in Franklin County (not including public schools, discussed later). They are listed in the table below. Major employers may require additional assistance in the event of an evacuation.

Town	Company	Employees	Contact	Phone
Charlemont	Berkshire East Ski Area	100 - 249	Mark Bennett, Manager Ski School and Zipline	413-339-6618
Charlemont	Zoar Outdoor*	100 - 249	Bruce Lessels, President	800-532-7483
Deerfield, Whately	Yankee Candle Company, Inc.	1,000 - 4,999	James Pellegrino, Safety Manager	413-665-8306
Deerfield	Pelican Products, Inc.	500 - 999	Christopher Moore, Security Manager	413-665-2163 x2214
Deerfield	Deerfield Academy	250 - 499	Keith Finan, Operations Chief	413-774-1401
Deerfield	Channing Bete Company, Inc.	100 - 249	Bob Underhill, Exec. VP/CFO	413-665-6375
Deerfield	Historic Deerfield, Inc.	100 - 249	-	413-774-5581
Deerfield	Comprehensive Home Care	100 - 249	-	413-665-9058
Erving	Erving Industries	100 - 249	-	413-422-2700
Gill	Northfield Mount Hermon School	250 - 499	-	413-498-3000
Gill	F.M. Kuzmeskus, Inc.	100 - 249	Darlene Kuzmeskus, President, CEO	413-863-2595; after hours: 413-221-0706, 413-221-7511, or 413-221-8514
Greenfield	Baystate Franklin Medical Center	250 - 499	-	413-773-0211
Greenfield	Greenfield Community College	250 - 499	-	413-775-1000
Greenfield	Argotec, Inc.	100 - 249	-	413-772-2564
Greenfield	Bete Fog Nozzle, Inc.	100 - 249	-	413-772-0846
Greenfield	Buckley Healthcare Center	100 - 249	-	413-774-3143
Greenfield	Charlene Manor Extended Care	100 - 249	-	413-774-3724
Greenfield	Coca Cola Bottling Company	100 - 249	-	413-772-2617
Greenfield	Franklin County Agricultural Society	100 - 249	-	413-774-4282
Greenfield	Franklin County Sheriff	100 - 249	-	413-774-4014
Greenfield	Greenfield Savings Bank	100 - 249	-	413-774-3191
Greenfield	Home Depot	100 - 249	-	413-773-9150
Greenfield	Kennametal, Inc.	100 - 249	-	413-772-3200
Greenfield	Sandri Company	100 - 249	-	413-772-2121
Greenfield	Stop N Shop Supermarket	100 - 249	-	413-774-6293
Greenfield	Big Y Supermarket	100 - 249	-	413-772-0435
Greenfield	The Recorder	100 - 249	-	413-772-0261
Montague	Farren Care Center, Inc.	250 - 499	-	413-774-3111
Montague	Con Agra Foods Inc. (formerly Lightlife Foods Inc.)	100 - 249	-	413-774-9000
Montague	Heat-Fab, Inc.	100 - 249	-	413-863-2242
Montague	Judd Wire, Inc.	100 - 249	-	413-863-4357

Town	Company	Employees	Contact	Phone
Montague	Mechanics Lodge	100 - 249	-	413-773-9805
Northfield	Lane Construction Corp.	100 - 249	-	413-498-2956
Orange	MBW, Inc.	100 - 249	-	978-544-6462
Orange	Quabbin, Inc.	100 - 249	-	877-782-2246
Orange	Rodney Hunt Company	100 - 249	-	978-544-2511
Orange	Wal-Mart	100 - 249	-	978-544-5800
Sunderland	All States Asphalt, Inc.	100 - 249	-	413-665-7021

* Employment level changes according to season.

Source: MA Department of Workforce Development: 2012 Largest Employers by Area; FRCOG: 2012 Franklin County Regional Transportation Plan.

Hospitals

There is 1 hospital in Franklin County.

Town	Hospital	Beds	Address	Contact	Phone	Services Provided	Available Transportation	Evacuation Plan
Greenfield	Baystate Franklin Medical Center	93	164 High Street	Joe Zukowski	413-773-0211 x32572	Blood Donor Program; Regional Cancer Program; Behavior Health Services; Heart and Vascular Program; Radiology and Imaging; Sports Medicine; Surgery; Birthplace	Baystate Health Ambulance	Internal within hospital, then to Sanderson St. facility. If worse, would call MEMA

Source: Outreach conducted by FRCOG staff, 2011.

Senior Care Facilities

There are 7 senior and long term care facilities in Franklin County.

Town	Facility	Beds	Facility Type	Address	Contact	Phone	Available Transportation	Evacuation Plan
Greenfield	Buckley-Greenfield Healthcare Center	120	Nursing Home	95 Laurel St.	Edin Barone	413-774-3143	Have agreement with Franklin Regional Transit Authority (FRTA)	MassMAP* member
Greenfield	Charlene Manor Extended Care	123	Nursing Home	130 Colrain Rd.		413-774-3724	None	MassMAP member
Greenfield	Poet's Seat Health Care Center	63	Nursing Home	359 High St.	Andy Goodsell	413-774-6318	Have agreement with Baystate Health Ambulance	Have agreements with Charlene Manor, BFMC** to take high risk patients if beds available. Would then look outside area.
Greenfield	The Arbors at Greenfield	76 apts.	Assisted Living	15 Meridian St.		413-774-4400	14 passenger van. Can get vans from other Arbors facilities	Other Arbor facilities, understanding with other local care facilities
Montague	Farren Care Center	122	Nursing Home	340 Montague City Rd.	Jim Clifford	413-774-3111	8 vans, seat 6, up to 2 wheelchairs; 1 car, seats 4; 1 pickup, seats 3	MassMAP member. Informal stopover point at Franklin County Tech. High School (need to execute MOU)
Shelburne	Labelle's Rest Home			3 High St.				
Sunderland	Cozy Corner Nursing Home, Inc.	36	Nursing Home	61 Old Amherst Rd.		413-665-2740	1 van, seats 10-12 people, up to 4 wheelchairs	MassMAP member. Stopover point at Congregational Church in Sunderland.

* Massachusetts Long Term Care Mutual Aid Plan. See <http://www.mutualaidplan.org/Info/Default.aspx?OrgID=108> for more information.

** Baystate Franklin Medical Center.

Sources: Massachusetts Long Term Care Mutual Aid Plan member listings, October 2011; outreach conducted by FRCOG staff, 2011.

Descriptions of the different types of senior facilities are as follows:

Nursing homes provide the highest level of care, with feeding, bathing, and health services. Residents will be in the greatest need of assistance during an evacuation and will likely require medical assistance.

Rest homes include supportive services, such as help in preparing food or cleaning, without routine medical attention. Residents likely do not have their own transportation but also likely do not need medical assistance.

Assisted living and continuing care facilities provide supportive services, including help with personal tasks and household management. While residents of these facilities do not necessarily require medical assistance, they also do not necessarily have their own transportation and often rely generally on paratransit services.

Continuing care facilities combine the aspects of nursing homes, assisted living facilities, and rest homes. These facilities offer elderly individuals the ability to age in place by providing several tiers of care at a single location. These residents may have a range of varying medical, mobility, and transportation requirements.

Senior Housing Complexes

There are 9 senior housing complexes in Franklin County. It should be noted that not all of the housing facilities listed are exclusively senior housing, but have been identified as likely having elderly populations who may need assistance evacuating.

Town	Facility Name	Housing Units	Address	Contact	Phone	Available Transportation	Evacuation Plan
Bernardston	Stratton Manor	20		HRA*	413-863-9781	Personal vehicles	Rely on town plan
Gill	Stoughton Village	14	12 Main Rd.	HRA	413-863-9781	Personal vehicles	Rely on town plan
Greenfield	Elm Terrace Apartments	107	1 Elm Terrace	Kate Mitchell, GHA**	413-774-2932	Personal vehicles	Can send blast phone calls, otherwise rely on town plan
Greenfield	Sullivan Lane	11	Elm St.	Kate Mitchell, GHA	413-774-2932	Personal vehicles	Can send blast phone calls, otherwise rely on town plan
Greenfield	Morgan Allen House	< 20	497 Main St.	Kate Mitchell, GHA	413-774-2932	Personal vehicles	Can send blast phone calls, otherwise rely on town plan
Greenfield	Weldon House	105	54 High St.		413-772-6543	Personal vehicles	Rely on town plan
Montague	Winslow Wentworth	17		HRA	413-863-9781	Personal vehicles	Rely on town plan
Northfield	Squakheag Village	20		HRA	413-863-9781	Personal vehicles	Rely on town plan
Shelburne	Highland Village	Highland Ave.	46	HRA	413-863-9781	Personal vehicles	Rely on town plan

* Franklin County Regional Housing and Redevelopment Authority.

** Greenfield Housing Authority

Source: Outreach conducted by FRCOG staff, 2011.

Educational Institutions

Non-Boarding Public Schools

Students who attend non-boarding schools live at home with their families and have local transportation accommodations already provided. For Evacuations that occur when school is not in session, these students are anticipated to evacuate with their families and do not require special considerations. For an evacuation while school is in session, all public schools should have evacuation plans in place, as required by the state. Preschools are also required through the state to have evacuation plans. These plans should be reviewed regularly, and updated as needed. Schools should assure that adequate transportation is available for a large scale evacuation of more than one school in a region (for example, in the case of a dam failure on the Deerfield River).

Town	Facility	Enrollment	Address	District	Phone
Ashfield	Sanderson Academy (elementary)	122	808 Cape St.	Mohawk Trail	413-628-4404
Bernardston	Bernardston Elementary School	213	37 School Rd.	Pioneer Valley	413-648-9356
Buckland	Mohawk Trail Regional School (middle and high school)	566	26 Ashfield Rd.	Mohawk Trail	413-625-9811
Charlemont	Hawlemont Regional School (elementary)	98	10 School St.	Mohawk Trail	413-339-8316
Colrain	Colrain Central School (elementary)	108	22 Jacksonville Rd.	Mohawk Trail	413-624-3451
Conway	Conway Grammar School	177	Fournier Rd.	Frontier	413-369-4239
Deerfield	Deerfield Elementary School	478	21 Pleasant St.	Frontier	413-665-1131
Deerfield	Frontier Regional School (middle and high school)	692	113 North Main St.	Frontier	413-665-2118
Erving	Erving Elementary School	164	28 Northfield Rd.	Gill Montague	413-423-3326
Gill	Gill Elementary School	135	48 Boyle Rd.	Gill Montague	413-863-3255
Greenfield	Federal Street School (elementary)	205	125 Federal St.	Greenfield	413-772-1383
Greenfield	Four Corners School (elementary)	162	21 Ferrante Ave.	Greenfield	413-772-1378
Greenfield	Four Rivers Charter School (middle and high school)	210	248 Colrain Rd.	Charter	413-775-4577
Greenfield	Greenfield High School	483	1 Lenox Ave.	Greenfield	413-772-1350
Greenfield	Greenfield Middle School	441	195 Federal St.	Greenfield	413-772-1360
Greenfield	Newton Street School (elementary)	197	70 Shelburne Rd.	Greenfield	413-772-1370
Greenfield	Academy of Early Learning (pre-school)	85	15 Place Terrace	Greenfield	413-772-1390
Heath	Heath Elementary School	80	Jacobs Rd.	Mohawk Trail	413-337-5307
Leverett	Leverett Elementary School	159	85 Montague Rd.	Union 28	413-548-9144
Leyden	Pearl E. Rhodes Elementary School	54	Brattleboro Rd.	Pioneer Valley	413-772-6245
Montague	Franklin County Technical High School	502	82 Industrial Blvd.	Vocational	413-863-4239
Montague	Great Falls Middle School	251	224 Turnpike Rd.	Gill Montague	413-863-7300
Montague	Montague Elementary School	401	43 Crocker Ave.	Gill Montague	413-863-9326
Montague	Turners Falls High School	294	222 Turnpike Rd.	Gill Montague	413-863-7200

Town	Facility	Enrollment	Address	District	Phone
New Salem	Swift River Elementary School	145	201 Wendell Rd.	Union 28	978-544-6926
Northfield	Northfield Elementary School	276	Main St.	Pioneer Valley	413-498-5842
Northfield	Pioneer Valley Regional School (middle and high school)	536	97 F.S. Turner Rd.	Pioneer Valley	413-498-2931
Orange	Butterfield School (elementary)	216	94 South Main St.	Orange Elementary	978-544-6136
Orange	Dexter Park School (elementary)	288	3 Dexter St.	Orange Elementary	978-544-6080
Orange	Fisher Hill School (elementary)	282	59 Dexter St.	Orange Elementary	978-544-0018
Orange	Ralph C. Mahar Regional School (middle and high school)	802	507 South Main St.	Ralph C. Mahar	978-544-2542
Rowe*	Rowe Elementary School	66	86 Pond Rd.	Mohawk Trail	413-339-8381
Shelburne	Buckland-Shelburne Elementary School	197	75 Mechanic St.	Mohawk Trail	413-625-2521
Shutesbury	Shutesbury Elementary School	146	23 West Pelham Rd.	Union 28	413-259-1212
Sunderland	Sunderland Elementary School	172	1 Swampfield Dr.	Frontier	413-665-1151
Warwick	Warwick Community School (elementary)	53	41 Winchester Rd.	Pioneer Valley	978-544-6310
Whately	Whately Elementary School	138	273 Long Plain Rd.	Frontier	413-665-7826

Non-Boarding Private Schools

Private schools should also maintain evacuation plans for their students, including ensuring available transportation.

Town	School Name	Enrollment	Address	Phone	Available Transportation	Evacuation Plan
Ashfield	Ashfield Community Preschool	35	103 Baptist Corner	413-628-3248		
Bernardston	Community Action at Bernardston Betterstart	Up to 20	37 School Rd.	413-648-9061	Staff/program vehicles or contracted services	GCC is off-site location, parents would then be notified to pick up. Also have supplies to shelter in place.
Charlemont	Academy at Charlemont	115	1359 Route 2	413-339-4912	Yes	No off-campus sites identified
Gill	Four Winds School	14	54 French King Hwy.	413-863-8055		
Gill	Giving Tree School (preschool)	Up to 20	3 Wood Ave.	413-863-9218	Agreement with Kuzmeskus for VT Yankee evacuation	On-site and off-site plans. For VT Yankee, would evacuate to GCC* or UMass
Greenfield	Cornerstone Christian School	55	385 Chapman St.	413-772-1063	Van, seats 10-12	On-site plans only
Greenfield	Greenfield Center School	92	71 Montague City Rd.	413-773-1700	Parents would pick-up	Walk to meeting point on or off campus, call parents through emergency call system.
Greenfield	First Church Nursery School	21	43 Silver St.	413-773-3068	Agreement with bus company	Would evacuate to a shelter, then call parents
Greenfield	Girls Club of Greenfield (preschool and after school)	60 - 86	35 Pierce St.	413-774-7407	Agreements with Kuzmeskus	GCC is off-site location
Greenfield	YMCA (preschool and after school)	34	451 Main St.	413-773-3646 x431	Transportation not needed for off-site evacuation	On-site and off-site locations
Greenfield	Community Action at Washington St.	Up to 34	86 Washington St.	413-475-1530	Staff/program vehicles or contracted services	GCC is off-site location, parents would then be notified to pick up. Also have supplies to shelter in place.
Montague	Community Action at G Street	Up to 39	110 G St.	413-475-1400	Staff/program vehicles or contracted services	GCC is off-site location, parents would then be notified to pick up. Also have supplies to shelter in place.
Montague	Community Action at Central Street	Up to 37	34 Central St.	413-475-1520	Staff/program vehicles or contracted services	GCC is off-site location, parents would then be notified to pick up. Also have supplies to shelter in place.
Montague	Ja'Duke Preschool	49	110 Industrial Blvd.	413-863-8333	Walk to off-site location, parents then pick up	Walk to Franklin County Tech. School, follow their procedures
Northfield	Community Action at Northfield Betterstart	Up to 20	104 Main St.	413-498-4500	Staff/program vehicles or contracted services	GCC is off-site location, parents would then be notified to pick up. Also have supplies to shelter in place.
Orange	Educare (preschool)	20 - 23	217 E. Main St.	978-544-6372	Agreement with Town to send buses	Armory or Fisher Hill School
Orange	Community Action at North Orange	Up to 34	168 Athol Rd.	978-575-0522	Staff/program vehicles or contracted services	Mahar Regional School is off-site location, parents would then be notified to pick up. Also have supplies to shelter in place.

* Greenfield Community College.

Source: School websites and outreach conducted by FRCOG staff, 2011.

* Due to a fire that destroyed the Rowe Elementary School in August 2012, students from Rowe will be attending other elementary schools in the region for the foreseeable future.

Boarding Schools

There are five private boarding schools in Franklin County. Students at boarding schools reside at the school while classes are in session and do not have access to personal transportation. These students will require mass transportation options during an evacuation. In addition, during an evacuation of one of these schools, the school should contact the families of all students.

Town	Facility	Enrollment	Address	Contact	Phone	Available Transportation	Evacuation Plan
Deerfield	Bement School	245 (40 boarding)	94 Old Main St.	Ken Cuddeback	413-774-7061	3 14-passenger vans 3 17-passenger vans	On-site plans, no off-site location designated. Working on updating.
Deerfield	Deerfield Academy	630 (550 boarding)	7 Boyden Ln.	David Gendron	413-774-1558	3 buses, some vans with capacity to carry half of the population. Also use Kuzmeskus and other bus companies	Shelter in place or evacuate to sister schools, such as Phillips Exeter/Andover
Deerfield	The Eaglebrook School	260 (200 boarding)	Pine Nook Road	Eric Malloy	413-774-7411	Yes	Evacuate to other private school, or send boarders to host families
Gill	Northfield Mount Hermon School	650 (450 boarding)	One Lamplighter Way	Paul Bartlett	413-498-3000	Agreements with Kuzmeskus	For VT Yankee and any mass evacuation – transport to GCC as stopover, then to UMass
Greenfield	Stoneleigh Burnham School	140 (90 boarding)	574 Bernardston Rd.	Leslie Brown	413-774-2711	Some but not enough for all students. Need formal agreements with a bus company	Agreement to send students to Greenfield High School, possibly another location as well

Sources: School websites and outreach conducted by FRCOG staff, 2011.

Colleges and Universities

There is one community college in Franklin County, Greenfield Community College (GCC), and two post-secondary institutions, the Hallmark Institute of Photography and the Conway School of Landscape Design. All three schools do not provide housing on campus, and students must have their own vehicles or use Private transit to get to and from classes. The biggest issue may be traffic congestion due to a mass evacuation at GCC, where there is only one road in and out of campus.

Town	College or University	Students Living On Campus	Live Off Campus	Contact Information
Conway	Conway School of Landscape Design	None	19	
Greenfield	Greenfield Community College	None	3,000+	Bill Mayrose 413-775-1299
Montague	Hallmark Institute of Photography	None	100	413-863-4038

Source: School websites and FRCOG staff outreach, 2011/2012.

Camps

There are a variety of camps located in Franklin County for children and adolescents. Campers at stay-over camps are dropped off by their parents or guardians and do not have immediate personal access to transportation, and will require mass transportation options during an evacuation. In addition, during an evacuation of a camp, it is critical that the individual camp contact the families of all campers to notify them.

Town	Camp Name	Address	Contact Information	Avg. Attendees	Targeted Age Groups	Type	Dates	Transportation	Evacuation Plan
Deerfield	Journey Camp	107 Keets Rd.	413-522-0027	50	7 - 18	Day, 2 over-nights	July to mid-Aug (4 weeks total)	No	No. Would need assistance evacuating
Greenfield	Camp Keewanee	Glenbrook Dr.	413-773-8819 (main); 413-522-8708 (cell)	110	5 - 14	Day	July to mid-August	Agreement with Kuzmeskus	Yes. Transport to GCC
Leyden	Camp Lion Knoll	Oak Hill Rd.	413-772-6486	65	4.5 - 15	Day	End June to mid-Aug	Agreement with Kuzmeskus	Yes
Rowe	Rowe Camp and Conference Center	22 King's Highway	413-339-4954	125	8 - 18	Over-night	June thru Aug	Yes	Yes
Shelburne	Camp Apex	Peckville Rd.	413-625-2493		6 - 14	Day	Mid-June thru Aug	-	-
Shutesbury	Pine Brook Camp	210 Lakeview Rd.	413-367-2643	30 - 100	6 - 18	Day, over-night	July to mid-Aug	-	No full-scale evacuation plan

Source: FRCOG staff outreach, 2011/2012.

Prisons/Correctional Facilities

There is one inmate facility in Franklin County. Evacuation of this facility will require additional care to ensure that inmates do not escape. Police enforcement and prison transportation services will need to be employed for this purpose.

Town	Facility	Cells	Address	Contact	Phone	Evacuation Plan
Greenfield	Franklin County Jail and House of Correction	Nearly 200	160 Elm St.	Jason Kilgour, or Assistant Superintendent Kevin Brown	413-774-4014 x2148 (Kilgour) or x2137 (Brown)	Shelter in place unless absolutely necessary to evacuate. Would contact other prison facilities for space availability to send inmates

Source: FRCOG staff outreach, 2011.

Natural Features

The following are a list of natural features possibly relevant to evacuations in Franklin County. More information about these natural features can be found in the Hazard Mitigation Plans for Franklin County, accessible on town websites or by contacting the Franklin Regional Council of Governments (FRCOG) Natural Resources Program Manager.

Floods

Flooding is one of the most common natural hazards in Franklin County. The Connecticut, Deerfield, and Millers Rivers are major waterways that bisect the county east to west and north to south. Numerous smaller rivers and tributaries feed into these larger rivers. The hilly terrain in the higher elevations of the county creates the conditions for flash floods during large rainstorms, causing erosion, road washouts, and potential personal property damage. Much of the farmland in the lowland areas of the county is within the 100-year floodplain. Many of the villages and urban centers in the region are also located adjacent to rivers, which once powered mills, and are susceptible to flooding. These areas may need to be evacuated during large flood events. Flooding also can make evacuation difficult due to washed out roadways. Even primary routes are susceptible to damage from flooding, as demonstrated by Tropical Storm Irene in August 2011, when both Interstate 91 and Route 2 were impacted.

The probability of a 100-year flood is 1-percent chance of occurring in any given year. The probability of a 500-year flood is 0.2 percent chance of occurring in any given year.

Bodies of Water

Connecticut River	Millers River
Quabbin Reservoir	Deerfield River
Green River	

Geographic Features

River valleys and hills characterize the main geographic features of Franklin County. The Connecticut River Valley is flat and wide in the southern section of the county in the towns of Sunderland, Whately, Deerfield, and Montague, and gradually becomes narrower in the central and northern parts of the county as steep hills and slopes rise up on either side of the river. The Berkshires dominate the western portion of the county, with roads following steep river valleys or climbing over mountains, creating formidable driving conditions during poor weather. The eastern part of the county consists of heavily forested areas and rolling highlands. The northern end of the Quabbin Reservoir creates a barrier for travelling east from the south-eastern section of the county. Franklin County is heavily forested overall. Main roads tend to follow rivers and streams, and are therefore very susceptible to damages from flooding, as mentioned above.

Berkshire Hills
Connecticut River Valley
Quabbin Reservoir
Forests

Critical Infrastructure

The following sections identify hazards associated with critical infrastructure during an evacuation.

Critical infrastructure of the water and energy sectors is currently being studied through a project called the Fusion Center, funded by the Western Massachusetts Homeland Security Advisory Council. The project is examining vulnerabilities that exist to critical infrastructure in the region and which effect emergency response efforts. The purpose of this project is to improve emergency planning in the region by identifying vulnerabilities and making recommendations on how to make facilities safer and more secure.

Bridges with Restrictions or Closures

All bridges with a span greater than 20 feet throughout the state undergo routine structural inspection. Using a rating system developed by the American Association of State Highway and Transportation Officials (AASHTO), MassDOT has surveyed and rated the state's bridges.

The MassDOT process identifies bridges that are structurally deficient and functionally obsolete. Bridges that are closed or have weight restrictions are listed below.

Caution should be used for the transport of trucks and other heavy vehicles on restricted bridges.

Closed Bridges in Franklin County

Town	Road	Crosses Over
Buckland	Old E. Hawley Hwy	Clesson Brook
Greenfield	Eunice Williams Hwy	Green River
Greenfield	Glen Brook Dr.	Glen Brook
Heath	Sadoga Rd.	Burrington Brook
Montague	Solar Ave.	Boston and Maine Railroad (abandoned)
Montague	Sixth St.	Utility canal
Northfield	E. Northfield Rd.	Connecticut River
Northfield	Sturbridge Rd.	Mill Brook
Whately	Williamsburg Rd.	West Brook

Source: MassDOT, 2012.

Bridges with Weight Restrictions in Franklin County

Town	Road	Crosses Over
Ashfield	Beldingville Rd.	Bear River
Ashfield	Williamsburg Rd.	Creamery Brook
Bernardston	Rt 5/Brattleboro Rd.	Shattuck Brook
Bernardston	Hoe Shop Rd.	Fall River
Buckland	Clesson Brook Rd.	Clesson Brook
Buckland	Route 2A/Bridge St.	Deerfield River
Charlemont	Tower Rd.	Chickley River
Charlemont	Mountain Rd.	Hartwell Brook
Charlemont	W. Oxbow Rd.	Wilder Brook
Colrain	Adamsville Rd.	North River
Colrain	Heath Rd.	West Branch North River
Colrain	White Lane	West Branch North River
Colrain	Heath Rd. (2)	West Branch North River
Colrain	Jacksonville Rd.	East Branch North River
Colrain	Heath Rd.	Taylor Brook
Conway	Main Poland Rd.	Chapel Brook
Conway	Bardwell Ferry Rd.	Deerfield River
Conway	S. Shirkshire Rd.	Bear River
Conway	Main Poland Rd (2)	Chapel Brook
Deerfield	Upper Rd.	Deerfield River
Deerfield	Main St.	Boston and Maine Railroad
Erving	Farley Rd.	Millers River
Erving	North St.	Millers River
Erving	Church St.	Keyup Brook
Gill	Bascom Rd.	Falls River
Greenfield	Nash's Mill Rd.	Green River
Greenfield	Montague City Rd.	Connecticut River
Greenfield	Silver St.	Boston and Maine Railroad
Hawley	Savoy Rd.	Chickley River
Hawley	East Rd.	Bozrah Brook
Heath	Rte 8A/Jacksonville St.	Mill Brook
Heath	Taylor Brook Rd.	Davenport Brook
Leverett	Teawaddle Hill Rd.	Doolittle Brook
Leverett	Millers Rd.	Roaring Brook
Leverett	Dudleyville Rd.	Sawmill River
Leverett	Coke Kiln Rd.	Sawmill River
Monroe	Depot St.	Deerfield River
Monroe	Raycroft Rd.	Dunbar Brook
Montague	Fifth St.	Utility canal
Montague	Eleventh St.	Utility canal
Montague	Center St.	Sawmill River
Montague	Sixth St.	Utility canal
New Salem	Regulation Dam Rd.	Quabbin Reservoir
Northfield	Warwick Rd.	Mill Brook
Northfield	Warwick Rd. (2)	Mill Brook
Northfield	Burnam Rd.	Mill Brook
Northfield	W Northfield Rd.	New England Central Railroad
Orange	Holtshire Rd.	Millers River
Orange	Brookside Rd.	Boston and Maine Railroad
Rowe	Cyrus Stage Rd.	Potter Brook
Shelburne	Bardwell Ferry Rd.	Dragon Brook
Wendell	Cooleyville Rd.	Swift River west branch
Whately	Christian Lane	Mill River

Source: MassDOT, 2012.

Culverts

Culverts are any sewer or drain crossing under a road or embankment that is less than 20 feet. More information on identified problem culverts can be found in the Hazard Mitigation plans for individual towns in western Massachusetts. A project to assess strengths and weaknesses in critical infrastructure in specific towns in western Massachusetts is currently being conducted by the Western Region Homeland Security Advisory Council.

Dams

According to the Office of Dam Safety:

Poor condition indicates a dam with major structural, operational, maintenance and flood routing capability deficiencies...Unsafe condition indicates a dam whose condition, as determined by the Commissioner, is such that a high risk of failure exists.

Among the deficiencies which would result in this determination are:

- Excessive seepage or piping
- Significant erosion problems
- Inadequate spillway capacity and/or condition of outlet(s)
- Serious structural deficiencies including movement of the structure or major cracking

The state has three hazard classifications for dams:

- *High Hazard Potential:* Dams located where failure or improper operation will likely cause loss of life and serious damage to homes, industrial or commercial facilities, important Private utilities, main highways, or railroads.
- *Significant Hazard Potential:* Dams located where failure or improper operation may cause loss of life and damage to homes, industrial or commercial facilities, secondary highways or railroads or cause interruption of use or service of relatively important facilities.
- *Low Hazard Potential:* Dams located where failure or improper operation may cause minimal property damage to others. Loss of life is not expected.

Owners of dams are required to hire a qualified engineer to inspect and report results using the following inspection schedule:

- Low Hazard Potential dams – 10 years
- Significant Hazard Potential dams – 5 years
- High Hazard Potential dams – 2 years

The time intervals represent the maximum time between inspections. More frequent inspections may be performed at the discretion of the state.

There are 15 dams in Franklin County in poor or unsafe condition as of January 2011, as found by the state Office of Dam Safety.

Dams in Poor and Unsafe Condition

Town	Dam Name	Last Inspection	Condition	Hazard Level
Colrain	McLeod Pond Dam	9/22/1987	Poor	Low
Conway	Conway Electric Dam	6/2/1999	Poor	Low
Conway	Flagg Dam	Unknown	Unsafe	Low
Greenfield	Wiley & Russell Dam	5/18/2010	Poor	Significant
Hawley	Ron Nelson Dam	10/22/2006	Poor	Low
Northfield	Perry Pond Dam	11/2/2006	Poor	Low
Orange	Haskins Pond Dam	6/15/2006	Poor	Significant
Orange	Mahar Regional School Dam	12/15/2010	Poor	Significant
Orange	Williams Pond Dam	11/2/2006	Poor	Low
Shelburne	Albert Davenport Dam	Unknown	Poor	Significant
Shutesbury	Dudleyville Pond Dam	4/26/2007	Unsafe	Significant
Sunderland	Whitmore Pond Dam	6/11/2009	Poor	Significant
Warwick	Sheomet Lake Dam	5/25/2006	Poor	Low
Warwick	Stevens Swamp Dam	11/10/2010	Poor	Low
Wendell	Fiske Pond Dam	Unknown	Poor	Low

Source: Massachusetts Office of Dam Safety, January 2011.

Federal Energy Regulatory Commission Regulated Dams

Dams and reservoirs licensed and subject to inspection by the Federal Energy Regulatory Commission (FERC) are excluded from the provisions of the state regulations provided that all FERC-approved periodic inspection reports are provided to the DCR. FERC inspections of high and significant hazard projects are conducted on a yearly basis.

FERC requires that an Emergency Action Plan (EAP) be created and updated annually for licensing of hydropower facilities. The primary purpose of an EAP is to “provide operating and mobilization and notification procedures to be followed in the case of an emergency” such as a sudden release of water caused by a natural disaster or accident.²

The following dams in Franklin County are regulated by FERC.

² Federal Energy Regulatory Commission Division of Dam Safety and Inspections Operating Manual. For more information, see <http://www.ferc.gov/industries/hydropower/safety.asp>.

Dams under the Jurisdiction of the Federal Energy Regulatory Commission

Town	Dam Name	River/Body of Water	Owner
Buckland	New England Power Co. #4 Dam	Deerfield River	TransCanada Hydro Northeast Inc.
Buckland	New England Power Co. #3 Dam	Deerfield River	TransCanada Hydro Northeast Inc.
Buckland	Gardner Falls Diversion Canal/Forebay	Tributary of Deerfield River	NAEA Energy Massachusetts, LLC
Buckland	Gardner Falls Main Dam	Deerfield River	NAEA Energy Massachusetts, LLC
Buckland	New England Power Co. Forebay #3	Deerfield River	TransCanada Hydro Northeast Inc.
Buckland	New England Power Co. Forebay #4	Tributary of Deerfield River	TransCanada Hydro Northeast Inc.
Buckland	New England Power Co. #2 Dam	Deerfield River	TransCanada Hydro Northeast Inc.
Conway	New England Power Co. #2 Dam	Deerfield River	TransCanada Hydro Northeast Inc.
Erving	Northfield Mountain Main Dam	Northfield Mountain Reservoir	FirstLight Hydro Generating Co.
Erving	Northfield Mountain Northwest Dike and Spillway	Northfield Mountain Reservoir	FirstLight Hydro Generating Co.
Erving	Northfield Mountain West Dike Inlet	Northfield Mountain Reservoir	FirstLight Hydro Generating Co.
Monroe	Sherman Reservoir Dam	Deerfield River	TransCanada Hydro Northeast Inc.
Monroe	New England Power Co. #5 Dam	Deerfield River	TransCanada Hydro Northeast Inc.
Montague	Cabot Spillway	Turners Falls Canal	FirstLight Hydro Generating Co.
Montague	Turners Falls Canal Headgates	Connecticut River	FirstLight Hydro Generating Co.
Montague	Turners Falls Dam	Connecticut River	FirstLight Hydro Generating Co.
Montague	Turners Falls #1 Dam	Connecticut River	FirstLight Hydro Generating Co.
Orange	New Home Dam	Millers River	Mini-Watt Hydroelectric Co.
Rowe	Bear Swamp Pumped Storage Lower Dam	Deerfield River	Bear Swamp Power Company LLC/Brookfield Renewable Energy
Rowe	Bear Swamp Pumped Storage Upper Dam	Tributary of Deerfield River	Bear Swamp Power Company LLC/Brookfield Renewable Energy

Source: Massachusetts Office of Dam Safety, January 2011.

Two FERC regulated dams upstream of Franklin County are also of concern. The Moore Dam on the Connecticut River, located in Littleton, NH, and the Harriman Dam on the Deerfield River, located near Whitingham, VT, pose a significant hazard to Franklin County towns along these rivers in the event of a dam failure. A catastrophic failure of either of these high hazard dams would likely result in the cascading failure of all the downstream dams (both high and low hazard dams), resulting in widespread flooding of downstream areas in a matter of hours. A failure of one of these dams could occur with very little warning or preparation time resulting in the potential for incalculable property damage and significant loss of life in every town on the Deerfield River or Connecticut River. Therefore, emergency responders should review inundation areas and identify possible evacuation routes as well as familiarizing themselves with the contents of the Moore Dam and the Harriman Dam Emergency Action Plans. More information on a Harriman Dam failure is located in the Scenarios That May Impact the County section, below.

Power Plants

Other than the hydroelectric facilities that are listed under the FERC-regulated dams above, there are no major power plants within Franklin County. The Yankee Rowe nuclear power plant operated for over three decades as a power generating facility until 1992. Since then the plant has been disassembled and was officially decommissioned in 2007. However spent fuel from the plant's operation is still stored on site adjacent to the Sherman Reservoir on the Deerfield River in Rowe. The fuel is stored in Nuclear Regulatory Commission – approved dry canisters and casks made of steel and concrete, which are placed on a concrete pad on the site. The stored fuel is monitored 24 hours a day. The fuel storage site is within the inundation zone for the Harriman Dam, which is located approximately 6.5 miles upstream from the site. According to the Yankee Atomic Electric Company, which maintains the fuel storage site, the type of container that the fuel is stored in has been tested to withstand submersion under 50 feet of water for 8 hours, among other safety tests.³

The Vermont Yankee nuclear power plant is located on the Connecticut River in Vernon, Vermont, near the Vermont/Massachusetts border. The Nuclear Regulatory Commission recently extended the plant's operating license for 20 more years, which expired in March 2012. The official evacuation zone for the plant is a 10 mile radius around the plant, encompassing several Franklin County towns. Emergency personnel within these towns participate in regular trainings that evaluate shelters, evacuation procedures, traffic control, and what equipment and materials would be needed in the event of an accident at the plant. The MEMA Agawam Region 3 and 4 office is set up to operate as an emergency operations center in the event of an accident at the plant. Greenfield Community College is a designated stopover point for evacuees from facilities such as schools and camps, with the University of Massachusetts, Amherst designated as the final evacuation destination.

The 1986 Chernobyl nuclear accident, which was caused by human error, and the 2011 tsunami and earthquake in Japan that damaged the Fukushima Daiichi nuclear power plant, demonstrate the large geographic extent that could be impacted by an accident. Municipalities outside of the 10 mile evacuation zone need to be just as prepared for an evacuation in the event of an accident at either the Vermont Yankee or Yankee Rowe facilities.

³ Yankee Atomic Electric Company website, http://www.yankeerowe.com/fuel_transportation.html.

Railroads

Franklin County has approximately 93 route miles of railroad, which are broken down into two north-south routes, one east-west route, and an east-west connector at the East Deerfield Rail Yard, which is one of the largest railyards in New England. There are two other minor rail yards in the county still in use in South Deerfield and Millers Falls. The 2006 Regional Hazardous Materials Emergency Plan (HMEP) developed by the Franklin County REPC estimated that there are 100 to 130 train cars with hazardous materials passing through the county each day. Since the development of the plan, it is estimated that this number has increased. Railroads travel through densely populated neighborhoods and town centers, and along roads and rivers. Hazardous material rail spills have occurred in Franklin County in the past, and are often the focus of trainings and exercises. The Comprehensive Emergency Management Plan (CEMP) for each town contains Standard Operating Procedures for a hazardous material spill. The Franklin County Hazardous Material Emergency Plan (HMEP) is also a resource for Franklin County communities to use to prepare for a hazardous material accident.

Estimated Level of Hazardous Material Transport on Franklin County Rail Lines

Train Line	Trains per Day (General Merchandise)	Average Number of Cars per Train	Average Number of Cars per Train with Hazardous Waste
Main Freight Line, Pan Am Systems	10 to 24	50	4
Connecticut River Line, Pan Am Systems	4 to 6	30	2
East Deerfield Rail Yard, Pan Am Systems	10 to 15 trains passing through yard	n/a	20 to 50
New England Central	2	60	5

Source: Franklin County Regional Emergency Planning Committee, Franklin County Hazardous Material Emergency Plan and Maps, 2010.

Major Roads

According to the Franklin County Hazardous Material Emergency Plan, approximately 13 to 15 trucks per hour traveling through the region contain hazardous materials.

Estimated Levels of Hazardous Material Transported on Franklin County Roadways

Roadway	Number of Tank or Van Trucks Carrying Hazardous Materials per hour
Interstate 91	10
Route 2	2
Other major roadways (Routes 5/10, 63, 47, 116, 202, 8A, 78, 122, 142, and 2A)	1 or 0

Source: Franklin County Regional Emergency Planning Committee, Franklin County Hazardous Material Emergency Plan and Maps, 2010.

State Highways

State highways serve largely as primary and secondary evacuation routes in Franklin County, and are expected to see an increase in traffic during a large scale evacuation. In the table below, “restricted” bridges include those that are categorized as Functionally Obsolete, Structurally Deficient, and/or have weight restrictions of some type.

Name	Towns	Bridges with Restrictions
MA Route 2	Charlemont Buckland Shelburne Greenfield Gill Erving Wendell Orange	Buckland – two bridges over the Deerfield River; Greenfield – two bridges over Routes 5/10; over I-91; Gill – over Falls River; Erving – over the Connecticut River/River Rd.; Orange – over Route 122/South Main St.
MA Route 2A	Buckland Shelburne Greenfield Erving Orange	Buckland – Iron Bridge over Deerfield River
MA Route 5	Bernardston Greenfield Deerfield Whately	Bernardston – over Shattuck Brook; Deerfield – over Deerfield River
MA Route 8A	Heath Charlemont Hawley	Heath – over Mill Brook; over West Branch Brook; Charlemont – over Mill Brook; over Maxwell Brook
MA Route 10	Northfield Gill Bernardston	Bernardston – over I-91
MA Route 47	Montague Sunderland	None
MA Route 63	Northfield Erving Montague Sunderland Leverett	Montague – over the New England Central Railroad
MA Route 78	Warwick Orange	Orange – over Orcutt Brook
MA Route 112	Colrain Shelburne Buckland Ashfield	Colrain – two bridges over East Branch of the North River; Buckland – over Clark Brook
MA Route 116	Whately Deerfield Sunderland	Deerfield – over I-91
MA Route 122	Orange New Salem	None
MA Route 142	Northfield Bernardston	None
MA Route 202	Orange New Salem Shutesbury	Orange – over Daniel Shay’s Highway

Source: MassDOT, 2012.

Traffic Congestion and Identified Bottlenecks

Traffic Bottlenecks

The Federal Highway Administration (FHWA) defines a congestion bottleneck as “A localized section of highway that experiences reduced speeds and inherent delays due to a recurring operational influence or a nonrecurring impacting event”. If congestion occurs along an entire corridor, then the corridor is considered congested. Likewise, if the corridor is experiencing congestion only at a specific location, then the corridor is considered a congestion bottleneck. The following list of projected bottlenecks and congestion points was generated by FRCOG’s Transportation Planning Engineer based on knowledge of traffic volumes, traffic flow, and intersection geometry in Franklin County.

Town	Location
Buckland	Route 112 / Route 2
Buckland	Iron Bridge/Main Street State Street
Deerfield	Route 116. / Route 5 And 10
Deerfield	Route 116 / Route 5 And 10
Erving	Route 2 / Route 2a
Gill	Route 2/ Main Road
Greenfield	Greenfield Rotary / Route 2
Greenfield	Main St. / Federal St.
Greenfield	Federal St. / Route 2 Bypass
Montague	Canal St. / Turners Falls Road
Orange	Route 2A / South Main St.
Orange	West River St. / South Main St.
Orange	Route 2 / Route 202
Orange	Route 2 / South Main Street
Shelburne	Colrain Shelburne Road / Route 2
Buckland	Route 112 / Route 2
Buckland	Iron Bridge/Main Street / State Street
Deerfield	Route 116. / Routes 5 And 10
Deerfield	Route 116 / Routes 5 And 10
Erving	Route 2 / Route 2A
Gill	Route 2/ Main Road
Greenfield	Greenfield Rotary / Route 2
Greenfield	Main St. / Federal St.
Greenfield	Federal St. / Route 2 Bypass
Montague	Canal St. / Turners Falls Road

Source: Franklin Regional Council of Governments; September 2012.

Transportation Options

There are a variety of transportation options available for moving people during a mass evacuation. These resources will be essential for assisting people who do not have access to their own private transportation options, including seniors, college students, boarding high school students, and people who do not own cars and normally rely on mass transportation.

The following transportation companies and organizations should be contacted to determine the options they can provide during an evacuation.

School Busses

Schools/Districts Served	Company	Location	Contact Information	Fleet Information	Agreements in Place for Emergency Service
Amherst-Pelham Regional; Erving Elementary; Franklin Regional Tech.; Gill-Montague Regional; Greenfield; Leverett Elementary; Mohawk Trail Regional; Petersham Center; Pioneer Valley Regional; Shutesbury Elementary; Swift River Elementary	F.M. Kuzmeskus, Inc.	52 Main Rd, Gill	413-863-2595; after hours: 413-221-0706, 413-221-7511, or 413-221-8514	10 motor coaches, 2 mini motor coaches, 1 limousine, 85 school buses; total capacity approx. 4,270	With MEMA for a VT Yankee incident
Frontier Regional	Grybko's Bus Company	419 N. Main St, South Deerfield	413-665-2838	14 buses; total capacity approx. 630	No written agreements, do have plan in place
Orange Elementary; Mahar Regional	Swift River Bus Company	5 Roche Ave, Orange	978-544-6443	19 school buses; total capacity approx. 855	Town of Orange

Public Transit Busses

Municipalities Served	Company	Location	Contact Information	Fleet Information	Agreements in Place for Emergency Service
All Franklin County towns except Sunderland and Leverett (not all towns are served by fixed routes)	Franklin Regional Transit Authority	12 Olive St	Michael Perreault, 413-774-2262 Ext. 105	42 vehicles total; 27 housed in Greenfield, the remaining housed in Athol, Belchertown, Bernardston, Erving, Goshen, Huntington, Orange, Shelburne, and Southampton. Combination of buses, mini buses, and vans. Total capacity of 700, up to 120 wheelchair accessible spaces	In process of developing MOUs with Franklin County Fire Departments to allow firefighters to drive buses. Developing training for firefighters for this purpose.
Deerfield and Sunderland	UMass Transit	University Bus Garage, 255 Governors Dr., Amherst	413-545-4682		
Leverett (paratransit, no fixed route service)	Pioneer Valley Transit Authority	2808 Main St., Springfield	413-781-7728		
Orange	Community Transit Services (CTS)	573 S Main St, Athol	978-575-9966		

Commercial Busing Companies

Municipalities Served	Company	Location	Contact Information	Fleet Information
Greenfield and Deerfield	Greyhound	Springfield		
Greenfield and Deerfield	Peter Pan	Springfield		
-	J.B. Transportation	6 Porter St, South Deerfield	413-665-7398	5 wheel chair vans, 1 bus, 14 minivans; total capacity approx. 150

Passenger Rail

Town	Company	Location	Contact Information	Frequency of Service
Greenfield (service due to begin in 2013)	AMTRAK	Springfield	800-872-7245	2 trains daily, southbound in the a.m., northbound in the p.m.

There is a limited variety of transportation options available for moving people during a mass evacuation. Unless organizations have their own fleet of vans and buses most entities contract with Dufour Tours.

The following transportation company should be contacted to determine the options they can provide during an evacuation.

Scenarios that May Impact the County

Failure of the Harriman Dam

Franklin County towns that fall within the Harriman Dam inundation area are Monroe, Rowe, Charlemont, Buckland, Shelburne, Deerfield, Greenfield, Montague, Sunderland, and Whately. The more populated areas that would need to be evacuated in the event of a dam failure include Charlemont village center, the village of Shelburne Falls, areas of downtown Greenfield, Montague City and portions of Turners Falls, Old Deerfield, and Sunderland village center. A number of public and private schools, and important municipal facilities, are within or immediately adjacent to the inundation zone. The time that it will take for flood waters to reach various populated areas ranges from just over an hour for Charlemont village center, to approximately 3 hours 40 minutes in Sunderland.⁴

In 2010 the WRHSAC funded a project through the University of Massachusetts Transportation Center (UMTC), in conjunction with the Franklin Regional Council of Governments (FRCOG), to model the impact of a failure of the Harriman Dam on the regional transportation network in order to inform future evacuation planning efforts. Following the UMTC report, the FRCOG prepared specific recommendations for the towns within the inundation area, to be incorporated into town evacuation plans. Both reports are available from the FRCOG. In 2011, TransCanada, owner of the Harriman Dam, supplied EMDs in the towns within the inundation area a revised Emergency Action Plan (EAP) for the dam, including updated inundation mapping based on more accurate mapping techniques than previously used. The EAP includes a notification chart and emergency contact information for reaching TransCanada and its Regional EOC (once activated) during an emergency. In the event of a dam failure, Shelburne Control would be notified first, along with other downstream dispatch centers.

Nuclear Incident

The Yankee Rowe nuclear power plant operated for over three decades as a power generating facility until 1992. Since then the plant has been disassembled and was officially decommissioned in 2007. However spent fuel from the plant's operation is still stored on site adjacent to the Sherman Reservoir on the Deerfield River in Rowe. The fuel is stored in Nuclear Regulatory Commission – approved dry canisters and casks made of steel and concrete, which are placed on a concrete pad on the site. The stored fuel is monitored 24 hours a day. The fuel storage site is within the inundation zone for the Harriman Dam, which is located approximately 6.5 miles upstream from the site. According to the Yankee Atomic Electric Company, which maintains the fuel storage site, the type of container that the fuel is stored in has been tested to withstand submersion under 50 feet of water for 8 hours, among other safety tests.⁵ However, if some type of incident occurred that compromised the storage casks, towns within a 10 mile radius of the former plant that might be affected include Colrain, Heath, Rowe, Monroe, Charlemont, Hawley, and Buckland.

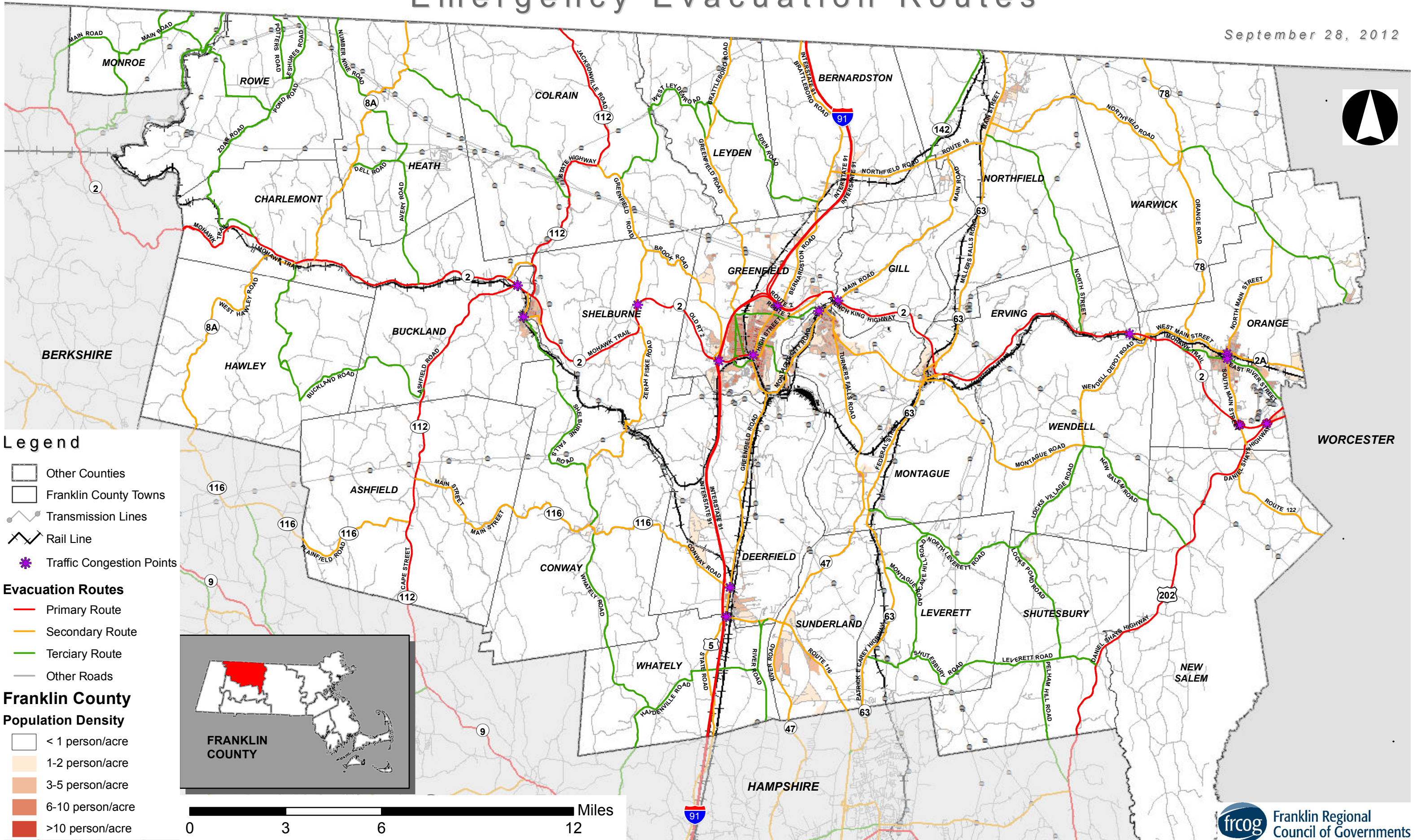
⁴ *Emergency Action Plan: Harriman Dam*, TransCanada Hydro Northeast Inc. May 2011.

⁵ Yankee Atomic Electric Company website, http://www.yankeerowe.com/fuel_transportation.html.

The Vermont Yankee nuclear power plant is located on the Connecticut River in Vernon, Vermont, near the Vermont/Massachusetts border. The Nuclear Regulatory Commission recently extended the plant's operating license for 20 more years, which expired in March 2012. The official evacuation zone for the plant is a 10 mile radius around the plant, encompassing several Franklin County towns, including portions of Warwick, Northfield, Gill, Leyden, and all of Bernardston. Emergency personnel within these towns participate in regular trainings that evaluate shelters, evacuation procedures, traffic control, and what equipment and materials would be needed in the event of an accident at the plant. If a more extensive evacuation were ordered, for example within a 25 mile radius, all Franklin County towns would potentially be affected. The MEMA Agawam Region 3 and 4 office is set up to operate as an emergency operations center in the event of an accident at the plant. Greenfield Community College is a designated stopover point for evacuees from facilities such as schools and camps, with the University of Massachusetts, Amherst designated as the final evacuation destination.

Franklin County Population Density & Emergency Evacuation Routes

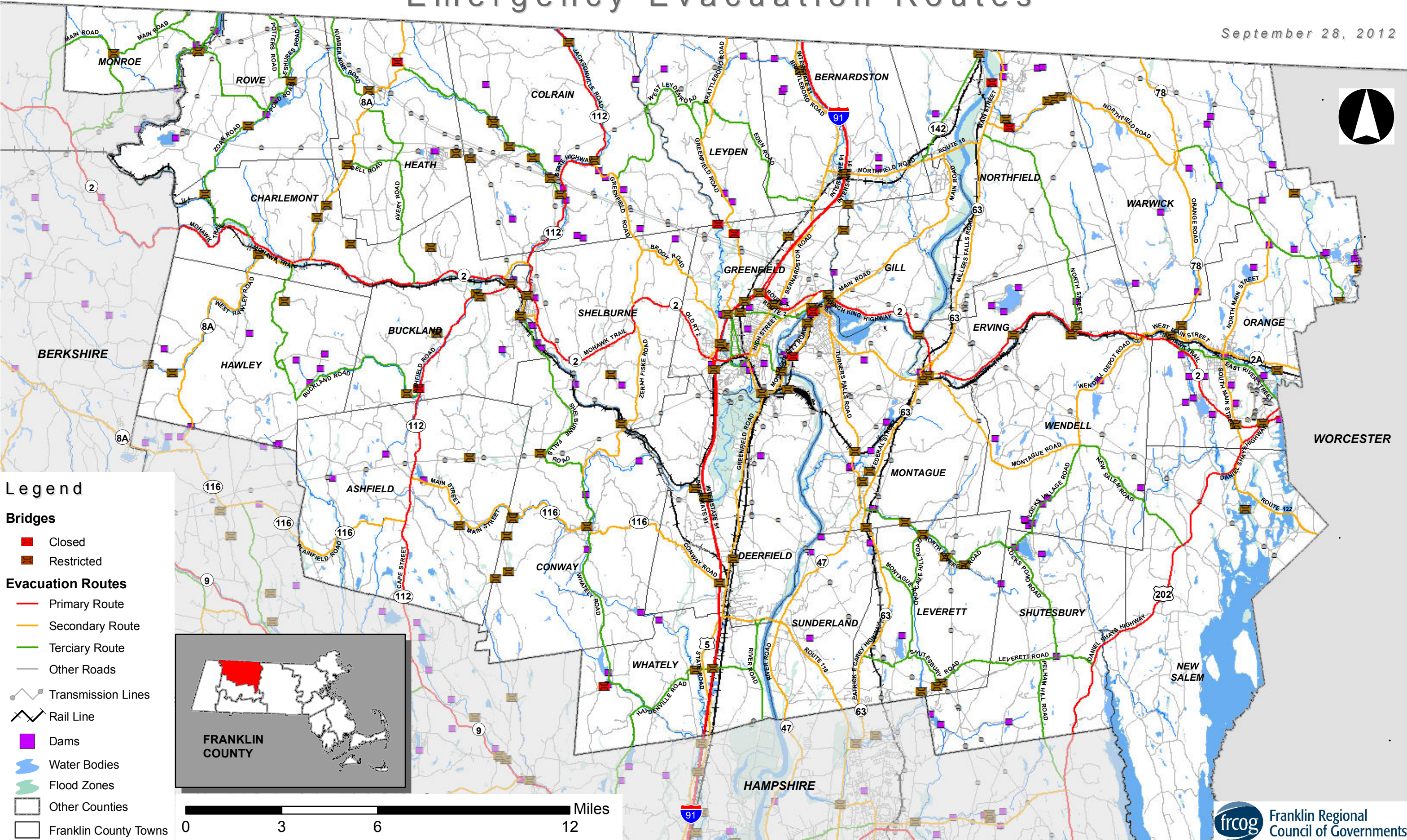
September 28, 2012



- Legend**
- Other Counties
 - Franklin County Towns
 - Transmission Lines
 - Rail Line
 - Traffic Congestion Points
- Evacuation Routes**
- Primary Route
 - Secondary Route
 - Tertiary Route
 - Other Roads
- Franklin County Population Density**
- < 1 person/acre
 - 1-2 person/acre
 - 3-5 person/acre
 - 6-10 person/acre
 - >10 person/acre

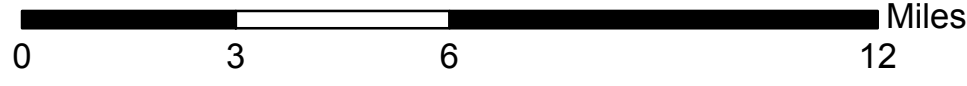
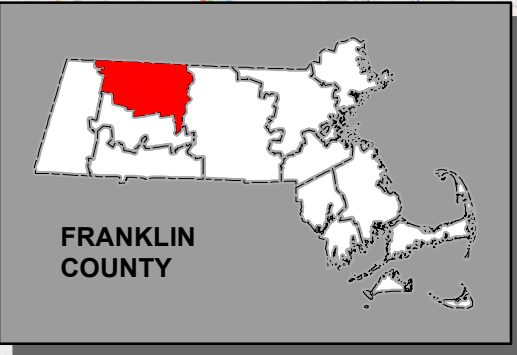
Water Hazards & Emergency Evacuation Routes

September 28, 2012



Legend

- Bridges**
 - Closed
 - Restricted
- Evacuation Routes**
 - Primary Route
 - Secondary Route
 - Tertiary Route
 - Other Roads
- Transmission Lines
- Rail Line
- Dams
- Water Bodies
- Flood Zones
- Other Counties
- Franklin County Towns



HAMPDEN COUNTY RESOURCES

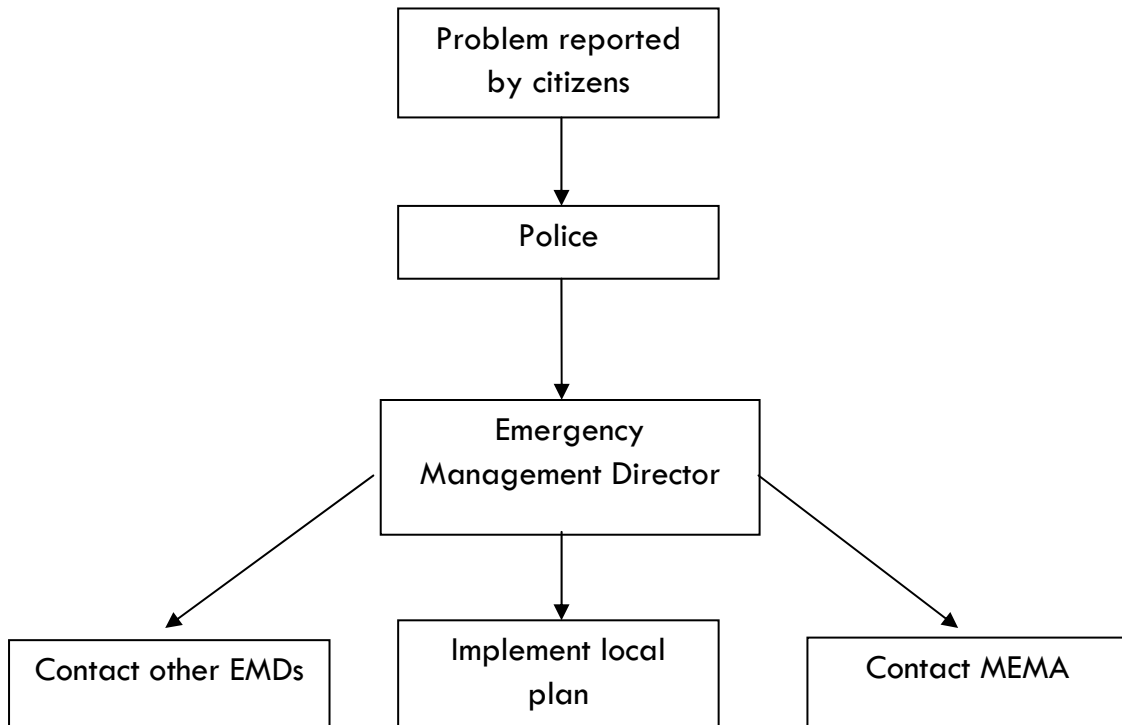
Initiating the Evacuation

Chain of Command

If the emergency is declared by MEMA or FEMA, the procedure for chain of command will follow a top-down approach. In this case, MEMA will be responsible for contacting individual EMDs, who will then take the necessary steps to respond to the disaster in their respective communities.

If the disaster or emergency situation is reported by a local community or citizen, the chain of command will follow a bottom-up reporting approach. In this case, the following flow chart describes the contact procedures that will be followed.

4. Problem is reported by citizen to police
5. Police take necessary initial steps in response to disaster and contact emergency management director
6. Emergency management director takes necessary steps and contacts EMDs in surrounding towns, implements local emergency plan, and contacts MEMA



Municipal Contact Information

Town	EMD Contact	EMD Phone	Police Contact	Police Contact	Fire Contact	Fire Phone
Agawam	Chet Nicora Jr	413-786-6925	Robert Campbell	413-786-4767 413-821-0609	Alan Sirois afdchief@agawam.ma.us	413-786-0657 413-786-2662
Blandford	Tom Ackley Brad Curry, Highway Superintendent	413-848-2479 (Tom Ackley) 413-848-2721 (Brad Curry)	Kevin M. Hennessey	chiefhennessey@townofblandford.com 413-442-0512	Tom Ackley	firechief@townofblandford.com 413-848-2479
Brimfield	Richard Morris	413-245-9821	Charles Kuss	413-245-3442	Fred Piechota	413-245-4108
Chester	Richard Small	413-354-6558 413-354-6543 (home #) kritchott@chicopeema.gov	Dan Ilnicky	chesterpd@comcast.net 413-354-7822	Richard Small	chiefrichsmall@msn.com 413-354-6558
Chicopee	Kenneth Ritchott	chicopeema.gov 413-594-1508	John Ferraro	413-594-1700	Stephen S. Burkott	413-594-1630
East Longmeadow	Ryan Quimby	413-525-5400	Douglas Mellis	413-525-5440	Paul Marrisette	413-525-5430
Granville	Kevin Stromgren	413-357-8585 ext. 0	Jose A. Rivera	413-357-8585 ext. 7	Scott Loomis	413-455-8527
Hampden	Norman Charest	413-566-2151 ext 100	Jeff Farnsworth	413-566-8011	Mike Gorski	413-566-3314
Holland	Michael Kennedy	413-245-7108	Bryan Haughey	413-245-0117	Paul Foster	413-245-9733
Holyoke	John A. Pond	pondj@ci.holyoke.ma.us 413-534-2250	James M. Neiswanger	chiefofpolice@holyokepd.org; 413-536-6431	John A. Pond	pondj@ci.holyoke.ma.us; 413-534-2250
Longmeadow	Eric Madison	413-565-4179	Robert F. Siano	413-565-4192	Eric Madison	413-567-3357
Ludlow	Mark H. Babineau	413-583-8332	James J. McGowan	413-583-8305	Mark Babineau	413-583-8332
Monson	Evan Brassard	413-297-5560	Stephen Kozloski	413-267-5136	Larry McDonald	508-344-6354
Montgomery	Daniel Flethsig	413-862-8095 (home #)	James Stevens	413-862-4545 (home #)	Stephen Frye	413-862-4505
Palmer	Director Donald Elliot, Jr.	townemd@townofpalmer.com 413-283-3861 x119	Robert Frydryk	413-283-8792	Alan Roy	413-283-3861 x112
Russell	Michael Morrisey	chief@russellfire.org 413-862-6229	Jennifer Dubiel	413-862-6209	Michael Morrisey	chief@russellfire.org 413-862-6229
Southwick	Director Charles Dunlap	ema@southwickma.net 413-569-0308	Mark J. Krynicki	413-569-5348	Richard Anderson	413-569-6363
Springfield	Robert Hassett	413-846-6226	William Fitchet	413-787-6313	Joseph Conant	413-787-6411
Tolland	Theadore Locke	413-258-4413	Eric Munson	413-258-4948	Michael Sullivan	413-258-2859
Wales	Director Erin Hastings	Msp605@aol.com 413-245-7844	Dawn Charette	413-245-7222	Jody Bennett	fire@townofwales.net 413-245-7695
West Springfield	Michael Cabral	413-459-1840	Ronald Campurciani	413-263-3210	William Flaherty	wflaherty@west-springfield.ma.us 413-732-2650
Westfield	Jim Wiggs	j.wiggs@cityofwestfield.org 413-568-1222	John Camerota	j.camerota@cityofwestfield.org 413-562-5411	Mary Regan	m.regan@cityfowestfield.org 413-562-2329
Wilbraham	Francis Nothe	413-596-3122	Roger Tucker	413-596-3837	Francis Nothe	413-596-3122

Other Entities to Contact

Hampden County Resources - Western Massachusetts Regional Evacuation Plan

Each town during an evacuation should be in contact with the towns neighboring it, to ensure that they are aware that an evacuation is occurring and that residents will be passing through those towns.

Towns should identify the emergency management officials for this communication. Contact information can be found below.

Surrounding Municipalities

Town	County	EMD Contact	EMD Phone	Police Contact	Police Phone	Fire Contact	Fire Phone
Becket	Berkshire	Timothy Sullivan	413-623-8934	Kristopher McDonough	413-623-601	Ray Tarjick	413-623-6480
Belchertown	Hampshire	Edward Bock	413-323-7571	Francis Fox	wpanto@belchertown.org 413-323-6685	Edward Bock	tbock@belchertown.org 413-323-7571
Easthampton	Hampshire	David Mottor	dmottor@easthampton.org 413-527-1212	Bruce McMahon	bcmahon@easthampton.org 413-527-1212	David Mottor	dmottor@easthampton.org 413-527-1212
Granby	Hampshire	Jeff McPhearson	413-582-7466	Alan Wishart	413-467-2911	Russell Anderson	413-467-9696
Hadley	Hampshire	Michael Spanknebel	413-584-0874	Dennis J. Hukowicz	413-582-9053	James Kicza	413-584-0874
Huntington	Hampshire	Melissa Nazzaro	413-667-3500	Robert Garriepy	413-667-8868	Gary Dahill	413-667-3368
Middlefield	Hampshire	Robert Hoynowski	413-623-2079 Town offices	Thomas Austin	413-354-0776	Larry Pease Ron Radwich	413-623-5060
Otis	Berkshire	Roberta Sarnacki	413-269-0100	Roberta Sarnacki	413-269-0100	Sandy Pinkham	413-269-4409
Sandisfield	Berkshire	John Burrows	413-258-4943	Michael Morrison	413-258-4742	Ralph Morrison	413-258-4742
South Hadley	Hampshire	Forrest D. Price Jr.	413-335-8567 fprice@shadley.ma.org	David J. LaBrie	413-538-8231	Robert Authier David Keefe	chiefauthier@shdistrict1.org 413-532-5343 413-534-5803
Southampton	Hampshire	Edward Cauley	413-527-3666	David Silvernail	413-527-1120	Stephen Hyde	413-527-1700
Sturbridge	Worcester	Thomas Ford	508-347-2525	Thomas Ford	508-347-2525	Leonard Senecal	508-347-2525
Ware	Hampshire	Gary Hoskin, Director Stanley Mettig, Co-Director	413.967.5661	Dennis M. Healey	413-967-3571 Non-Emergency	Thomas Coulombe	413-967-5901
Warren	Worcester	Timothy O'Brien	413-813-7110	Bruce D. Spiewakowski	413-436-9595	James Dolan	413-436-5444
Worthington	Hampshire	Kathy Baker	413-238-5577 (town hall)	Jeffrey Johnson	413-238-0400	Richard Granger	413-238-4445

MassDOT District Offices

The following are the district contacts for MassDOT in western Massachusetts. These contacts are not involved in an emergency response unless specifically requested by a municipality or MEMA, and should be contacted during an evacuation.

Office	Address	Town	Phone
MassDOT District 1	270 Main St.	Lenox	413-637-5700
MassDOT District 2	811 North King St.	Northampton	413-582-0599

State Police Contact Info

Office	Address	Town	Phone
Mass State Police Barracks	555 North King St.	Northampton	413-587-5517

MEMA Contact Info

The following are the MEMA contacts for western Massachusetts.

Office	Address	Town	Phone
MEMA Region 3 & 4	1002 Suffield St.	Agawam	413-750-1400

Out of State

Hampden County borders Connecticut to the south. All communication with municipalities in Connecticut should be contacted through the state's emergency management agency, the Connecticut Division of Emergency Management and Homeland Security.

Communication with Massachusetts municipalities not located within Hampden County can be found below. Because there is no county government in western Massachusetts, municipalities in the state should be contacted directly. For more information, see the Hampshire, Berkshire, and Franklin County sections of this evacuation plan.

Municipal Evacuation Routes

Evacuation routes for individual municipalities are described below.

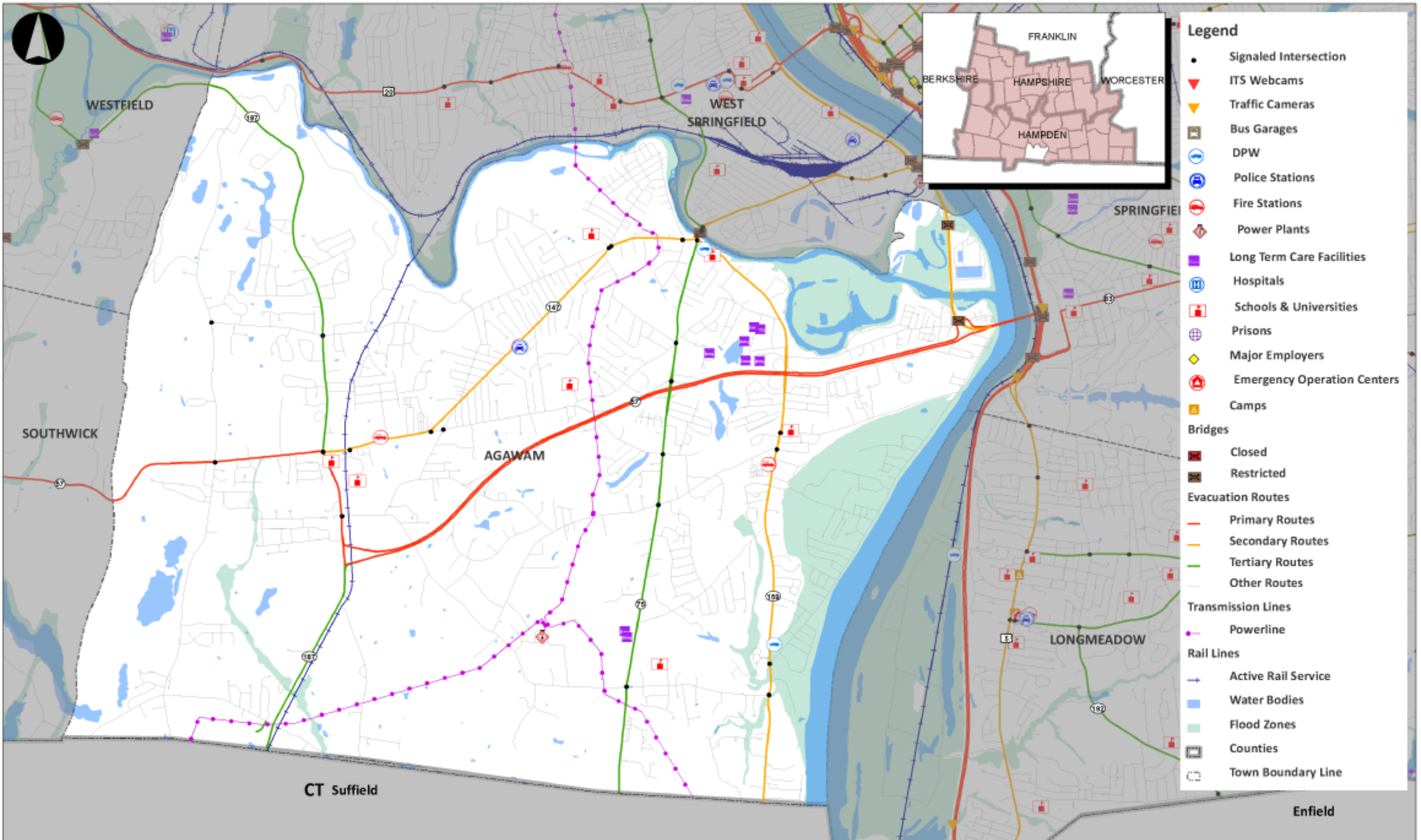
Towns	Primary Evacuation Routes	Secondary Evacuation Routes	Tertiary Evacuation Routes
Agawam	Route 57	Route 147 Route 159	Route 187 Route 75
Blandford	Interstate 90	Route 23	Chester Road
Brimfield	Route 20	-	Route 19 / Warren Rd Wales Rd Monson Rd New Holland Rd Holland Rd
Chester	Route 20	-	Middlefield Road
Chicopee	Interstate 90 Route 391	Route 33 Center St East Main St Memorial Dr Grattan St Meadow St Williamansett Bridge	Hampden St South St Granby Rd Front St Broadway St Liberty St St James Ave East St Montgomery St Yelle St Buckly Blvd Prospect St Montcalm St James St
East Longmeadow	Route 83	-	Route 220 Maple Street Allen Street
Granville	-	Route 57	Route 189
Hampden	-	-	Wilbraham Rd Springfield Rd Allen St Story Hill Rd Main Street Scantic Rd Monson Rd Somers Rd
Holland	-	-	Brimfield Rd Sturbridge Rd Leno Rd
Holyoke	Interstate 91 Route 141 Route 202 Beech St Interstate 391 Hampden St Resnic Blvd	Route 5 Appleton St Dwight St	Homestead Ave Route 5 Main St High St Lincoln St
Longmeadow	Interstate 391	Route 5	Route 192 Williams Street Bliss Road

Towns	Primary Evacuation Routes	Secondary Evacuation Routes	Tertiary Evacuation Routes
Ludlow	-	Route 21	West St Holyoke St Chapin St
Monson	-	Route 32	Blanchard Rd Wales Rd Hampden Rd Brimfield Rd Wilbraham Rd
Montgomery	-	-	Main Rd
Palmer	Route 181 Route 20 Interstate 90	Route 32	Route 67 Springfield Rd Ludlow Rd Main St High St
Russell	Route 23 Interstate 90	Route 20	Blandford Stage Rd
Southwick	Route 202 Route 57, east of Route 202	Route 57, west of Route 202	-
Springfield	Route 20 Interstate 90 Interstate 391 Interstate 291 Route 83	Route 141 Route 20A Sumner Ave Parker St Wilbraham Rd State St Carew St Main St Boston Rd	Belmont Ave Allen St Cooley St Bradley Rd Island Pond Rd Maple St Walnut St Chestnut St Armory St St James Ave Springfield St Liberty St Breckwood Blvd Roosevelt Ave East St
Tolland	-	Route 57	Hartland Road
Wales	-	-	Route 19 Monson Rd
West Springfield	Interstate 90 Interstate 91 Route 20	Route 5 Route 147 Center St	South Blvd North Blvd Piper Rd Bimie Ave Prospect Ave
Westfield	Route 20 Route 202 Route 10 Interstate 90	-	Route 187 Union St Montgomery St Montgomery Rd
Wilbraham	Route 20	Route 141	Main St Stony Hill Rd Springfield St Monson Rd

Evacuation routes were developed based on an analysis of the transportation network, considering factors such as capacity, congestion, and road destinations to develop a hierarchy of primary, secondary, and tertiary routes. Definitions of these routes are as follows:

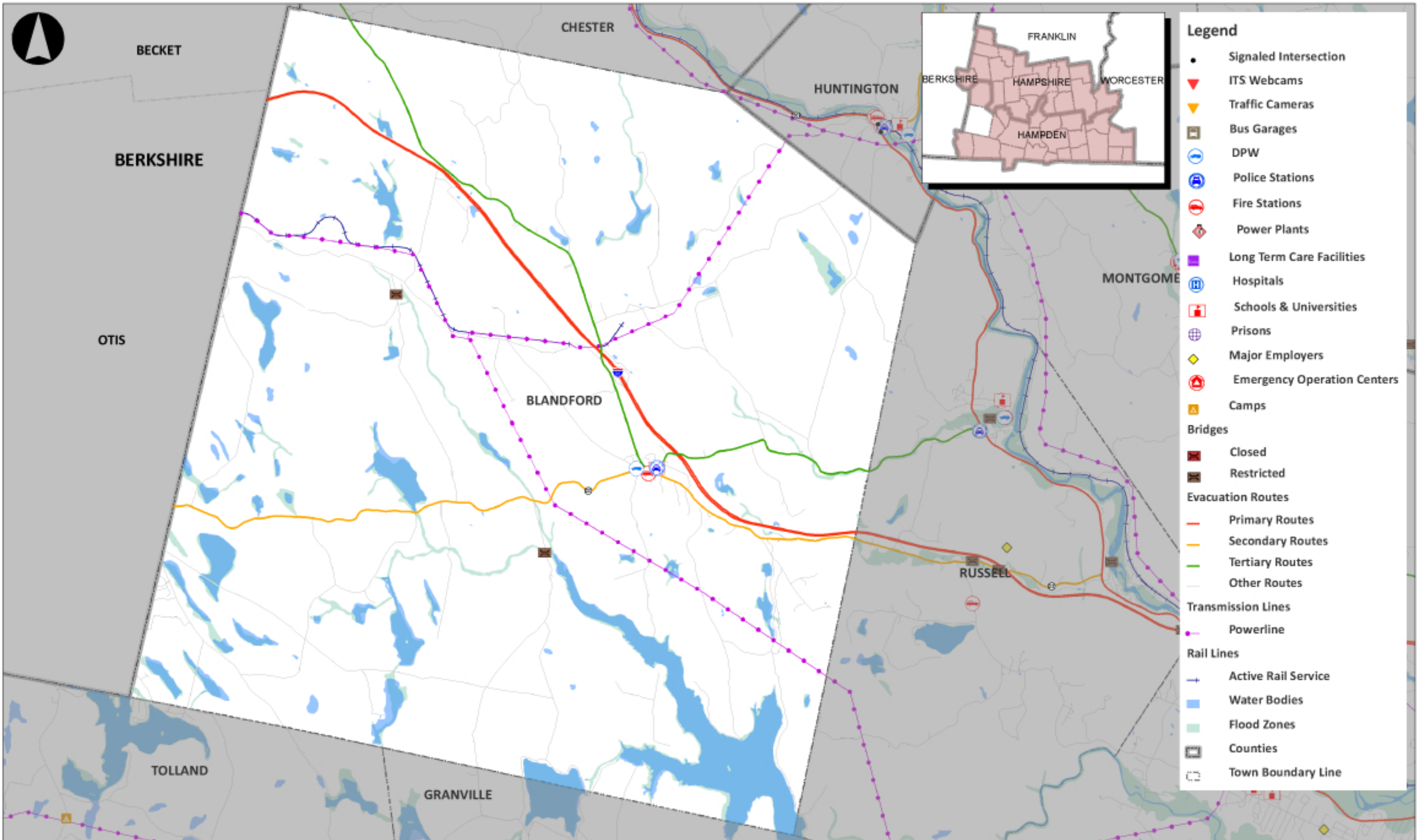
- Primary – state designated highways that carry the largest capacity and provide the most direct route out of the region
- Secondary – main arterial roads through towns that carry traffic where primary routes do not exist or provide an alternate route to the primary route
- Tertiary – local main roads, used to channel traffic towards secondary and primary evacuation routes

AGAWAM



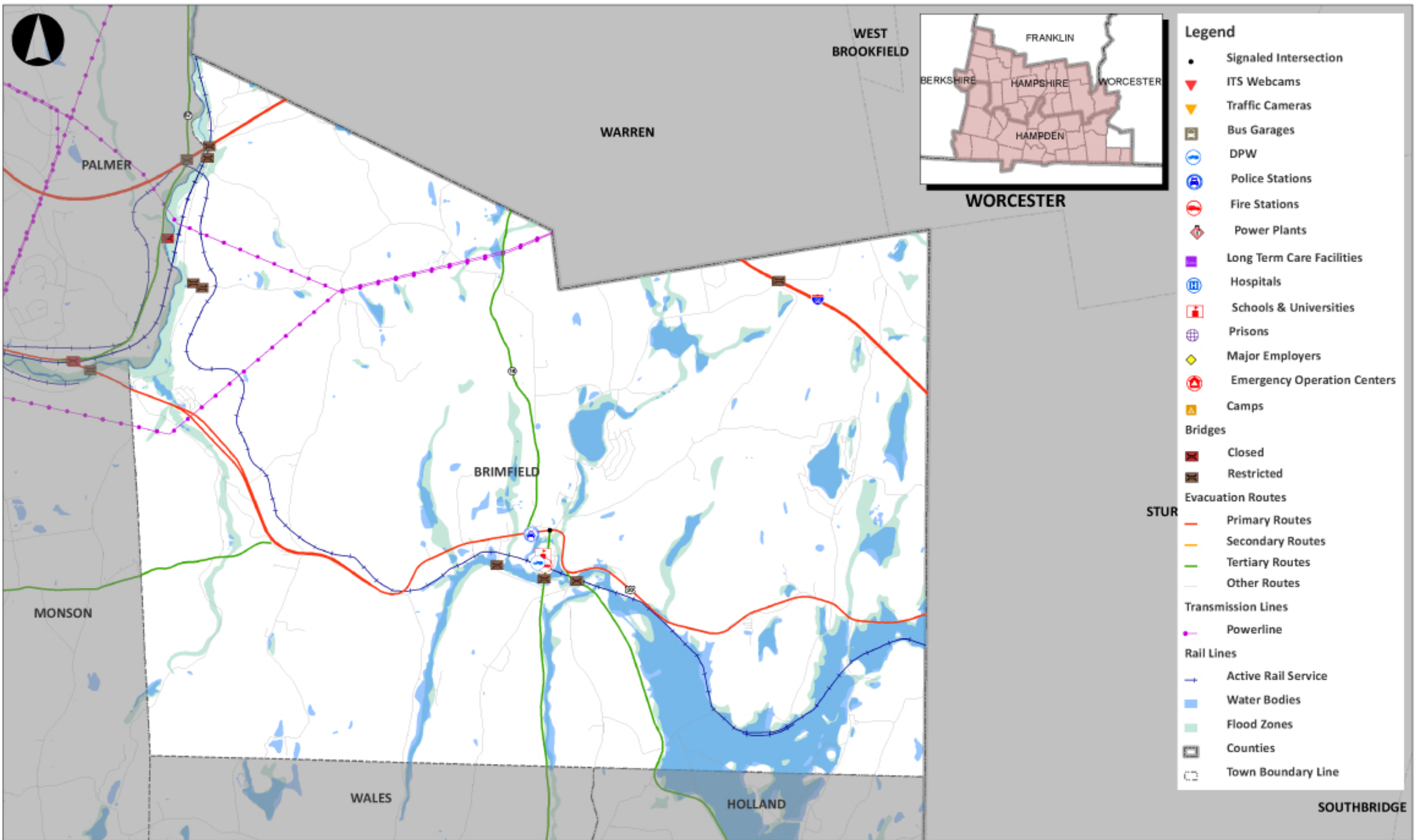
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 - ▼ ITS Webcams
 - ▼ Traffic Cameras
 - Bus Garages
 - ⓘ DPW
 - Ⓜ Police Stations
 - Ⓜ Fire Stations
 - Ⓜ Power Plants
 - Ⓜ Long Term Care Facilities
 - Ⓜ Hospitals
 - Ⓜ Schools & Universities
 - Ⓜ Prisons
 - Ⓜ Major Employers
 - Ⓜ Emergency Operation Centers
 - Ⓜ Camps
 - Bridges**
 - Ⓜ Closed
 - Ⓜ Restricted
 - Evacuation Routes**
 - Primary Routes
 - Secondary Routes
 - Tertiary Routes
 - Other Routes
 - Transmission Lines**
 - Powerline
 - Rail Lines**
 - Active Rail Service
 - Water Bodies
 - Flood Zones
 - Counties
 - Town Boundary Line

BLANDFORD

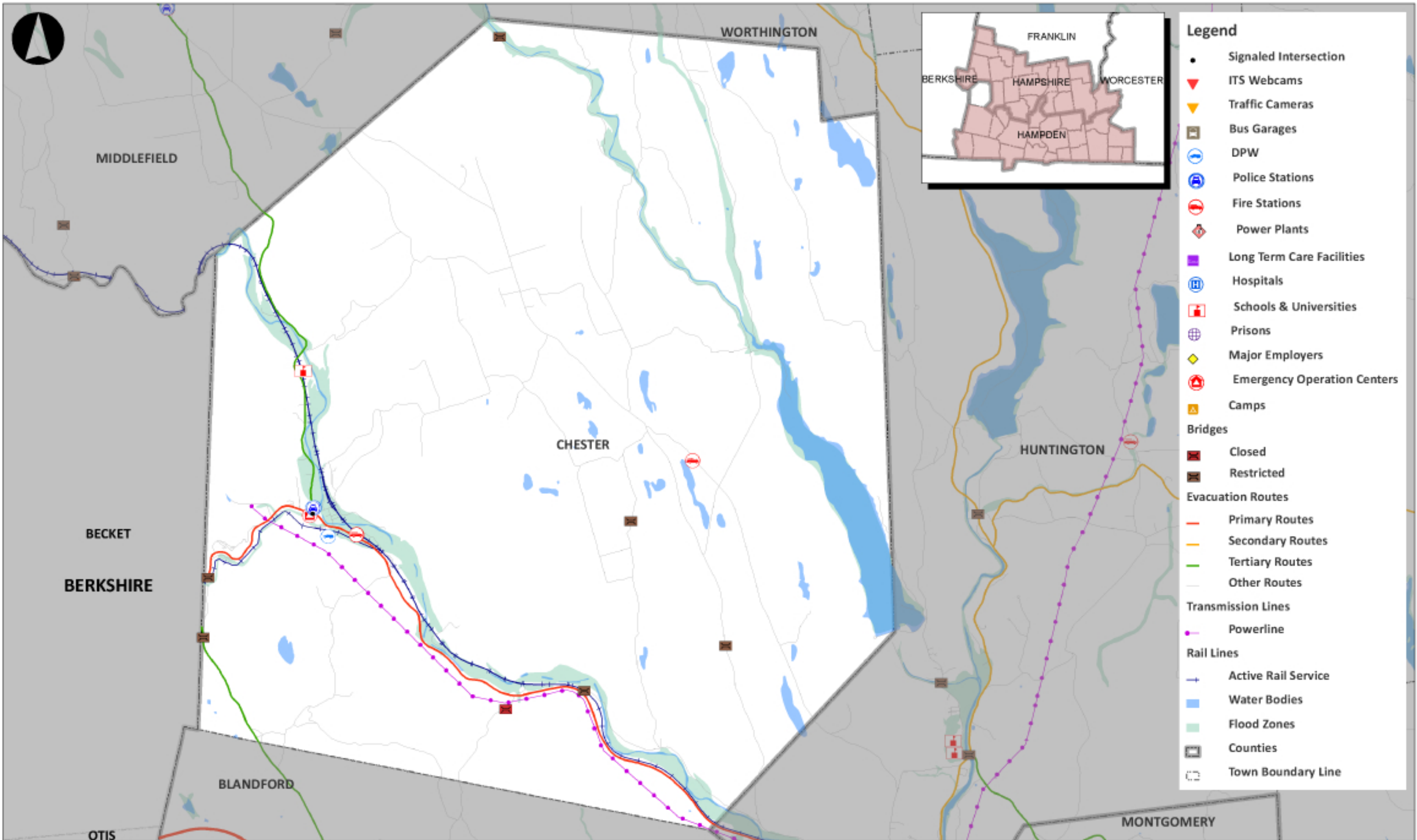


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 - 🏥 Hospitals
 - 🎓 Schools & Universities
 - 🏠 Prisons
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 - 🌊 Flood Zones
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 - 🗺️ Town Boundary Line

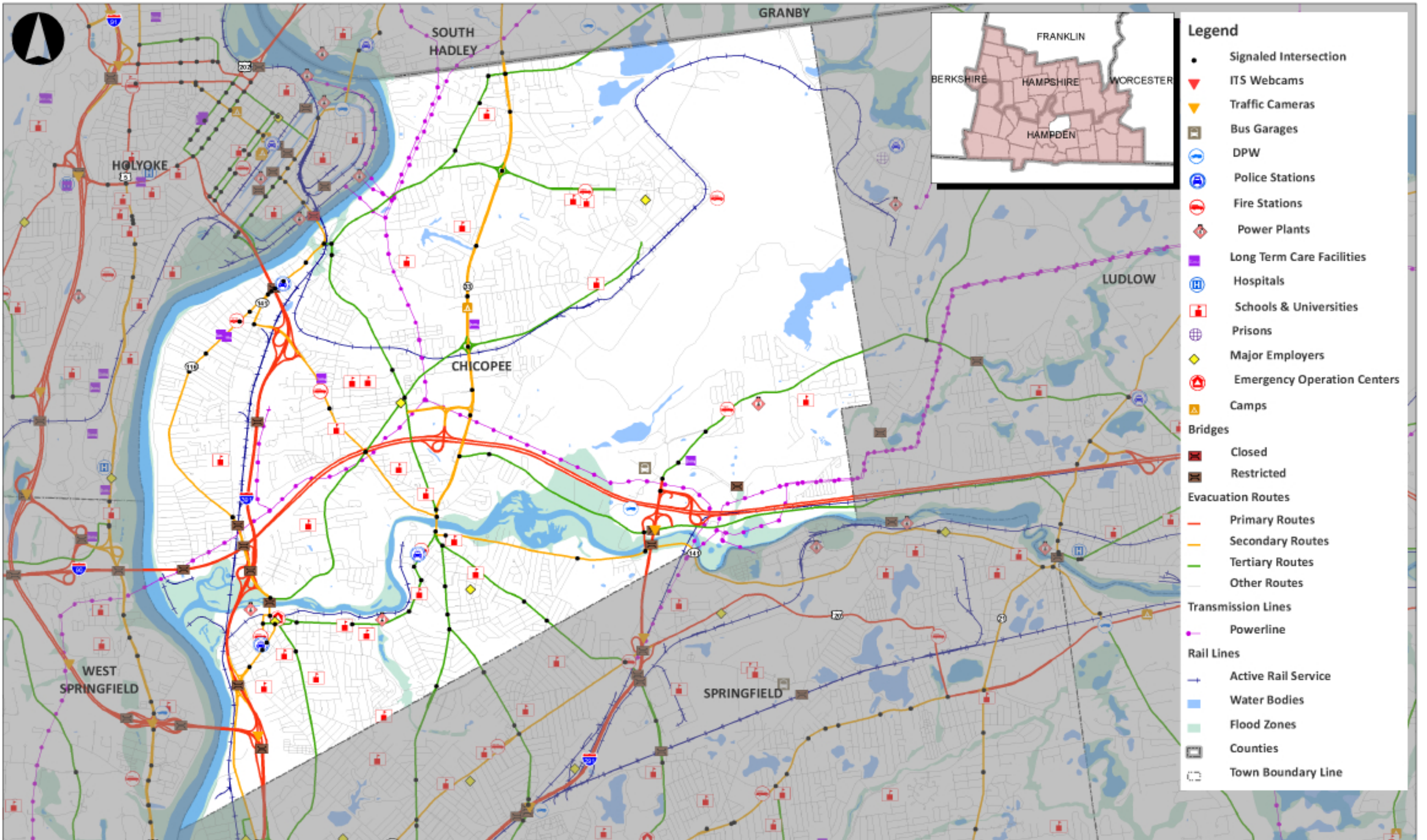
BRIMFIELD



CHESTER

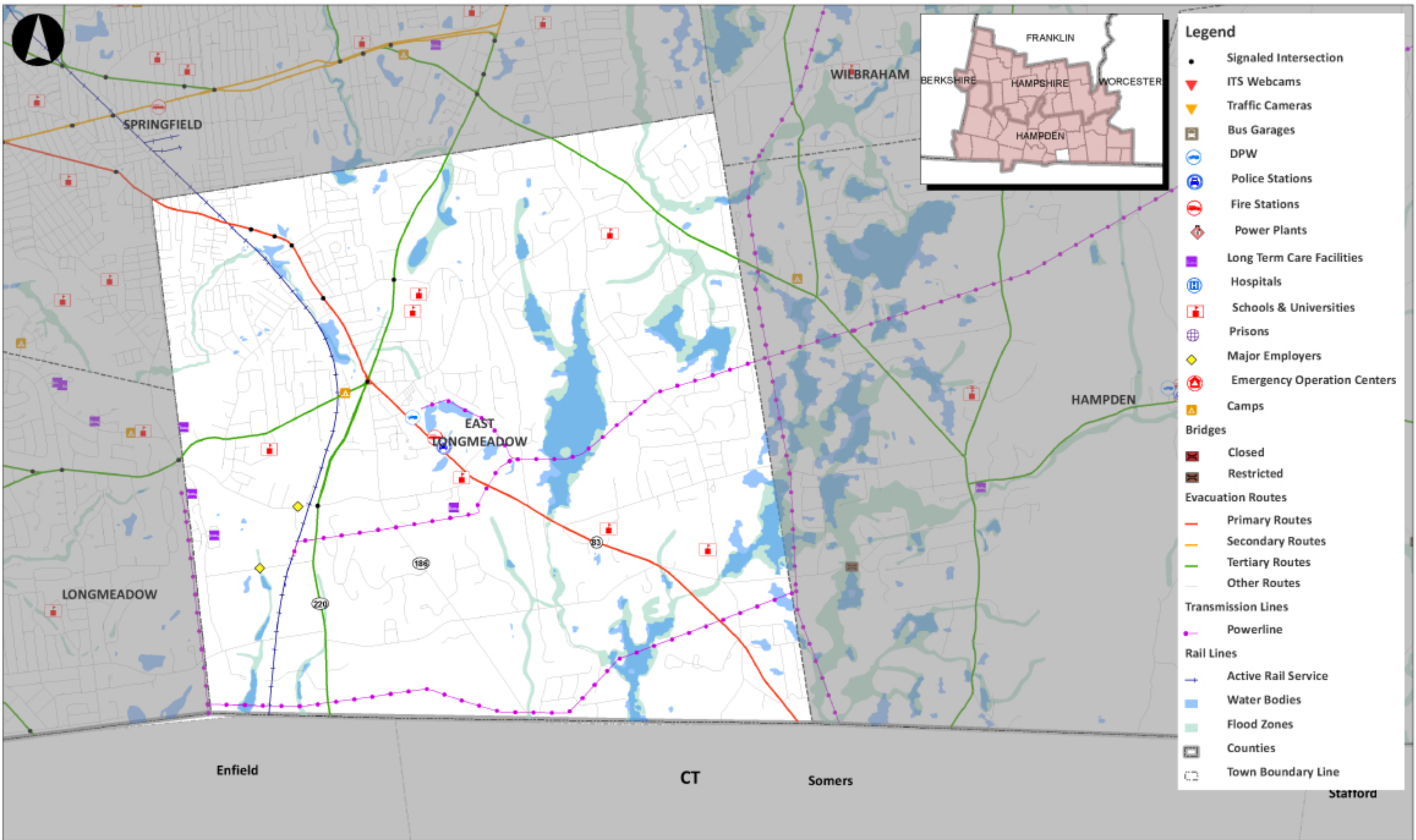


CHICOPEE



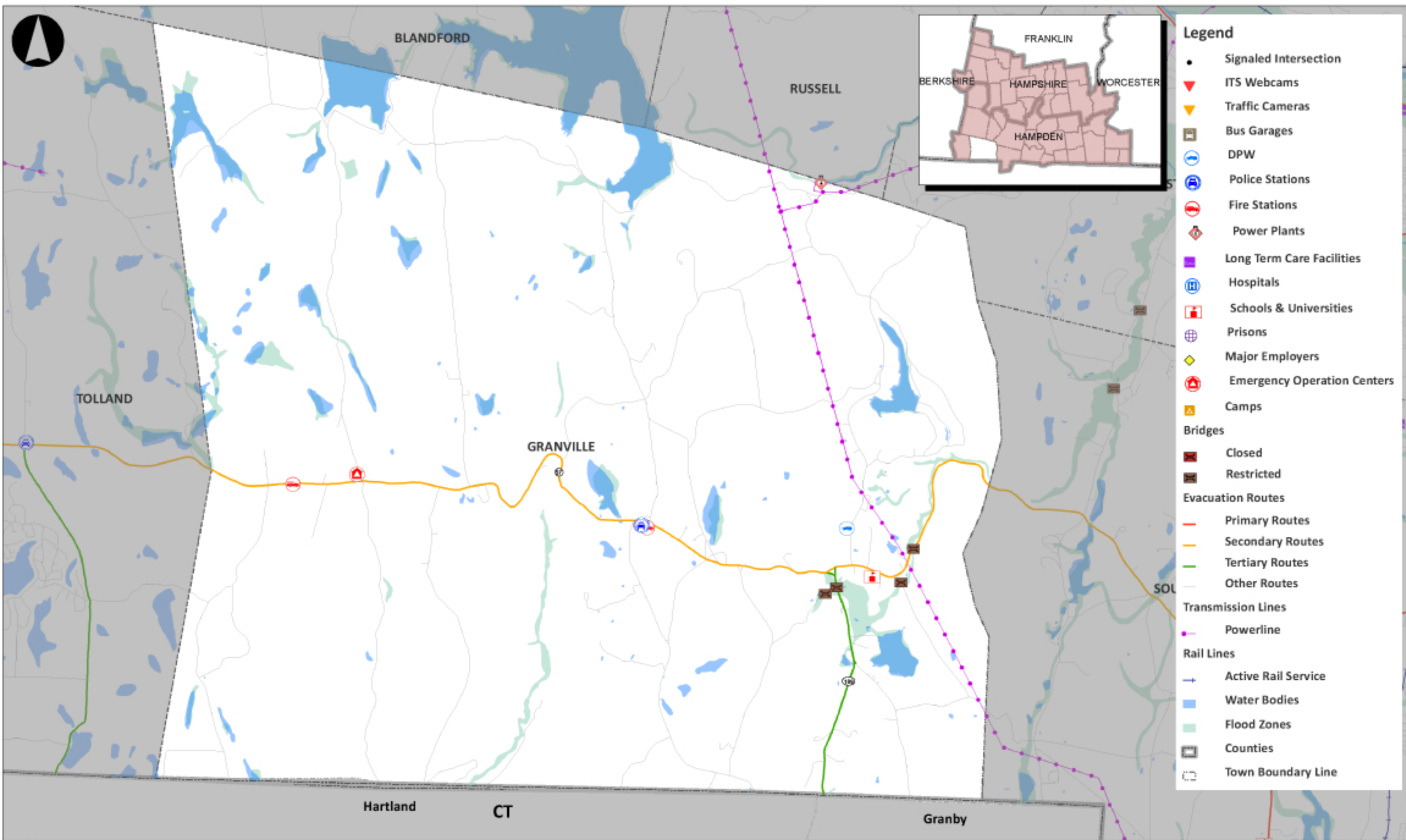
- Legend**
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 - Bridges**
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EAST LONGMEADOW

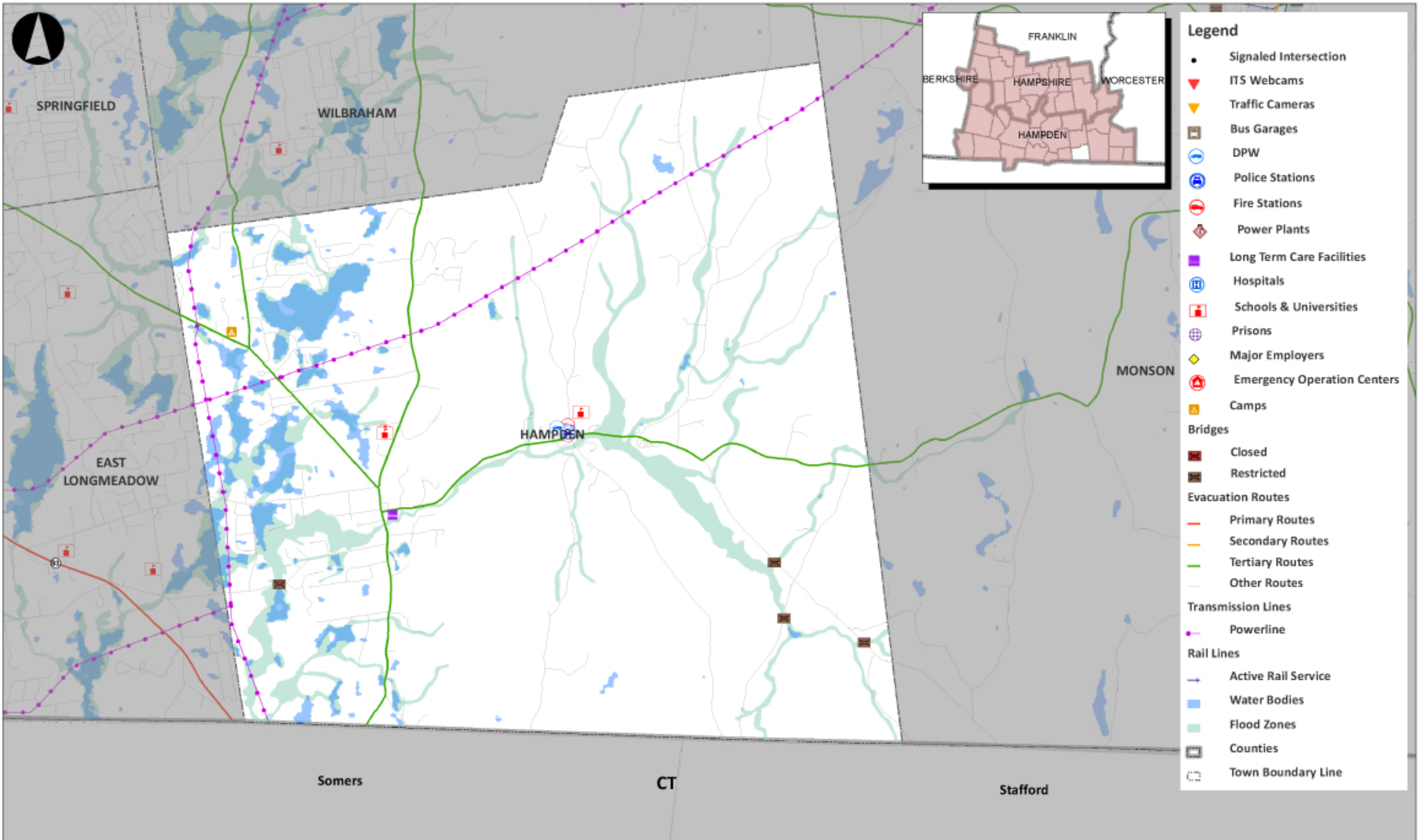


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 - 🏠 Long Term Care Facilities
 - 🏥 Hospitals
 - 🎓 Schools & Universities
 - 🌐 Prisons
 - 💎 Major Employers
 - 🚒 Emergency Operation Centers
 - 🏕 Camps
 - Bridges**
 - 🚫 Closed
 - ⚠ Restricted
 - Evacuation Routes**
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 - Other Routes
 - Transmission Lines**
 - Powerline
 - Rail Lines**
 - ➡ Active Rail Service
 - 🌊 Water Bodies
 - 🌊 Flood Zones
 - 🗺 Counties
 - ⬜ Town Boundary Line

GRANVILLE

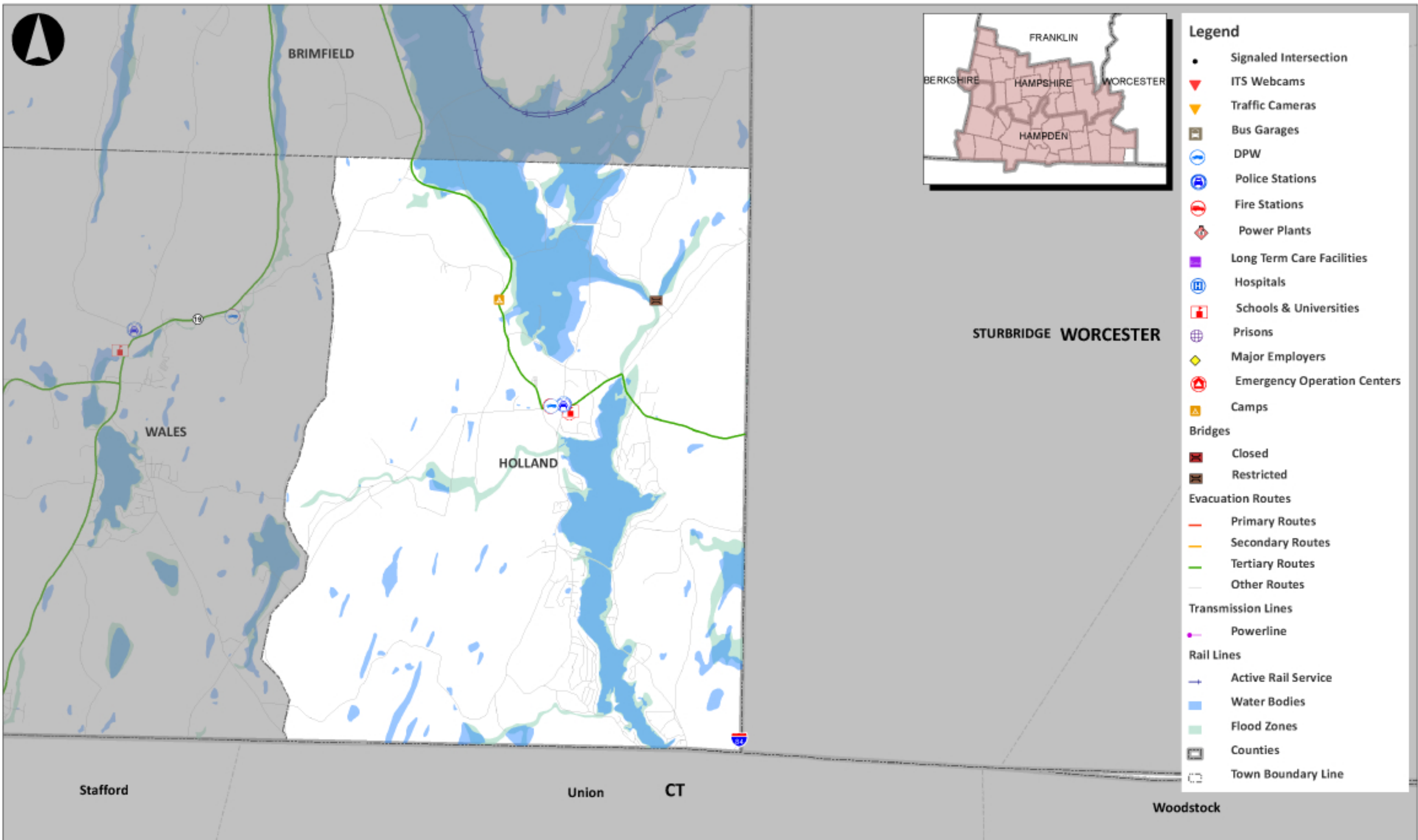


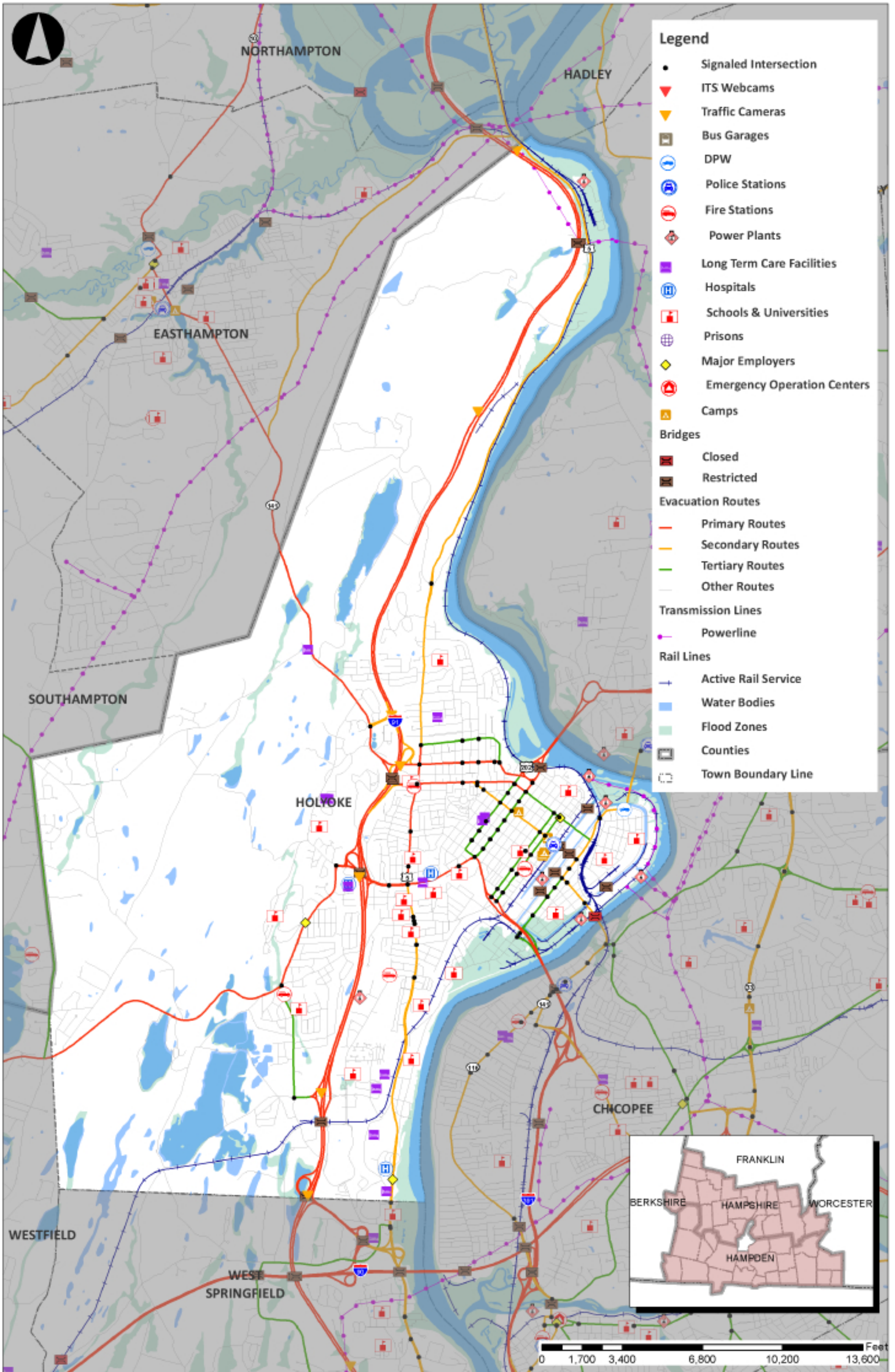
HAMPDEN



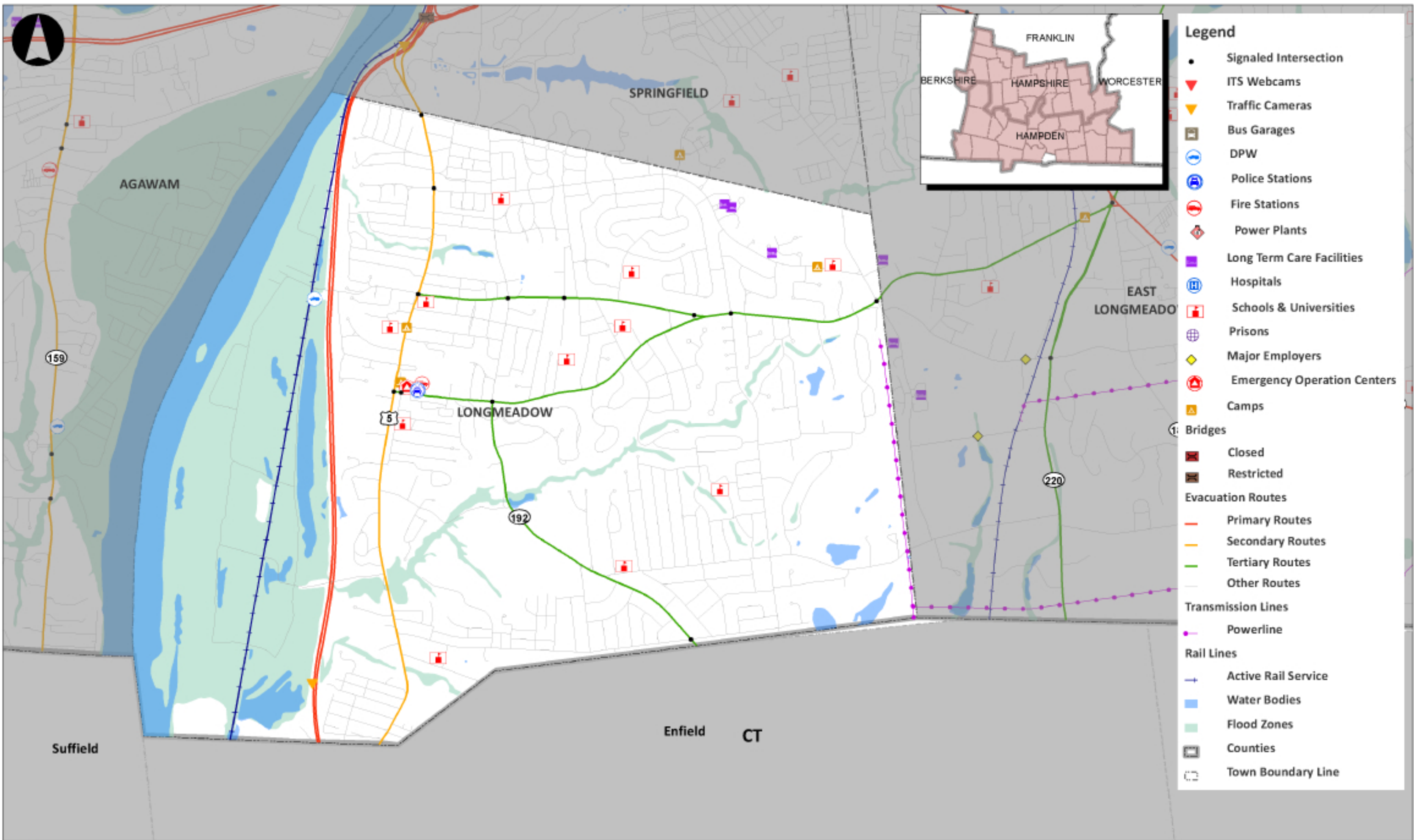
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 - 🌊 Water Bodies
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 - 📏 Town Boundary Line

HOLLAND

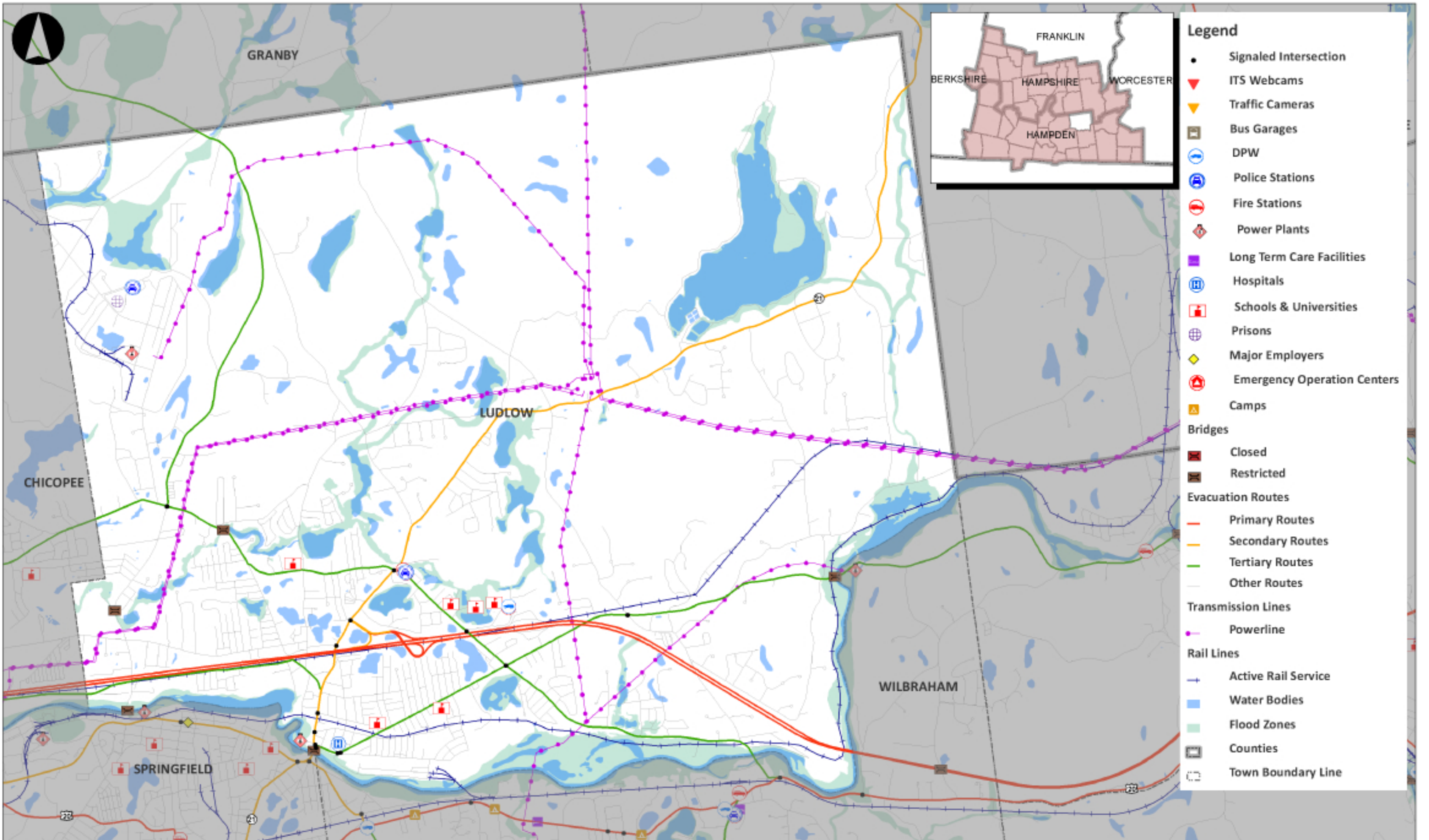


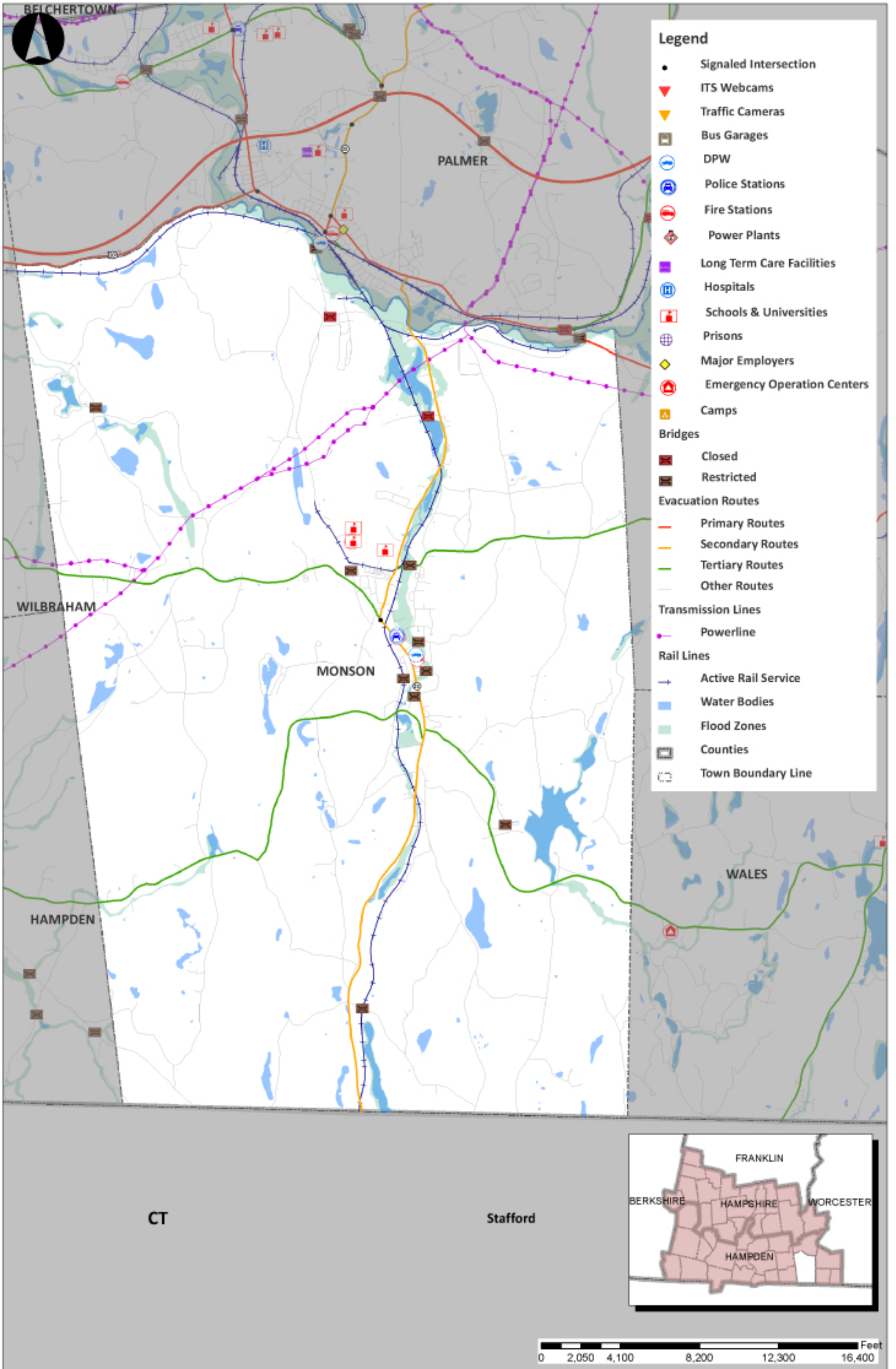


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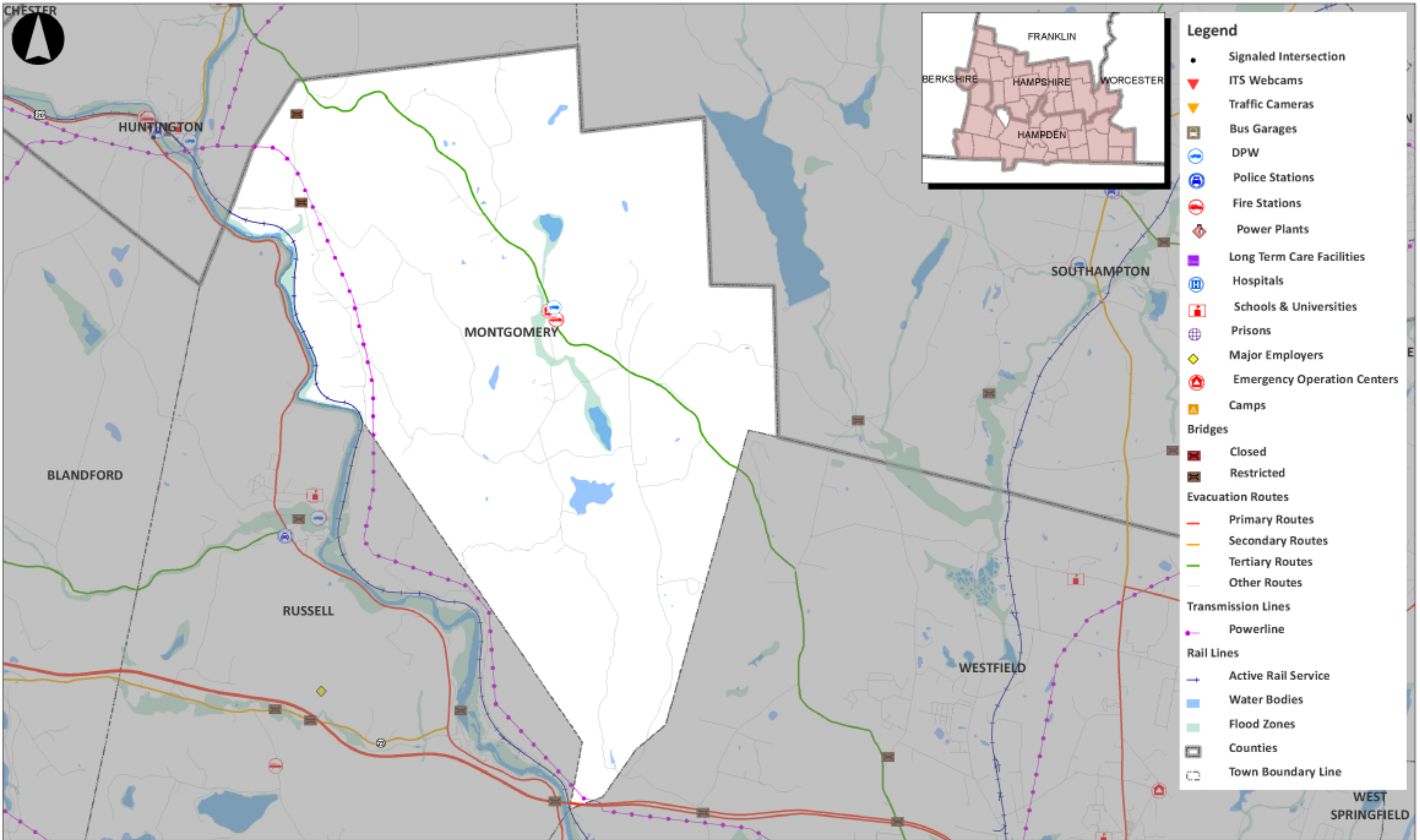


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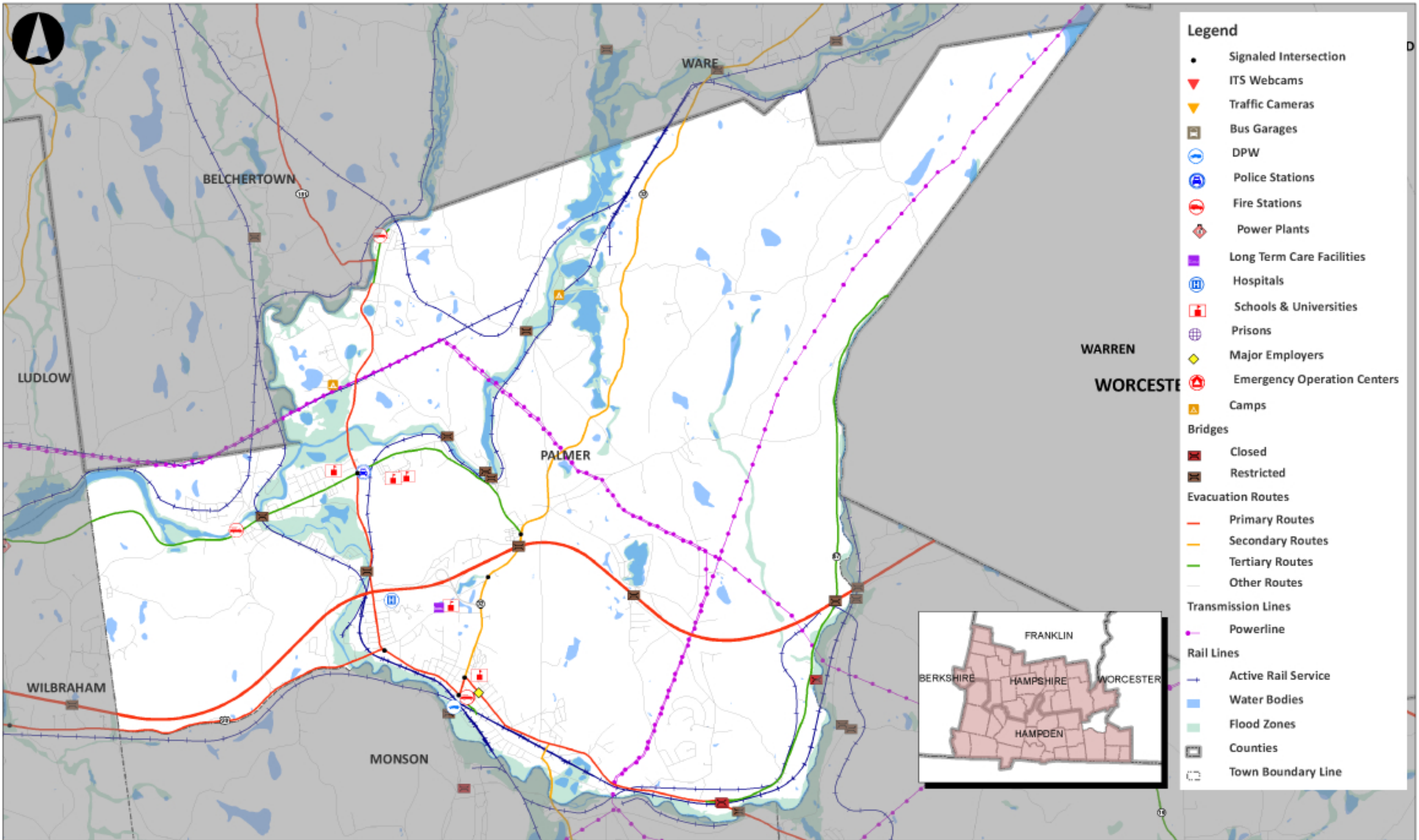




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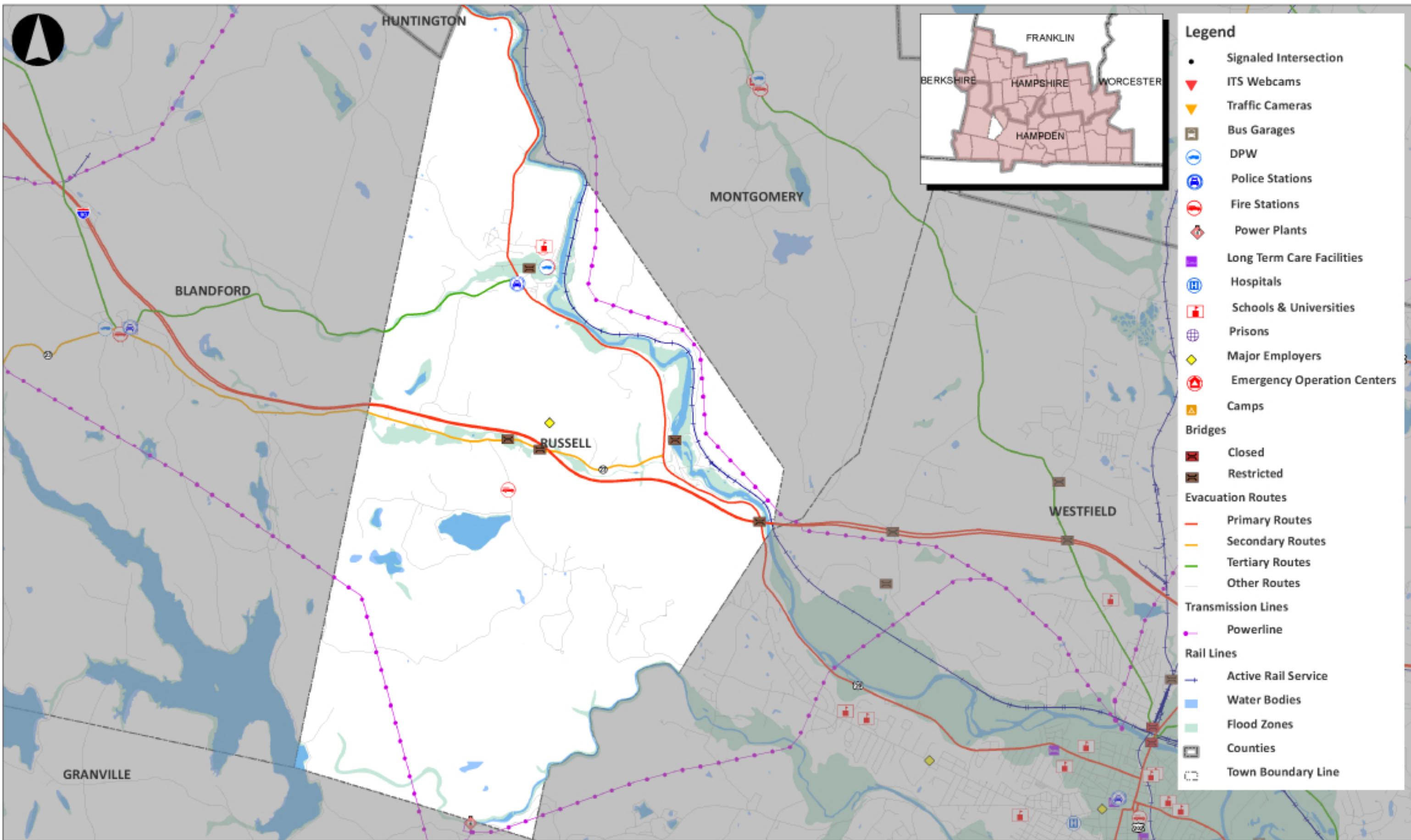


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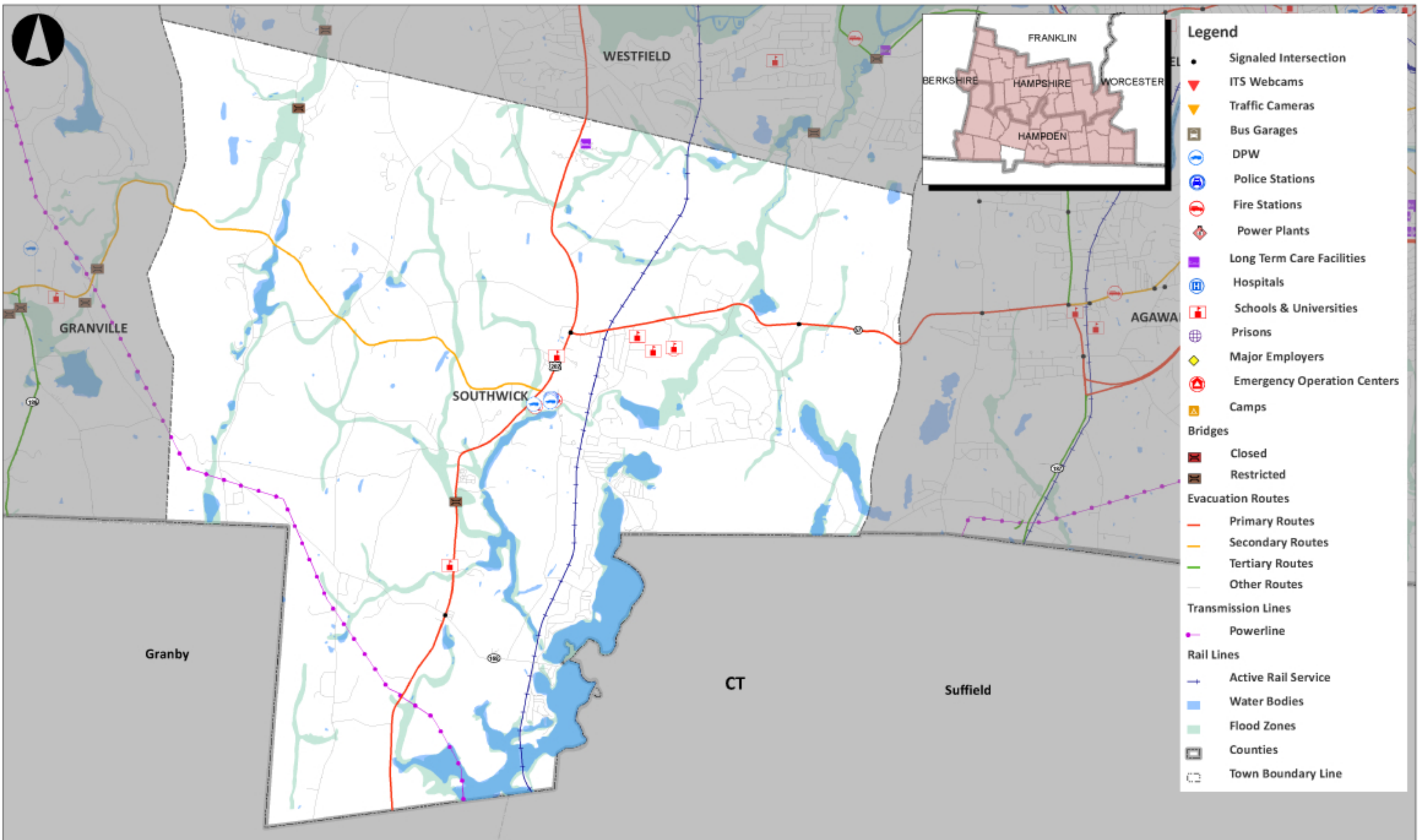
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 - 🏠 Long Term Care Facilities
 - 🏥 Hospitals
 - 🎓 Schools & Universities
 - 🏛 Prisons
 - 💼 Major Employers
 - 🚒 Emergency Operation Centers
 - 🏕 Camps
 - Bridges**
 - 🚫 Closed
 - 🚧 Restricted
 - Evacuation Routes**
 - Primary Routes
 - Secondary Routes
 - Tertiary Routes
 - Other Routes
 - Transmission Lines**
 - Powerline
 - Rail Lines**
 - Active Rail Service
 - 🌊 Water Bodies
 - 🌊 Flood Zones
 - 🗺 Counties
 - 🗺 Town Boundary Line

RUSSELL

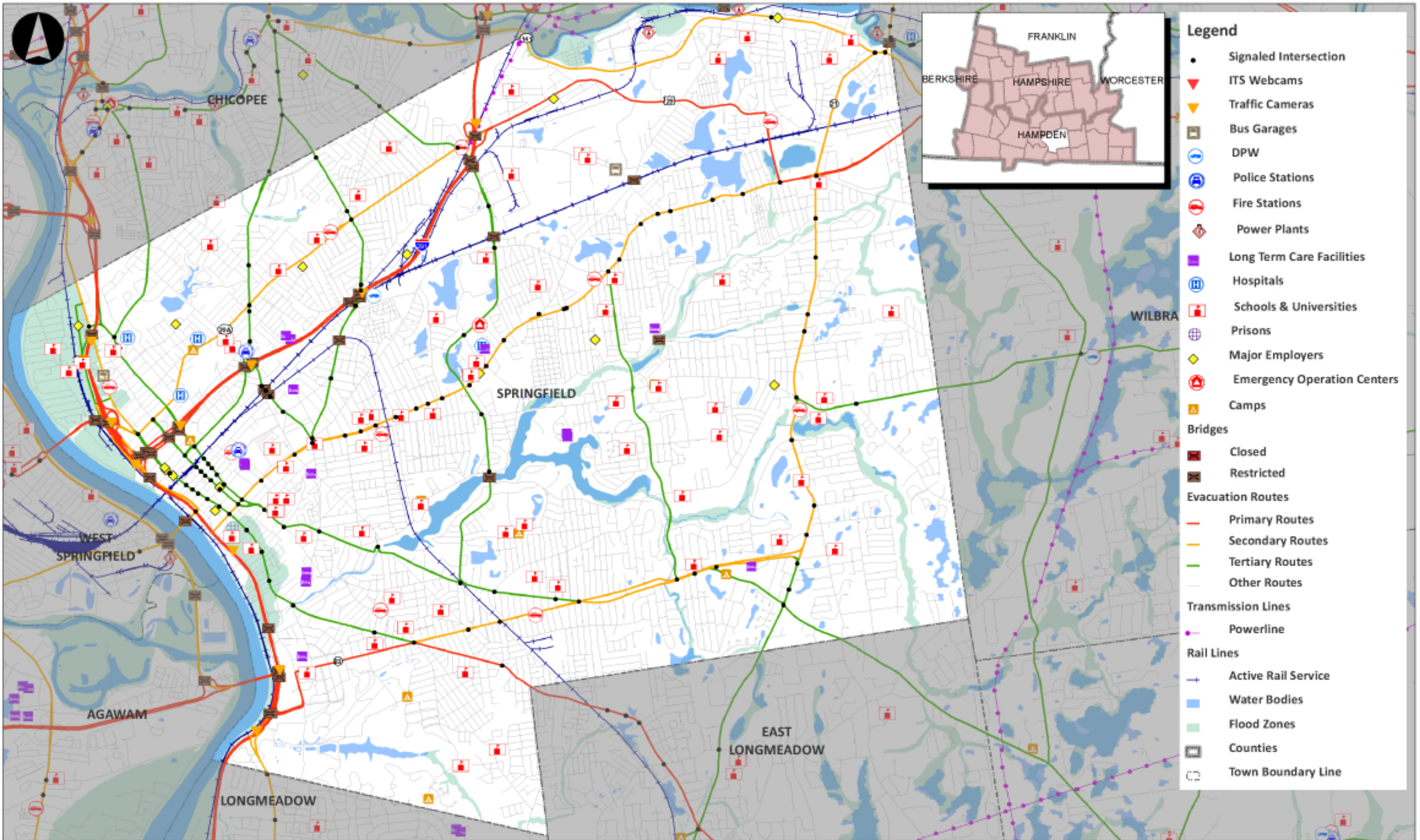


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 - 🌊 Water Bodies
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SOUTHWICK

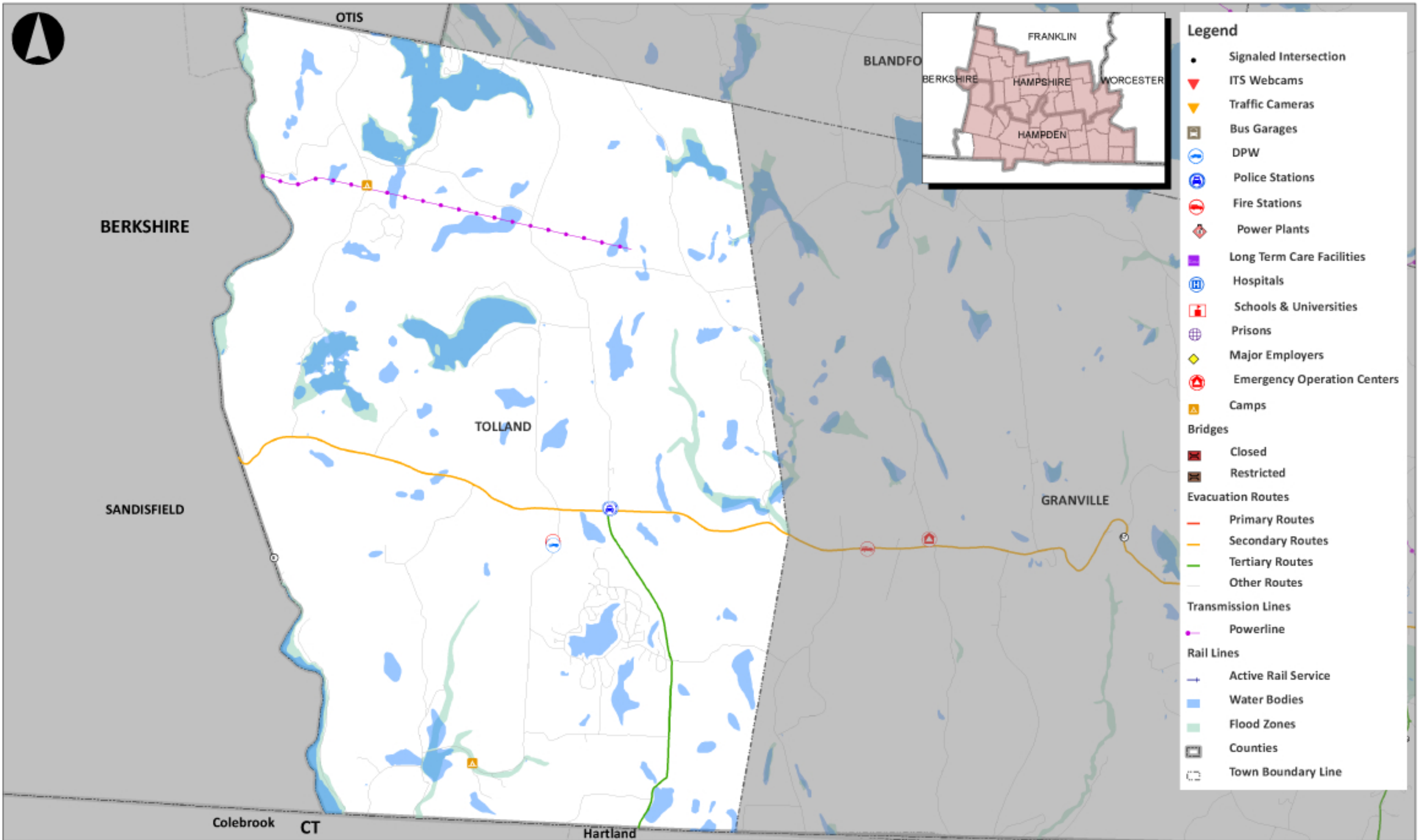


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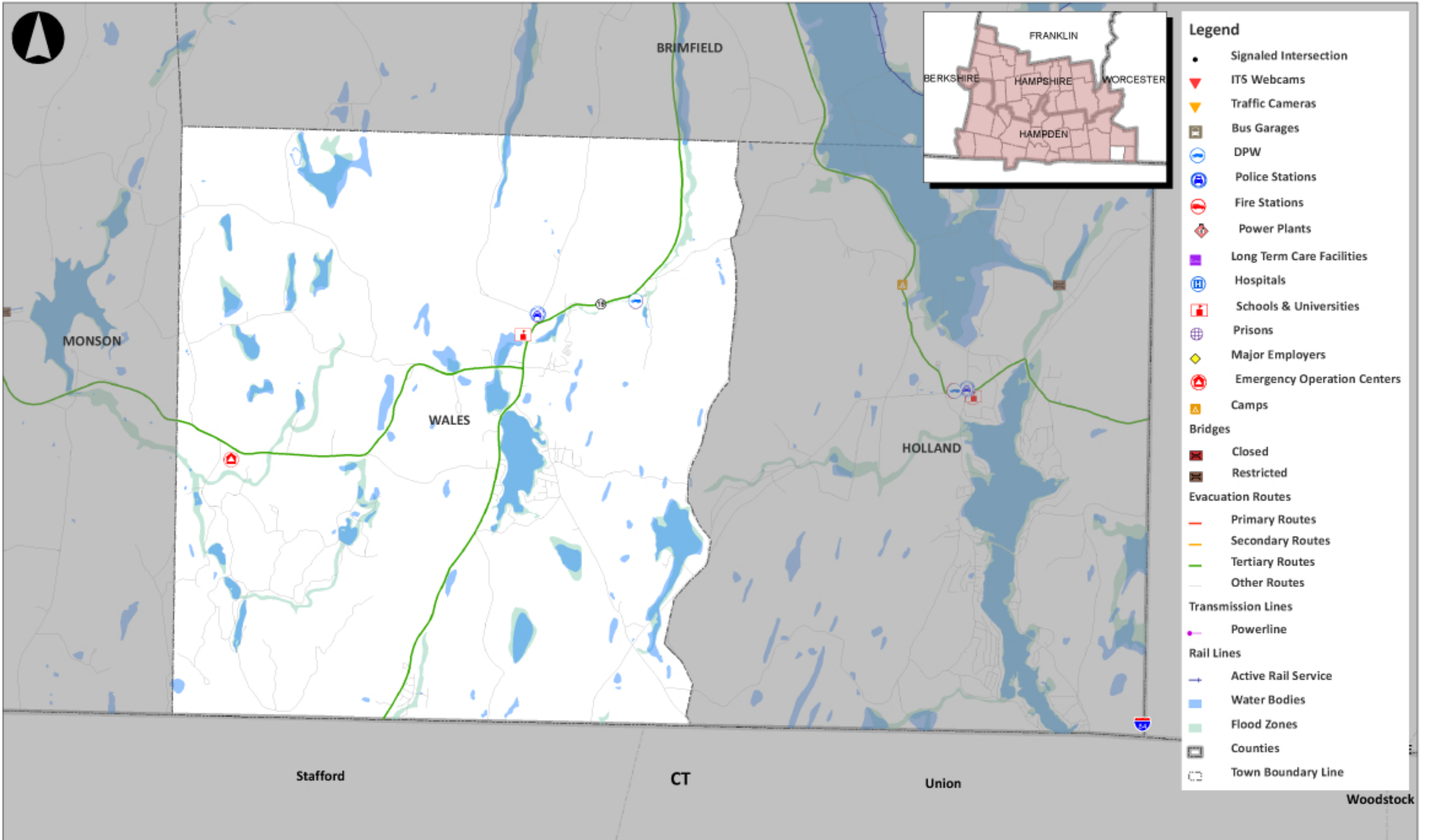


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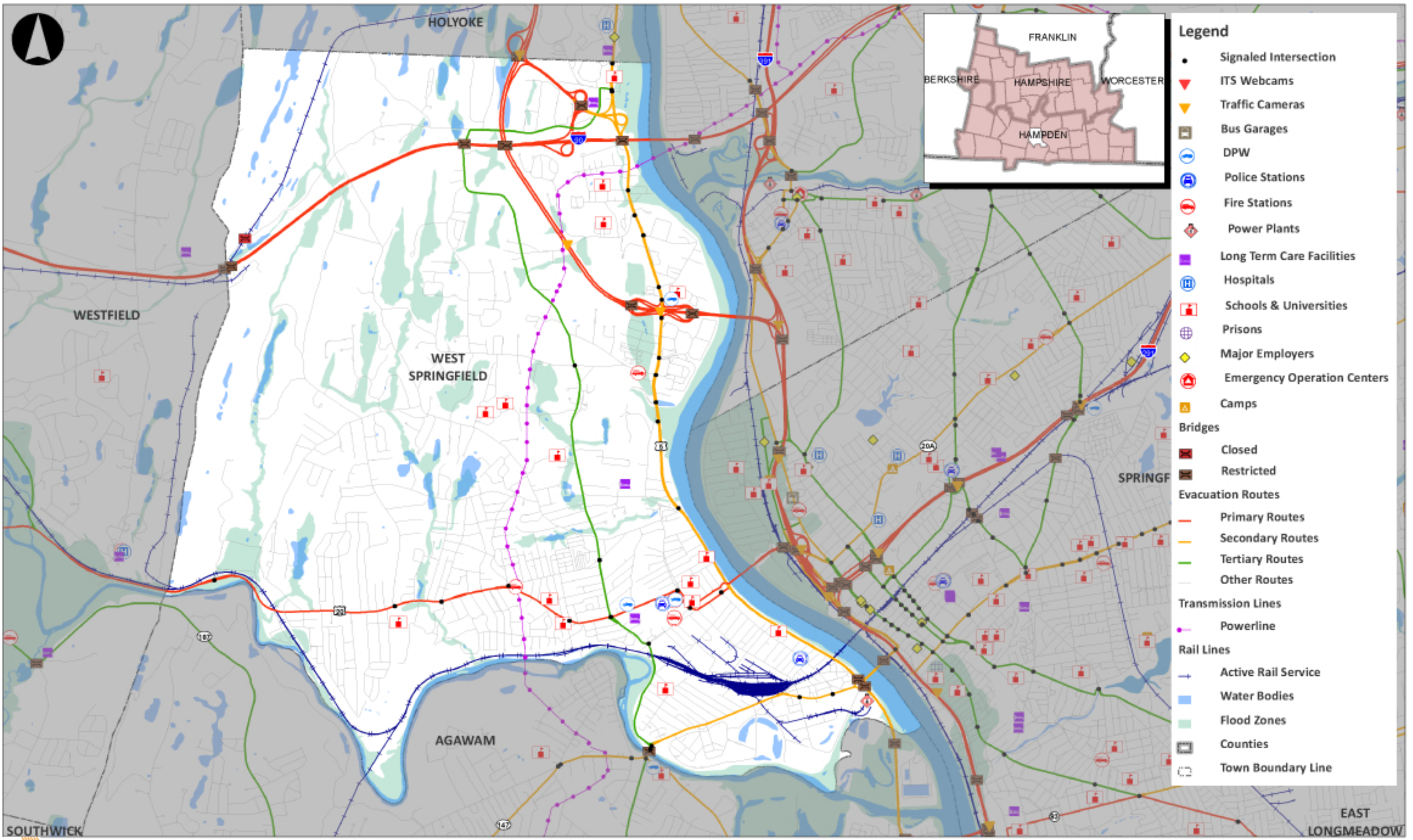
TOLLAND



WALES

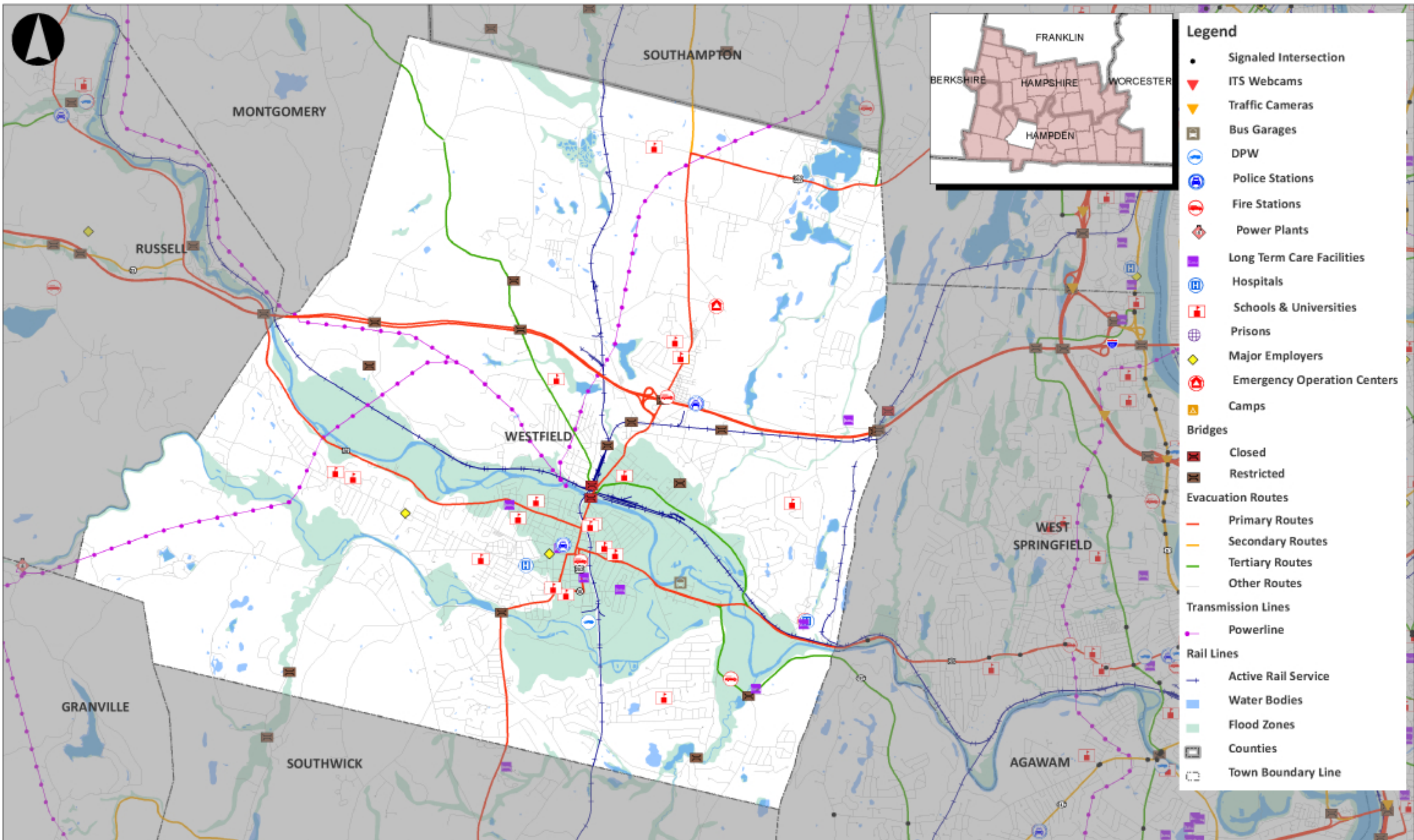


WEST SPRINGFIELD

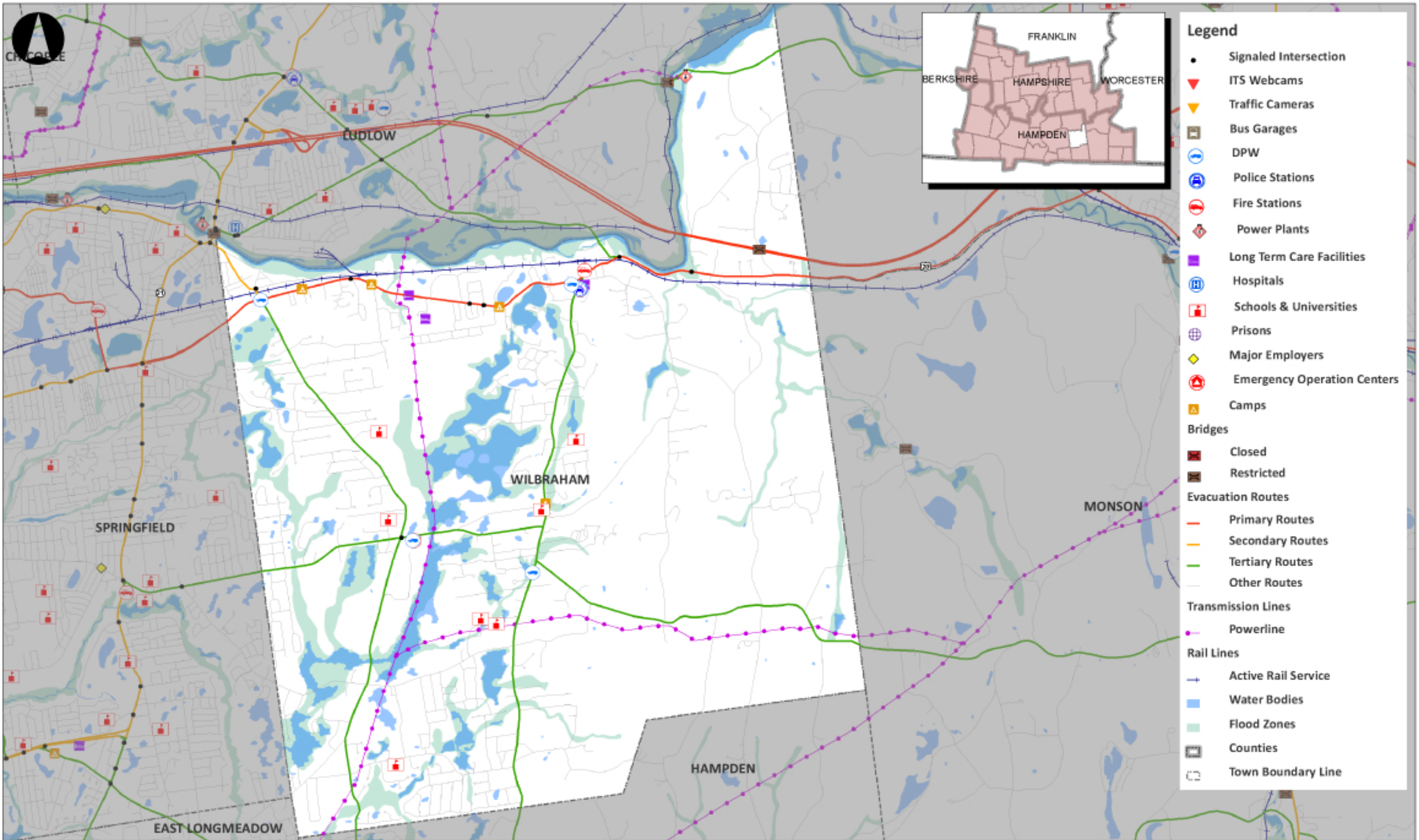


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 - Transmission Lines**
 - Powerline
 - Rail Lines**
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 - Flood Zones
 - ▭ Counties
 - Town Boundary Line

WESTFIELD



WILBRAHAM



- Legend**
- Signaled Intersection
 - ▼ ITS Webcams
 - ▲ Traffic Cameras
 - Bus Garages
 - ⓘ DPW
 - Ⓜ Police Stations
 - 🚒 Fire Stations
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 - 🏠 Long Term Care Facilities
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 - 🎓 Schools & Universities
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Population Clusters

Daytime Town Populations

The population of Hampden County varies based on the time of day, as people travel to and from work and school. Using US Census Data and information on major employment centers, the daytime population of Hampden County is shown in the map below.

Towns with Daytime Population Increases

Town	Day	Night	Difference
East Longmeadow	16,898	15,720	1,178
Holyoke	56,108	39,880	16,228
Springfield	183,710	153,060	30,650
West Springfield	33,557	28,391	5,166

Towns with Daytime Population Decreases

Town	Day	Night	Diff.
Agawam	27,342	28,438	-1,096
Blandford	864	1,233	-369
Brimfield	2,415	3,609	-1,194
Chester	847	1,337	-490
Chicopee	52,272	55,298	-3,026
Granville	938	1,566	-628
Hampden	3,626	5,139	-1,513
Holland	1,427	2,481	-1,054
Longmeadow	13,987	15,784	-1,797
Ludlow	18,430	21,103	-2,673
Monson	5,845	8,560	-2,715
Montgomery	497	838	-341
Palmer	11,203	12,140	-937
Russell	1,139	1,775	-636
Southwick	7,643	9,502	-1,859

In order to differentiate the daytime population from the resident population (nighttime population), the following population categories were added:

- People who live in town but are not part of the labor force (children, retirees, students living at home, etc.)
- People employed within the town
- People who are unemployed
- Students who do not commute and are not residents of their town
- Students who commute to school

Towns by Nighttime Population

Town	Population
Springfield	153,060
Chicopee	55,298
Westfield	41,094
Holyoke	39,880
Agawam	28,438
West Springfield	28,391
Ludlow	21,103
Longmeadow	15,784
East Longmeadow	15,720
Wilbraham	14,219
Palmer	12,140
Southwick	9,502
Monson	8,560
Hampden	5,139
Brimfield	3,609
Holland	2,481
Wales	1,838
Russell	1,775
Granville	1,566
Chester	1,337
Blandford	1,233
Montgomery	838
Tolland	485

Source: US Census

Major Employers

There are 81 employers that have 200 or over employees in Hampden County. They are listed in the table below. Major employers may require additional assistance in the event of an evacuation.

Town	Company	Employees	EMD/Contact	Phone
Agawam	Chez Josef	220	-	413-786-0257
Agawam	Country Estates of Agawam	220	-	413-789-2200
Agawam	H P Hood Llc	370	-	413-786-7117
Agawam	Olympic Manufacturing Group	280	-	413-789-0252
Agawam	Simmons Bedding Co.	200	-	413-789-4410
Brimfield	Country Bank for Savings	274	-	413-245-7946
Chicopee	Avery Dennison Corp.	287	-	413-557-6300
Chicopee	Calloway Golf Company	650	-	413-536-1200
Chicopee	For Community Services Inc.	200	-	413-592-2184
Chicopee	Ludlow Technical Products	350	-	413-593-6400
Chicopee	RiverBend Medical Group	554	-	413-594-3111
Chicopee	Wal-Mart	1,386	-	413-593-3192
Chicopee	Wal-Mart	500	-	413-593-3192
Chicopee	Westover Air Reserve Base (civilians only)	1,100	-	413-557-1110
East Longmeadow	Hasbro Games	1,100	-	413-526-2000
East Longmeadow	Lenox Tools	550	-	413-525-3961
Holyoke	H & R Block Tax Services	300	-	413-536-4766
Holyoke	Holyoke Community College	940	-	413-538-7000
Holyoke	Holyoke Hospital	1,404	-	413-534-2500
Holyoke	Soldiers Home in Holyoke	391	-	413-532-9475
Holyoke	Target	200	-	413-532-0240
Holyoke	US Tsubaki Inc.	200	-	413-536-1576
Holyoke	Western Massachusetts Training	240	-	413-536-2401
Longmeadow	Jewish Geriatric Services Inc.	380	-	413-567-6211
Ludlow	Healthsouth Rehabilitation Ctr	200	-	413-589-7581
Ludlow	R & C Floral	289	-	413-583-4283
Monson	Department of Mental Retardation	1,232	-	413-283-3411
Palmer	Camp Ramah in New England	280	-	413-283-9771
Palmer	Wing Memorial Hospital	740	-	413-283-7651
Springfield	American International College	428	-	413-737-7000
Springfield	American Medical Response	300	-	413-846-6100
Springfield	Baystate Health Systems	6,565	-	413-794-0000
Springfield	Big Y Foods Inc.	3,337	-	413-504-4000
Springfield	C J's Towing Unlimited Inc	200	-	413-543-9100
Springfield	Center for Business & Technology	400	-	413-755-4225
Springfield	Center for Human Development	945	-	413-733-6624
Springfield	First Student Inc.	320	-	413-736-6781
Springfield	FL Roberts	377	-	413-781-7444
Springfield	Hampden County Physician Association	274	-	413-733-3470

Town	Company	Employees	EMD/Contact	Phone
Springfield	Harvey Industries	249	-	413-731-7700
Springfield	Health New England	210	-	413-787-4000
Springfield	J Polep Distribution Services	475	-	413-592-4141
Springfield	Kindred Park View Specialty Hospital	300	-	413-878-6700
Springfield	MA Social Services	200	-	
Springfield	Marriott	220	-	413-781-1111
Springfield	MassMutual Financial Group	4,366	-	413-744-2877
Springfield	New North Citizens Council	200	-	413-746-4885
Springfield	Northeast Utilities	281	-	413-781-4300
Springfield	Performance Food Group	350	-	800-388-0257
Springfield	Peter Pan Bus Lines Inc.	864	-	800-343-9999
Springfield	Preffered People Staffing	500	-	413-736-9155
Springfield	Reeds Landing	214	-	413-782-1800
Springfield	Sheraton	256	-	413-781-1010
Springfield	Shriner's Hospital	251	-	413-787-2000
Springfield	Sisters of Providence Health System	2,253	-	413-748-9601
Springfield	Smith & Wesson	587	-	413-781-8300
Springfield	Solutia Inc.	512	-	413-788-6911
Springfield	Springfield College	650	-	413-748-3597
Springfield	Springfield Technical Community College	460	-	413-781-7822
Springfield	Stop and Shop	429	-	413-732-6510
Springfield	Sunday RePrivatean	500	-	413-788-1000
Springfield	Titeflex Corp.	500	-	413-271-8346
Springfield	U.S. Post Office	2,520	-	413-733-3850
Springfield	Western New England College	589	-	413-782-3111
Springfield	YMCA	505	-	413-739-6951
West Springfield	Avon Products Inc.	300	-	413-363-0799
West Springfield	Cyalume Technologies Inc.	200	-	888-858-7881
West Springfield	Interim Healthcare	210	-	413-734-6900
West Springfield	ITT Power Solutions	410	-	413-263-6200
West Springfield	Lower Pioneer Valley Educational	360	-	413-735-2200
West Springfield	Wingate at West Springfield	200	-	413-733-3151
Westfield	Jen-Coat Inc.	200	-	413-562-2315
Westfield	Mestek Inc.	400	-	413-568-9571
Westfield	National Envelope	364	-	413-568-2432
Westfield	Noble Hospital	669	-	413-568-2811
Westfield	Savage Arms Inc.	222	-	413-568-7001
Westfield	Western Massachusetts Hospital	250	-	413-562-4131
Westfield	Westfield State College	550	-	413-572-5300
Wilbraham	Friendly Ice Cream Corp.	380	-	800-966-9970
Wilbraham	Home Depot	429	-	413-543-8100

Source: 2008 Major Employers Inventory for the Pioneer Valley Region

Hospitals

There are 13 hospitals in Hampden County.

Town	Hospital	Beds	Address	Contact	Phone
Holyoke	Holyoke Hospital, Inc.	198	575 Beech Street	Robert Moore	413-534-2500 Moore_robert@ holyokehealth.com
Holyoke	Providence Hospital	125	1233 Main Street	-	413-536-5111
Holyoke	Soldiers Home in Holyoke	308	110 Cherry Street	-	413-532-9475
Ludlow	Health South Rehab Hospital of Western New England	53	14 Chestnut Place	-	413-589-7581
Palmer	UMass Memorial Wing Memorial Hospital	73	40 Wright Street	-	413-283-7651
					413-824-9796 cheryl.volpe@ baystatehealth.org
Springfield	Baystate Medical Center	653	759 Chestnut Street	Cheryl Volpe Roger Wrigley John Murray	413-773-2572 Roger.wrigley@ baystatehealth.org
					413-794-1400 john.murray@ baystatehealth.org
Springfield	Mercy Medical Center	325	271 Carew Street	Ann Shea	413-748-9003
Springfield	Park View Specialty Hospital	284	1400 State Street	-	413-787-6700
Springfield	Shriners Hospital for Children	40	516 Carew Street	-	413-787-2000
Ware	Mary Lane Hospital	25	85 South Street	Kevin Smith	413-967-2180 Kevin.smith@bhs.org
Westfield	Noble Hospital	97	115 West Silver Street	Bruce Bussiere	413-568-2811
Westfield	Western Massachusetts Hospital	70	91 East Mountain Road	-	413-562-4131

Source: 2008 Major Employers Inventory for the Pioneer Valley Region

Senior Care Facilities

There are 61 senior care facilities in Hampden County.

Town	Facility	Beds	Facility Type	Address
Agawam	Country Estates Of Agawam	-	Assisted Living	1200 Suffield St
Agawam	Heritage Woods	-	Assisted Living	462 Main St
Agawam	The Atrium At Cardinal Drive	-	Assisted Living	153 Cardinal Dr
Agawam	Heritage Hall South Nursing Home	122	-	65 Cooper Street
Agawam	Heritage Hall East Nurs & Rehab Ctr	123	-	464 Main Street
Agawam	Country Estates Of Agawam	176	-	1200 Suffield Street
Agawam	Heritage Hall North Nursing Home	124	-	55 Cooper Street
Agawam	Heritage Hall West Nursing Home	164	-	61 Cooper Street
Chicopee	The Arbors At Chicopee	-	Assisted Living	929 Memorial Dr
Chicopee	Birch Manor Rehab & Skld Nurs Ctr	68	-	44 New Lombard Road
Chicopee	Chicopee Rest Home, Inc.	38	-	12 Dallaire Avenue
Chicopee	Willimansett Center East	85	-	11 St Anthony Street
Chicopee	Willimansett Center West	103	-	546 Chicopee Street
East Longmeadow	East Village Place	-	Assisted Living	50 Benton Drive
East Longmeadow	East Longmeadow Skilled Nursing Ctr	119	-	305 Maple Street
East Longmeadow	Wingate At East Longmeadow	123	-	32 Chestnut Street
East Longmeadow	Redstone Rehabilitation Nurs. Ctr	254	-	135 Benton Drive
Hampden	Mary Lyon Nursing & Rehab Ctr	100	-	34 Main Street
Holyoke	Beaven Kelly Home	-	Assisted Living	25 Brightside Drive
Holyoke	Loomis House	-	Assisted Living	298 Jarvis Ave
Holyoke	Sarawood	-	Assisted Living	1 Loomis Ave
Holyoke	Renaissance Manor On Cabot	61	-	279 Cabot Street
Holyoke	Holyoke Geriatric & Convalescent Ct	201	-	45 Lower Westfield Road
Holyoke	Mont Marie Health Care Center, Inc.	84	-	34 Lower Westfield Road
Holyoke	Holyoke Hospital Trans Care Center	23	-	575 Beech Street 4/F South Unit
Holyoke	Mt Saint Vincent Nursing Home	125	-	35 Holy Family Road
Holyoke	Holyoke Health Care Center	102	-	282 Cabot Street
Holyoke	Holyoke Rehabilitation Center	164	-	260 Easthampton Road
Holyoke	Loomis House Nursing Center	92	-	298 Jarvis Avenue
Holyoke	Holyoke Soldiers Home	280	-	110 Cherry Street
Longmeadow	Chestnut Knoll At Glenmeadow	-	Assisted Living	24 Tabor Crossing
Longmeadow	Ruth'S House	-	Assisted Living	780 Converse St
Longmeadow	Jewish Nursing Home Of Western Mass	200	-	770 Converse Street
Palmer	Palmer Healthcare Center	61	-	250 Shearer Street
Southwick	American Inn At Sawmill Park	-	Assisted Living	802 College Highway
Springfield	Keystone Woods Senior Living	-	Assisted Living	942 Grayson Drive
Springfield	Primus Mason Court	-	Assisted Living	74 Walnut
Springfield	Reeds Landing	-	Assisted Living	807 Wilbraham Rd

Town	Facility	Beds	Facility Type	Address
Springfield	Saint Luke'S Home	-	Assisted Living	85 Spring St
Springfield	Mercy Care Center Of Springfield	127	-	370 Pine Street
Springfield	Wingate At Springfield	120	-	215 Bicentennial Highway
Springfield	Park View Rehabilitation & Nursing Ct	172	-	1400 State Street
Springfield	Reeds Landing Health Center	42	-	807 Wilbraham Road 1St Floor
Springfield	Ellen Rice Rest Home, Inc.	12	-	38 Warner Street
Springfield	Lord Nathan Rest Home Inc	19	-	175 Bowdoin Street
Springfield	St Luke'S Home	89	-	85 Spring Street
Springfield	Hampden House	158	-	190 Kendall Street
Springfield	Maple Hill Rest Home, Inc.	32	-	156 Mill Street
Springfield	Chapin Center	160	-	200 Kendall Street
West Springfield	Landmark At Monastery Heights	-	Assisted Living	110 Monastery Ave
West Springfield	Wingate At West Springfield	168	-	42 Prospect Avenue
West Springfield	Center For Rehab And Nursing	120	-	217 Westfield St
Westfield	Washington House	-	Assisted Living	16 Washington St
Westfield	Westfield Meadows	-	Assisted Living	74 Old Holyoke Road
Westfield	Renaissance Manor Of Westfield	80	-	37 Feeding Hills Road
Westfield	Governors Center	100	-	66 Broad Street
Westfield	Barnard Rest Home, Inc.	84	-	160 Franklin Street
Westfield	Harborside Hlthcare-Westfield R&Nc	98	-	60 East Silver Street
Wilbraham	Orchard Valley At Wilbraham	-	Assisted Living	2387 Boston Road
Wilbraham	Wingate At Wilbraham R&Sn Residence	135	-	9 Maple Street
Wilbraham	Life Care Ctr Of Wilbraham, A Ltcf	123	-	2399 Boston Road

Sources: Massachusetts Division of Health Care Quality, Medicare.gov, Massachusetts Executive Office of Elder Affairs

Descriptions of the different types of senior facilities are as follows:

- **Nursing homes** provide the highest level of care, with feeding, bathing, and health services. Residents will be in the greatest need of assistance during an evacuation and will likely require medical assistance.
- **Rest homes** include supportive services, such as help in preparing food or cleaning, without routine medical attention. Residents likely do not have their own transportation but also likely do not need medical assistance.
- **Assisted living and continuing care** facilities provide supportive services, including help with personal tasks and household management. While residents of these facilities do not necessarily require medical assistance, they also do not necessarily have their own transportation and often rely generally on paratransit services.
- **Continuing care** facilities combine the aspects of nursing homes, assisted living facilities, and rest homes. These facilities offer elderly individuals the ability to age in place by providing several tiers of care at a single location. These residents may have a range of varying medical, mobility, and transportation requirements.

Educational Institutions

Non-Boarding Public Schools

Students who attend non-boarding schools live at home with their families and have local transportation accommodations already provided. For Evacuations that occur when school is not in session, these students are anticipated to evacuate with their families and do not require special considerations. For an evacuation while school is in session, all public schools should have evacuation plans in place, as required by the state. Preschools are also required through the state to have evacuation plans. These plans should be reviewed regularly, and updated as needed. Schools should assure that adequate transportation is available for a large scale evacuation of more than one school in a region.

Town	Facility	Enrollment	Address	Contact Information
Agawam	Benjamin J Phelps (Elementary)	374	689 Main Street	413-821-0586
Agawam	Agawam High School	1312	760 Cooper Street	413-821-0530
Agawam	Agawam Middle School	696	68 Main Street	413-789-1400
Agawam	Robinson Park School	369	65 Begley Street	413-821-0582
Agawam	Clifford M Granger School (Elementary)	306	31 South Westfield Street	413-821-0581
Agawam	James Clark School (Elementary)	364	65 Oxford Street	413-821-0576
Agawam	Agawam Junior High	724	1305 Springfield St	413-821-0542
Agawam	Early Childhood Center (Preschool And Elementary)	128	108 Perry Lane	413-821-0597
Agawam	Kid's Place Preschool	63	901 Springfield Street	413-786-7980
Agawam	Smart Start Preschool	25 summer, 125 school year	17 Begley St	413-786-0302
Blandford	Blandford Elementary School	54	1 Russell Stage Road	413-685-1350
Blandford	Gateway Regional High School	347	12 Littleville Road, Huntington Ma 01050	413-667-5593
Brimfield	Brimfield Elementary	349	22 Wales Rd	508-347-5977 ext 12
Brimfield	Hitchcock Free Academy (All Ages)	-	2 Brookfield Rd. (Rt. 20)	413-245-9977
Brimfield	New Hingham Regional Elementary	187	30 Smith Rd	413-296-0000
Chester	Chester Elementary School	89	325 Middlefield Road	413-685-1360

Town	Facility	Enrollment	Address	Contact Information
Chicopee	Anna E. Barry School (Elementary)	395	44 Connell St.	413-594-3425
Chicopee	Belcher School (Elementary)	263	10 Southwick St	413-594-3526
Chicopee	Edward Bellamy School (Middle School)	971	314 Pendleton Ave	413-594-3527
Chicopee	Patrick Bowe School (Preschool And Elementary)	436	115 Hampden St	413-594-3431
Chicopee	Bowie Memorial School (Elementary School)	400	80 Dare Way	413-594-3532
Chicopee	Chapin Alternative School (Middle And High School)	84	40 Meadow St	413-594-3434
Chicopee	Chicopee Comprehensive School (High School)	1367	617 Montgomery St.	413-594-3534
Chicopee	Chicopee High School	1170	820 Front Street	413-594-3437
Chicopee	Career Technical Education (High School)	1450	617 Montgomery St	413-594-3555
Chicopee	Fairview Veterans Memorial Middle School	750	26 Memorial Ave.	413-594-3501
Chicopee	Holy Name Elementary School	167	63 South St.	413-592-6857
Chicopee	Holyoke Catholic High School	302	134 Springfield St.	413-331-2480
Chicopee	Jon Stefanik Memorial School (Elementary School)	394	720 Meadow St.	413-594-3463
Chicopee	Lambert-Lavoie Memorial School (Elementary School)	276	99 Kendall	413-594-3444
Chicopee	Robert R. Litwin School (Elementary School)	360	165 Litwin Lane	413-594-3545
Chicopee	Selser Memorial School (Elementary School)	374	12 D.A.R.E. Way	413-594-3449
Chicopee	St. Joan Of Arc/St. George School (Preschool, Elementary, And Middle School)	312	587 Grattan St.	413-533-1475

Town	Facility	Enrollment	Address	Contact Information
Chicopee	St. Stanislaus School (Preschool, Elementary, And Middle School)	375	534 Front St.	413-592-5135
Chicopee	Streiber Memorial School (Elementary School)	271	40 Streiber Drive	413-594-3446
Chicopee	Szetela Early Childhood Development Center (Preschool)	240	66 Macek Drive	413-594-3597
East Longmeadow	Artistic Dance Conservatory	-	357A Shaker Rd	413-525-8810
East Longmeadow	Birchland Park Middle School	669	50 Hanward Hill	413-525-5450
East Longmeadow	Meadow Brook School (Preschool)	628	607 Parker Street	413-525-5450
East Longmeadow	Mountain View School (Elementary)	315	77 Hampden Rd	413-525-5450
East Longmeadow	Mapleshade School (Elementary)	309	175 Mapleshade Avenue	413-525-5450
East Longmeadow	East Longmeadow High School	938	180 Maple Street	413-525-5450
Granville	Granville Village School (Elementary And Middle School)	150	409 Main Road	413-569-5391
Hampden	Green Meadows Elementary School	363	38 North Road	413-566-3263
Hampden	Thornton Burgess Middle School	297	85 Wilbraham Road	413-566-8950
Hampden	Green Valley Pre-School	39	10 Allen Street	413-566-5070
Holland	Holland Elementary School	325 students and 35 staff	28 Sturbridge Road	413-245-9644
Holyoke	Holyoke High School	1241	500 Beech Street	413-534-2020
Holyoke	Dean Vocational Technical High School	771	1045 Main Street	413-534-2071
Holyoke	Springdale Education Center (All Grades)	37	317 Maple St	413-420-0115 ext 31
Holyoke	River Valley Academy (High School)	12	30 Center St	413-536-2160

Town	Facility	Enrollment	Address	Contact Information
Holyoke	Holyoke Community Charter School (Elementary And Middle School)	694	2200 Northampton St.	413-533-0111
Holyoke	Lt Clayre Sullivan Elem (Elementary And Middle School)	636	400 Jarvis Avenue	413-534-2060
Holyoke	Maurice A Donahue Elem (Elementary And Middle School)	548	210 Whiting Farms Road	413-534-2069
Holyoke	Morgan Elementary	498	596 South Bridge Street	413-534-2083
Holyoke	H.B. Lawrence School (Elementary)	469	156 Cabot Street	Paul Nowak: 413-534-2075
Holyoke	E N White Elem (Elementary And Middle School)	460	1 Jefferson Street	Ellen Jackson: 413-534-2058
Holyoke	Marcella Kelly School (Preschool And Middle School)	459	216 West Street	Linda Carrier: 413-534-2078
Holyoke	Lt Elmer J McMahon Elementary	317	75 Kane Rd	John Skipper: 413-534-2062
Holyoke	John J Lynch Middle (Middle School)	272	1575 Northampton Street	Diane Godek: 413-534-2050
Holyoke	Dr Wm R Peck Middle (Middle School)	248	1916 Northampton Street	Susan Mulvaney: 413-534-2040
Holyoke	Blessed Sacrament Elem School (Preschool And Middle School)	329	21 Westfield Rd	413-536-2236
Holyoke	Mater Dolorosa Elementary School (Preschool And Middle School)	258	25 Maple St	Corinne Gurka: 413-532-2831
Holyoke	First Lutheran School (Preschool And Middle School)	115	1810 Northampton St	413-532-4272
Holyoke	Center For School Crisis Intervention & Assessment	91	1913 N Hampton St	413-533-9500
Holyoke	Rfkac Experiment With Travel School (Middle And High School)	20	15 Papineau St	413-533-5800
Holyoke	Holyoke Day Nursery, Inc. (Preschool)	62	159 Chestnut Street	413-538-8419

Town	Facility	Enrollment	Address	Contact Information
Holyoke	Children's House (Preschool)	30	513 Beech Street	413-533-8755
Holyoke	St. Paul's Nursery School	35	485 Appleton Street	413-532-4890
Holyoke	Holyoke /Springfield/ Chicopee Head Start (Preschool)	-	662 High St.	Janice Santos, Director: 413-536-0363
Holyoke	Jc Learning Center	14 preschool, 14 infants	40 Brown Ave	413-532-2138
Holyoke	Jc Learning Center	19 preschool and childcare	251 Appleton Street	413-533-1600
Longmeadow	Longmeadow High	1024	95 Grassy Gutter Rd	413-565-4220
Longmeadow	Blueberry Hill (Preschool And Elementary)	563	275 Blueberry Hill Rd	413-565-4280
Longmeadow	Center Elementary School	425	837 Longmeadow	413-565-4290
Longmeadow	Wolf Swamp Road (Elementary)	416	62 Wolf Swamp Rd	413-565-4270
Longmeadow	Glenbrook Middle	401	110 Cambridge Circle	413-565-4250
Longmeadow	Williams Middle	392	410 Williams Street	413-565-4260
Ludlow	Ludlow Senior High	1078	500 Chapin Street	413-589-9001
Ludlow	Paul R Baird Middle	691	1 Rooney Road	413-583-5685
Ludlow	East Street (Elementary)	455	508 East Street	413-589-9121
Ludlow	Veterans Park Elem	418	486 Chapin Street	413-583-5695
Ludlow	Chapin Elementary	358	766 Chapin Street	413-583-5031
Monson	Monson High School	403	55 Margaret Street	413-267-4150
Monson	Quarry Hill Comm (Preschool And Kindergarten)	642	43 Margaret Street	413-267-4150
Monson	Granite Valley Middle	508	21 Thompson Street	413-267-4150

Town	Facility	Enrollment	Address	Contact Information
Palmer	Converse Middle School	517	24 Converse Street, Palmer	413-283-8109
Palmer	Old Mill Pond Elementary School	734	4107 Main Street, Thorndike	413-283-4300
Palmer	Palmer High School	682	4105 Main Street, Thorndike	413-283-6511
Palmer	Pathfinder Regional Vocational Technical High School	661	240 Sykes St., Three Rivers	413-283-9701
Russell	Russell Elementary	104	155 Highland Avenue	413-685-1350
Southwick	Woodland Elementary School	711	80 Powder Mill Road	413-569-6598
Southwick	Powder Mill Middle School	576	94 Powder Mill Road	413-569-5951
Southwick	Southwick-Tolland Regional High School	617	93 Feeding Hills Road	413-569-6171
Springfield	Alfred G Zanetti (Preschool, Kindergarten, And Middle School)	460	59 Howard Street	413-787-7400
Springfield	Alice B Beal Elem	301	285 Tiffany Street	413-787-7544
Springfield	Arthur T Talmadge Elementary School	288	1395 Allen Street	413-787-7249
Springfield	Edward Boland Elementary School	645	426 Armory Street	413-750-2511
Springfield	Brightwood (Kindergarten)	403	471 Plainfield Street	413-787-7238
Springfield	Chestnut Street Middle	1155	355 Plainfield Street	413-750-2333
Springfield	Daniel B Brunton (Preschool And Elementary)	599	1801 Parker Street	413-787-7444
Springfield	Dryden Memorial (Preschool And Elementary)	281	190 Surrey Rd	413-787-7248
Springfield	Elias Brookings (Kindergarten And Middle School)	485	367 Hancock Street	413-787-7200

Town	Facility	Enrollment	Address	Contact Information
Springfield	Forest Park Middle	1041	46 Oakland Street	413-787-7420
Springfield	Frank H Freedman (Elementary)	282	90 Cherokee Dr	413-787-7443
Springfield	Frederick Harris (Preschool And Elementary)	221	58 Hartford Ter	413-787-7254
Springfield	Gerena (Preschool And Elementary)	710	200 Birnie Avenue	413-787-7320
Springfield	Glenwood (Kindergarten And Elementary)	343	50 Morrison Terrace	413-787-7527
Springfield	Glickman Elementary	290	120 Ashland Avenue	413-750-2756
Springfield	High School Of Commerce	1286	415 State Street	413-787-7220
Springfield	High School/Science-Tech	1743	1250 State Street	413-750-2000
Springfield	Hiram L Dorman (Elementary)	228	20 Lydia Street	413-787-7554
Springfield	Holy Name School (Preschool, Elementary, And Middle School)	250	37 Alderman	413-736-4235
Springfield	Homer Street (Elementary)	326	43 Homer Street	413-787-7526
Springfield	Indian Orchard Elementary	715	95 Milton Street	413-787-7255
Springfield	John F Kennedy Middle	616	1385 Berkshire Avenue	413-787-7510
Springfield	John J Duggan Middle	778	1015 Wilbraham Rd	413-787-7410
Springfield	Kathleen Thornton School (Elementary)	32	44 Sherman	413-739-5626
Springfield	Kensington Avenue (Elementary)	337	31 Kensington Avenue	413-787-7522
Springfield	Liberty (Elementary)	289	962 Carew Street	413-787-7299

Town	Facility	Enrollment	Address	Contact Information
Springfield	Lincoln (Elementary)	378	732 Chestnut Street	413-787-7314
Springfield	M Marcus Kiley Middle	939	180 Cooley Street	413-787-7240
Springfield	Margaret C Ells (Preschool And Elementary)	166	319 Cortland Street	413-787-7345
Springfield	Mary M Lynch (Elementary)	297	315 No Branch Pkwy	413-787-7250
Springfield	Mary M Walsh (Elementary)	419	50 Empress Ct	413-787-7448
Springfield	Mary O Pottenger (Elementary)	415	1435 Carew Street	413-787-7266
Springfield	Milton Bradley School (Elementary)	595	22 Mulberry Street	413-787-7475
Springfield	New Leadership Charter (Middle And High School)	450	180 Ashland Avenue	413-782-9111
Springfield	Orchard Children's Corner (Preschool And Kindergarten)	40	451 Main Street	413-543-9033
Springfield	Putnam Voc Tech High School	1333	1300 State Street	413-787-7424
Springfield	Rebecca M Johnson (Elementary)	674	55 Catherine Street	413-787-6687
Springfield	Robert M. Hughes Academy Charter (Elementary And Middle School)	182	91 School Street	413-747-5200
Springfield	Sabis International Charter (All Grades)	1373	160 Joan Street	413-783-2600
Springfield	Samuel Bowles (Elementary)	323	24 Bowles Pk	413-787-7334
Springfield	Springfield Academy For Excellence (All Grades)	384	90 Berkshire Street	413-787-7036
Springfield	Springfield Central High School	1985	1840 Roosevelt Avenue	413-787-7085
Springfield	Sumner Avenue (Elementary)	498	45 Sumner Avenue	413-787-7430

Town	Facility	Enrollment	Address	Contact Information
Springfield	Thomas M Balliet (Elementary)	261	111 Seymour Avenue	413-787-7446
Springfield	Three Rivers Program (Elementary)	12	32 Ridgewood Place	413-733-4032
Springfield	Van Sickle Middle School	1135	1170 Carew Street	413-750-2887
Springfield	Warner Elementary School	281	493 Parker Street	413-787-7258
Springfield	Washington Elementary School	304	141 Washington Street	413-787-7551
Springfield	White Street (Elementary)	382	300 White Street	413-787-7543
Springfield	William N Deberry (Elementary)	297	670 Union Street	413-787-7582
Wales	Wales Elementary	178	41 Main St.	508-347-5977 ext 12
West Springfield	John Ashley School (Kindergarten)	218	88 Massasoit Ave.	413-263-3323
West Springfield	Cowing School Early Childhood Center	-	160 Park Street	(413)263-3326
West Springfield	After School Program Of West Springfield (Preschool And Kindergarten)	26	615 Main Street	413.736.1831
West Springfield	Coburn Elementary School	386	115 Southworth Street	413-263-3318
West Springfield	Fausey Elementary School	422	784 Amostown Road	413-263-3314
West Springfield	Grace Nursery School	36	1552 Westfield Street	413-733-8651
West Springfield	Memorial Elementary School	189	201 Norman Street	413-263-3333
West Springfield	Mittineague Elementary School	138	26 Second Street	413-263-3327
West Springfield	Mittineague's Children Center (Nursery And Preschool)	84	1840 Westfield St.	413-733-5566

Town	Facility	Enrollment	Address	Contact Information
West Springfield	Tatham Elementary School	239	61 Laurel Road	413-263-3330
West Springfield	The Growing Tree Learning Center (Preschool And Kindergarten)	36-summer, 66 - academic year	451 Russell Road	413-568-3398
West Springfield	The Kids' Place (Preschool)	96	915 Memorial Avenue	413-733-9547
West Springfield	Trinity Nursery School & Kindergarten	-	361 Sumner Avenue	413-739-0028
West Springfield	West Springfield Area Headstart (Preschool)	85	511 Main Street	413-746-3847
West Springfield	West Springfield High School	1340	425 Piper Road	413-263-3400
West Springfield	West Springfield Middle School	945	31 Middle School Drive	413-263-3404
Westfield	Abner Gibbs (Elementary)	172	50 West Silver Street	413-572-6418
Westfield	Alternative School	-	12 West Silver Street	413-562-8916
Westfield	Fort Meadow Ecc (Preschool And Kindergarten)	200	35 White Street	413-572-6422
Westfield	Franklin Ave (Elementary)	190	22 Franklin Ave.	413-596-9311
Westfield	Highland (Elementary)	320	34 Western Avenue	413-572-6428
Westfield	Juniper Park (Elementary)	497	715 Western Avenue	413-572-6505
Westfield	Moseley (Elementary)	179	25 Dartmouth Street	413-572-6360

Town	Facility	Enrollment	Address	Contact Information
Westfield	Munger Hill (Elementary)	393	33 Mallard Lane	413-572-6520
Westfield	North Middle School (Middle School)	780	350 Southampton Road	413-572-6441
Westfield	Paper Mill (Elementary)	423	148 Paper Mill Rd	413-572-6519
Westfield	South Middle School	700	30 West Silver St.	413-568-1900
Westfield	Southampton Road (Elementary)	391	330 Southampton Rd	413-572-6435
Westfield	Westfield Area Head Start (Preschool And Kindergarten)	92	390 Southampton Road	413-572-6425
Westfield	Westfield High	1654	177 Montgomery Rd	413-572-6466
Westfield	Westfield Voc Tech High	500	33 Smith Avenue	413-572-6533
Westfield	Boys & Girls Club Of Greater Westfield, Inc. Day Care	52	28 West Silver St.	413-562-2301
Westfield	Creative Kid's Day Care	78	1251 East Mountain Road	413-568-9822
Wilbraham	Memorial Elementary	318	310 Main Street	413-596-6821
Wilbraham	Mile Tree Elementary	381	625 Main Street	413-596-6921

Town	Facility	Enrollment	Address	Contact Information
Wilbraham	Minnechaug Reg High	1316	621 Main Street	413-596-9011
Wilbraham	Soule Road (Elementary)	341	300 Soule Road	413-596-9311
Wilbraham	Stony Hill School (Elementary)	329	675 Stony Hill Road	413-599-1950
Wilbraham	Wilbraham Middle	421	466 Stony Hill Road	413-596-9061

Non-Boarding Private Schools

Private schools should also maintain evacuation plans for their students, including ensuring available transportation.

Town	Facility	Enrollment	Address	Contact Information
East Longmeadow	Montessori Children's Corner (Preschool)	51	215 Somers Rd	413-525-8305
East Longmeadow	Just Like Home (Preschool And Kindergarten)	13	95 Shaker Rd	413-525-9944
East Longmeadow	Williston Northampton School (Middle And High School)	542	19 Payson Ave.	413-529-3000
Longmeadow	Willie Ross School For Deaf (All Grades)	71	32 Norway St	413-567-0374
Longmeadow	St Mary's Academy (Preschool, Elementary And Middle School)	211	56 Hopkins Pl	413-567-0907 ext 221
Longmeadow	Longmeadow Montessori (Preschool)	175	777 Longmeadow St	413-567-1820
Longmeadow	Heritage Academy (Kindergarten, Elementary, And Middle School)	101	594 Converse St	413-567-1517
Longmeadow	Lubavitcher Yeshiva Academy (Preschool And Elementary And Middle School)	71	1148 Converse St	413-567-8665
Ludlow	St John The Baptist School (Preschool, Elementary And Middle School)	247	217 Hubbard St	413-583-8550
Palmer	Faith Baptist Church Academy (All Grades)	48	251 Shearer Street, Palmer	413-283-7560
Southwick	Open Arms Child Care Center(Preschool And Kindergarten)	122	568 College Highway	413-569-5151
Southwick	Southwick Baptist School (Kindergarten And Middle School)	58	261 College Highway	413-569-4187
Springfield	Academy Hill School (Kindergarten And Middle School)	98	1190 Liberty St	413-788-0300
Springfield	Acres Preschool & Kindergarten	26	850 Parker St	413-783-6614
Springfield	Cathedral High	596	260 Surrey Rd	413-782-5285 ext 4148
Springfield	Curtis Blake Day School (Elementary And Middle School)	85	979 Dickinson Street	413-205-3960
Springfield	Holy Cross School (Preschool, Elementary And Middle School)	652	153 Eddywood St	413-782-5246

Town	Facility	Enrollment	Address	Contact Information
Springfield	Mill Pond School (High School)	33	91 Old Acre Rd	413-783-0567
Springfield	Our Lady Of Mount Carmel School (Preschool, Elementary, And Middle School)	137	36 Margaret St	413-739-3616
Springfield	Our Lady Of Hope School (Preschool, Elementary, And Middle School)	243	474 Armory St	413-734-4125
Springfield	Our Lady Of The Sacred Heart School (Preschool, Elementary, And Middle School)	248	52 Rosewell St	413-782-8021
Springfield	Pioneer Valley Christian (All Grades)	282	965 Plumtree Rd	413-782-8031
Springfield	Pioneer Valley Montessori School (Preschool And Elementary School)	105	1524 Parker St	413-782-3108
Springfield	Square 1 Nursery	160	255 King St	413-732-9905
Springfield	Springfield Sda Junior Academy (Elementary And Middle)	38	797 State St	413-731-2220
West Springfield	Make Way For Ducklings Nursery School	42	20 Lathrop Street	413-734-8979
West Springfield	May Center School/West Springfield	23	1111 Elm St # 2	413-734-0300
West Springfield	Mittineague Methodist Community Preschool	76	800 Amostown Road	413-736-2770
West Springfield	Montessori Children'S House (Preschool And Elementary School)	40	118 Riverdale Street	413-739-2688
West Springfield	St. Thomas School (Preschool Elementary And Middle School)	413	75 Pine Street	413-739-4131
Westfield	St Mary Elementary School	192	35 Bartlett	413-568-2388
Westfield	St Mary High School	167	25 Bartlett	413-568-5692

Town	Facility	Enrollment	Address	Contact Information
Westfield	The White Oak School (Middle And High School)	107	533 North Road	413-562-9500
Westfield	Church Of The Atonement Nursery School	56	36 Court Street	413-562-5461
Wilbraham	Wilbraham & Manson Academy (Middle And High School)	357	423 Main St	413-596-6811

Colleges and Universities

There are 8 colleges in Hampden County, with the largest four all having over 5,000 students in enrollment – these are Holyoke Community College, Springfield Technical Community College, Westfield State University, and Springfield College.

Any necessary evacuation during the Fall, Winter, or Spring will need to accommodate a large number of students that need transport away from these colleges and universities. Many of these schools have large commuter populations and students who own cars, who will be able to transport themselves during an evacuation. However, students that do not have cars and will need transportation assistance and are listed below.

Town	College or University	Full Time Students Living On Campus	Full Time Students Live Off Campus	Part Time Students	Evacuation Plan Location	Contact Information
Chicopee	College of Our Lady of the Elms	386	464	529	http://www.elms.edu/Documents/PublicSafety/%20print%202012.pdf	413-594-2761
Holyoke	Holyoke Community College	0	3,778	3,626	http://www2.hcc.edu/ENS/	413-538-7000
Longmeadow	Bay Path College	411	1,088	613	http://www.baypath.edu/AboutUs/CampusPublicSafety.aspx	413-565-1000
Springfield	American International College	926	875	1,742	http://www.spfldcol.edu/homepage/dept.nsf/BC81220B343BE6788525738E005FDA74/C8A6A1C70CBA381E8525754D00719051	413-737-7000
Springfield	Springfield College	1,995	2,601	789	-	413-748-3597
Springfield	Springfield Technical Community College	0	3,045	3,871	http://www.stcc.edu/police/EmergencyGuides/GeneralEvacuationProcedures.asp	413-781-7822
Springfield	Western New England University	2,035	861	765	http://www1.wne.edu/dps/index.cfm?selection=doc.8931	413-782-3111
Westfield	Westfield State University	2,800	2,040	1,041	http://www.westfield.ma.edu/offices-services/public-safety	413-572-5300

Source: Integrated Postsecondary Education Data System (IPEDS) *On-Campus, full-time students based on IPEDS data for institution's "total dormitory capacity."

Camps

There are a variety of camps located in Hampden County for children and adolescents. Campers at stay-over camps are dropped off by their parents or guardians and do not have immediate personal access to transportation, and will require mass transportation options during an evacuation. In addition, during an evacuation of a camp, it is critical that the individual camping contact the families of all campers to notify them.

Town	Camp Name	Address	Contact Information	Average Number of Attendees	Targeted Age Groups	Program Dates
Chicopee	The Arbors Camp	999 Memorial Drive	413-593-6311	155 per week	-	-
East Longmeadow	Pioneer Gymnastics	45 Maple Street	413-525-1291	40	-	Year round
Hampden	Pantuosco Soccer Camp	18 Greenleaf Drive	413-525-8749	40-100	-	-
Holland	Camp Mishnoah	162 Brimfield Rd	413-245-3455	60	-	8 weeks
Holyoke	Camp Brooks	171 Pine St.	413-534-5631 Matt (director)	80-100 per week	-	Jun 25- Aug 24
Holyoke	Boys & Girls Club of Holyoke	70 Nickie Cosmos Way	413-534-7366	150 per week	-	All summer
Holyoke	Girls Incorporated	52 Nickie Cosmos Way	413-538-7142	53 per week	-	July – August
Holyoke	Salvation Army Summer Youth Prog.	271 Appleton Street	413-532-6312	100	-	July
Longmeadow	Adventure & Discovery	735 Longmeadow Street	413-565-4160	20 per session	-	-
Longmeadow	Pantuosco Soccer Camp	735 Longmeadow Street	Joe Pantuosco, 413-525-8749	30 per session	-	-
Longmeadow	Bay Path College-Preschool Camp	588 Longmeadow Street	-	-	Pre-school	-
Longmeadow	Yeshiva Academy Camp Gan Israel	1148 Converse Street	413-567-8665	50	-	-
Palmer	Camp Stanica	22 Paul Street	-	-	-	-
Palmer	Camp Ramah in New England	39 Bennett Street	413-283-9771	700	-	Summer
Springfield	The Arbors Camp	200 Birnie Ave	413-734-6300	13-22 per week	-	June – August
Springfield	Camp Wilder	275 Chestnut Street	-	-	-	-
Springfield	Summer in the Park YMCA	275 Chestnut Street	-	-	-	-
Springfield	Springfield Boys Club	481 Carew Street	413-732-7201	120 per week	-	June 25 – Aug 17
Springfield	Camp Seco	200 Trafton Road	-	-	-	-
Springfield	All Star Field Hockey	263 Alden Street	-	-	-	-
Springfield	Camp Massasoit	263 Alden Street	413-748-5287, Kathy Smith, Director of Programs	170 per week	-	-
Springfield	Springfield Basketball Camp	263 Alden Street	413-748-5287 Kathy Smith, Director of Programs	-	-	-
Springfield	Springfield College Dearing Volleyball	263 Alden Street	-	-	-	-

Town	Camp Name	Address	Contact Information	Average Number of Attendees	Targeted Age Groups	Program Dates
Springfield	Jewish Community Cen. Day Camp	1160 Dickinson Street	413-739-4715	250-300	-	-
Springfield	Pantuosco Soccer Camp	260 Surrey Road	-	-	-	-
Springfield	Western New England College Wrestling	1215 Wilbraham Rd	-	-	-	-
Springfield	Kid Stuff - Summer Camp Program	1506 Allen Street	413-782-0057	5-15 per day	-	June – Aug 3
Tolland	Timber Trails	1266 East Otis Road	413-258-4592	200	-	-
Tolland	Camp Kinderland	1543 Colebrook River Road	413-258-4463	200	-	-
Westfield	The Dan Kane Singers	350 Southampton Road	413-568-8036	160	-	July 2 – July 13
Wilbraham	Soccer City Total Soccer	2041 Boston Road	413-543-8554	28	-	-
Wilbraham	Interskate Kids Camp	2043 Boston Road	413-543-4664	20 per day	-	-
Wilbraham	English Language Detective Camp	2341 Boston Road	413-596-2425	20	-	-
Wilbraham	Spec Pond Adventure Prog.	2540 Boston Road	413-596-2816	65 max	-	-
Wilbraham	Camp Start-Up	423 Main Street	413-596-6811	30	-	-

Source: www.masscamps.com

Prisons/Correctional Facilities

There is 1 inmate facility in Hampden County. Evacuation of this facility will require additional care to ensure that inmates do not escape. Police enforcement and prison transportation services will need to be employed for this purpose.

Town	Facility	Cells	Address	Phone
Ludlow	Hampden County Jail	1100	627 Randall Road	413-547-8000

Source: http://www.equusdesign.com/Frame%20Set_files/justice_home.htm

Natural Features

The following are a list of natural features possibly relevant to evacuations in Hampden County. More information about these natural features can be found in the Hazard Mitigation Plans for the Pioneer Valley, accessible at:

http://www.pvpc.org/resources/landuse/mit-plans-2011/Regional_Plan_final_12_23_09.pdf

Floods

Flooding is an identified problem in several areas. In Hampden County, the 100 and 500 year flood areas are centered on the Connecticut River.

The probability of a 100-year flood is 1-percent chance of occurring in any given year. The probability of a 500-year flood is 0.2 percent chance of occurring in any given year.

Both levels of flooding would result in widespread flooding in Hampden County and affect residences and businesses. In addition, the flooding would result in roadway closures in the region and impact any potential necessary evacuations.

The primary community identified in Hampden County as being affected by the 100-year flood is Westfield, specifically along the commercial and industrial areas along Route 20 and Union Street. The CSX rail line through Westfield could also be flooded at its lowest points. During a 500-year flood, downtown Westfield, as well as Routes 10, 20, and 202 could also be closed. In both flooding events, the Westfield River would be the cause.

Ramps for Interstate-91 are at a low elevation near downtown Springfield and could potentially flood during a 100-year or 500-year storm.

Bodies of Water

Connecticut River

Westfield River

Critical Infrastructure

The following sections identify hazards associated with critical infrastructure during an evacuation.

Critical infrastructure of the water and energy sectors is currently being studied through a project called the Fusion Center, funded by the Western Massachusetts Homeland Security Advisory Council. The project is examining vulnerabilities that exist to critical infrastructure in the region and which effect emergency response efforts. The purpose of this project is to improve emergency planning in the region by identifying vulnerabilities and making recommendations on how to make facilities safer and more secure.

Bridges with Restrictions or Closures

All bridges with a span greater than 20 feet throughout the state undergo routine structural inspection. Using a rating system developed by the American Association of State Highway and Transportation Officials (AASHTO), MassDOT has surveyed and rated the state’s bridges.

The MassDOT process identifies bridges that are structurally deficient and functionally obsolete. Bridges that are closed or have weight restrictions are listed below.

Caution should be used for the transport of trucks and other heavy vehicles on restricted bridges.

Closed Bridges in Hampden County

Town	Road	Crosses Over
Brimfield	King’s Bridge	Quaboag River
Chester	Sanderson Brook Rd	Sanderson Brook
Chicopee	Route 116	Connecticut River and PVRTT Railroad
Monson	Bunyan Rd	Chicopee Brook
Monson	Hospital Rd	Quaboag Stream
Palmer	US 20 Brimfield Rd	CSX Railroad
Palmer	US 20 Brimfield Rd	Route 67 - Boston Rd
West Springfield	Prospect Ave	PVRTT Railroad
Westfield	Pochassic St	PVRTT Railroad and Access Rd
Westfield	US 202 /Route 10 / Elm St	Westfield River

Bridges with Weight Restrictions in Hampden County

Town	Road	Crosses Over
Blandford	Beech Hill Rd	Pond Brook
Blandford	Blair Rd	Wheeler Brook
Brimfield	Washington Rd	Blodgett Mill Brook
Brimfield	Dnhn Palmer Rd	Bottle Brook
Brimfield	Washington Rd	Bottle Brook
Chester	Chester Hill	Cook Brook
Chester	George Miller Rd	Westfield River
Chester	Blandford Rd	Walker Brook
Chicopee	Route 116 / Springfield St	Chicopee River
Granville	Sodom St	Dickinson Brook
Granville	Main Rd	Dickinson Brook
Hampden	Stafford Rd	Scantic River
Hampden	Mill Rd	Scantic River
Hampden	Scantic Rd	Temple Brook
Holland	Alexander Rd	Quinebaug River
Holyoke	US 202 / Beech St	BMRR Railroad
Holyoke	Route 141 / Appleton St	First Level Canal
Holyoke	Lyman St	First Level Canal
Holyoke	Route 141 / Appleton St	Second Level Canal
Holyoke	Cabot St	Second Level Canal
Holyoke	Sargeant St	Second Level Canal
Holyoke	Appleton St	Third Level Canal
Monson	Stafford Hlw	NECRR Railroad
Monson	Cushman St	Chicopee Brook
Monson	Hampden Ave	Chicopee Brook
Monson	Old Wales Rd	Conant Brook
Monson	State Ave	Quaboag River
Monson	Dickenson Rd	Twelvemile Brook
Palmer	Church St	Ware River Canal
Palmer	E Main St	Ware River Canal
Russell	Old Westfield	Bradley Brook
Russell	Valley View	Westfield River
Southwick	US 202 / Route 10 / College	Johnson Brook
Southwick	N Loomis St	Munn Brook
Springfield	Chestnut St	I 291 Connector
Springfield	St James Ave	Conrail Railroad (Abandoned)
Springfield	Roosevelt Av	CSX Railroad
Springfield	Roosevelt Av	CSX Railroad
Westfield	Lockhouse Rd	PVRR Railroad
Westfield	US 202	Little River
Westfield	Pochassic Rd	Moose Meadow Brook

Culverts

Culverts are any sewer or drain crossing under a road or embankment that is less than 20 feet. More information on identified problem culverts can be found in the Hazard Mitigation plans for individual towns in western Massachusetts. A project to assess strengths and weaknesses in critical infrastructure in specific towns in western Massachusetts is currently being conducted by the Western Region Homeland Security Advisory Council.

Dams

According to the Office of Dam Safety:

Poor condition indicates a dam with major structural, operational, maintenance and flood routing capability deficiencies...Unsafe condition indicates a dam whose condition, as determined by the Commissioner, is such that a high risk of failure exists.

Among the deficiencies which would result in this determination are:

- Excessive seepage or piping
- Significant erosion problems
- Inadequate spillway capacity and/or condition of outlet(s)
- Serious structural deficiencies including movement of the structure or major cracking

There are 14 dams in Hampden County in poor or unsafe condition, as found by the state Office of Dam Safety.

Dams in Poor and Unsafe Condition

Town	Dam Name	Last Inspection	Condition
Agawam	Nine Lot Dam	2008	Poor
Chicopee	Mountain Lake Dam	-	Unsafe
Granville	Bahre Pond Dam	-	Poor
Holyoke	Clear Pond Dam	8/14/09	Poor
Monson	Pulpit Rock Pond New Dam	2/10/00	Poor
Southwick	Hathaway & Steane Pond Dam 2	12/1/02	Poor
Springfield	Van Horn Park Lower Dam	4/10/09	Poor
Springfield	Forest Park Upper Pond Dam	12/21/06	Poor
Springfield	Monsanto Chemical Co. Upper Dam	12/01/06	Poor
Springfield	Putnam's Puddle Dam	8/26/88	Poor
Springfield	Van Horn Park Upper Dam	7/7/09	Poor
Wales	Vinica Pond Dam	7/1/09	Poor
Wales	Norcross Pond Dam #2	7/1/09	Poor
West Springfield	Strathmore Paper Dam	12/1/01	Poor

Source: Pioneer Valley Planning Commission Regional Transportation Plan 2012

Power Plants

There are 16 power plants located in Hampden County.

The majority of the county's electricity needs come from external sources, both within the region and state. Information on these power plants can be found in other chapters of this plan.

Town	Power Plant	Address	Contact Information
Agawam	Berkshire Power Project	36 Moylan Lane	413-789-0075
Chicopee	Chicopee Municipal Light Plant	725 Front Street	413-598-8311
Chicopee	Browning Ferris Gas Services	855 Burnett Road	413-737-9396
Chicopee	Consolidated Edison Energy-Dwight Hydro	Front St	-
Holyoke	Holyoke Water Power Mount Tom Station	200 Northampton Street	413-536-9521
Holyoke	Holyoke Gas & Electric Riverside Station	30 Water St	413-536-9425
Holyoke	Holyoke Gas & Electric Boatlock Station	Gatehouse Rd	-
Holyoke	Holyoke Gas & Electric Hadley Falls Station	Tailrace Rd	-
Holyoke	Holyoke Gas & Electric Chemical	South Canal St	-
Ludlow	Mass Municipal Wholesale Electric Co	327 Moody St	413-589-0801
Ludlow	Consolidated Edison Energy-Putts Bridge	Center St	-
Springfield	Masspower Inc	750 Worcester Street	413-731-6611
Springfield	Consolidated Edison Energy-Indian Orchard	Front St	-
West Springfield	Consolidated Edison Energy Inc	15 Agawam Ave	413-730-4745
Westfield	Northeast Utilities Cobble Mountain	Old Granville Rd	-
Wilbraham	Consolidated Edison Energy-Red Bridge St	Red Bridge Rd	-

Major Roads

State Highways

Name	Towns	Bridges with Restrictions
Interstate 291	Springfield Chicopee	-
Interstate 391	Chicopee Holyoke	-
Interstate 90	Blandford Westfield West Springfield Chicopee Ludlow Palmer	-
Interstate 91	Longmeadow Springfield Chicopee West Springfield Holyoke	-
Route 10	Southwick Westfield	Southwick, over Johnson Brook Westfield, over Westfield River
Route 116	Springfield Chicopee Holyoke	Chicopee, over Chicopee River
Route 141	Springfield Chicopee Holyoke Easthampton	Holyoke, First and Second Level Canal
Route 147	Agawam West Springfield Springfield	-
Route 181	Palmer	-
Route 20	Russell Westfield West Springfield Springfield Palmer Brimfield	Brimfield, over Bottle Brook Palmer, over Ware River Canal Palmer, over Route 67 Boston Rd Palmer, over CSX Railroad
Route 202	Southwick Westfield Holyoke	Southwick, over Johnson Brook Holyoke, BMRR Railroad Southwick, over Johnson Brook Westfield, over Little River
Route 21	Springfield Ludlow	-
Route 23	Russell	-
New England Route 32	Monson Palmer	Monson, over NECRR Railroad
Route 33	Chicopee	-
Route 5	Longmeadow Springfield Agawam West Springfield Holyoke	-
Route 57	Granville Southwick Agawam	Granville, over Dickinson Brook
Route 83	East Longmeadow Springfield	-

Traffic Congestion and Identified Bottlenecks

The Federal Highway Administration (FHWA) defines a congestion bottleneck as “A localized section of highway that experiences reduced speeds and inherent delays due to a recurring operational influence or a nonrecurring impacting event”. If congestion occurs along an entire corridor, then the corridor is considered congested. Likewise, if the corridor is experiencing congestion only at a specific location, then the corridor is considered a congestion bottleneck.

Traffic Bottlenecks

Town	Location
Agawam	Main Street / Springfield Street at Suffield Street and Walnut Street intersections
Agawam	North Westfield Street / South Westfield Street at the intersection of Springfield Street and Southwick Street
Chicopee	Main and East Main at Broadway and Bridge
Chicopee	I-291 from Exit 5 to Fuller Road at Exit 6, and Fuller Road at I-291 – Northbound and Southbound Ramps
Chicopee	McKinstry Avenue at Grattan Street
East Longmeadow	East Longmeadow Rotary
Longmeadow	Laurel Street at Converse Street and Forest Glen Road
Longmeadow	Longmeadow Street from Converse to Springfield Line
Springfield	St. James Avenue between Carew St. and St. James Boulevard
Springfield	East Columbus Avenue intersections at Long Hill Street and Mill Street
Springfield	Main Street and Liberty Street
Springfield	East Columbia Avenue intersections at State Street and Bolands Way
Springfield	Allen Street and Cooley Street
Ware	Main Street (Route 9/32) at Church Street and South Street
Westfield	Elm Street and Main Street from Great River Bridge to Nobel Street

Source: Pioneer Valley Planning Commission

Transportation Options

There are a variety of transportation options available for moving people during a mass evacuation. These resources will be essential for assisting people who do not have access to their own private transportation options, including seniors, college students, boarding high school students, and people who do not own cars and normally rely on mass transportation.

The following transportation companies and organized should be contacted to determine the options they can provide during an evacuation.

School Busses

Town	Company	Location	Contact Information	Fleet Information
Westfield	Westfield School Buses	2 Clifton Street	413-572-9999	Lecrenski Brothers
Springfield	Springfield School Buses	767 Cottage Street	413-205-2833	First Student Inc

Pioneer Valley Transit Authority Busses

Town	Company	Location	Contact Information	Fleet Information
Springfield	Springfield Area Transit Company	2808 Main Street	413-781-7882	Public, para-transit carrier

Para Transit Busses

Town	Company	Location	Contact Information	Fleet Information
Chicopee	Hulmes Transportation	80 1st Avenue	80 1 st Avenue	413-592-3506

Commercial Busing Companies

Town	Company	Location	Contact Information	Fleet Information
Springfield	Greyhound	1776 Main Street	800-237-8747	Private carrier
Springfield	Peter Pan	1776 Main Street	413-781-3320	Private carrier

Passenger Rail

Town	Company	Location	Contact Information
Springfield	Amtrak	66 Lyman Street	800-872-7245

Scenarios that May Impact the County

College Graduations

The numerous colleges and universities in Hampshire County all have graduations during the middle of May. During these events, there are a large number of out of town visitors in the county, specifically concentrated in Northampton, Hadley and Amherst. The majority of these visitors have cars. However, during an impact they will have an impact on transportation infrastructure's capacity. Colleges with large commuting populations will not have as significant an impact on an evacuation scenario, since distance traveled for these students and their families is likely much shorter. Because of this, it is difficult to determine an estimate of the number of graduates attending.

Institution	Location of Graduation Ceremony	Approximate Number of Graduates	Approximate Date
College of Our Lady of the Elms	Chicopee	350	Mid-May
Holyoke Community College	Holyoke	-	Mid-May
Bay Path College	Longmeadow	520	Mid-May
American International College	Springfield	900	Mid-May
Springfield College	Springfield	1300	Mid-May
Springfield Technical Community College	Springfield	-	Mid-May
Western New England University	Springfield	900	Mid-May
Westfield State University	Westfield	1500	Mid-May

The Big E

The Big E, which takes place at the fairgrounds adjacent to Memorial Drive in West Springfield, attracts over 100,000 people per day. The 17-day event runs from mid to late September. Plans for severe weather at the Big E involve transferring people into indoor areas on the fairgrounds. During an emergency necessitating removal of fairgoers from the fairgrounds, the event's vehicle stock would be used. Procedures for evacuating animals from the fairgrounds can be found at: <http://www.thebige.com/fair/agriculture/documents/08agevacuationplan.pdf>.

Brimfield Antique Show

The Brimfield Antique Show is held at multiple times of the year along both sides of Route 20 in Brimfield. The event includes dozens of vendors, with most opening each day at 6:00 a.m. and close at approximately 6:00 p.m. The event often attracts over 100,000 people and during the event travel along Route 20 is severely limited. The event is held in May, July and September, each time for a 6-day period. Information on specific dates can be found at www.brimfieldshow.com.

Westover Air Show

The airshow, which attracts several 100,000 people, is held during the summer at Westover Air Reserve Base in Chicopee and Ludlow. The event is held semi-annually and is usually 2 days in length, with the last two events taking place in 2008 and 2012.

Events at MassMutual Center

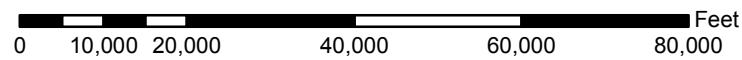
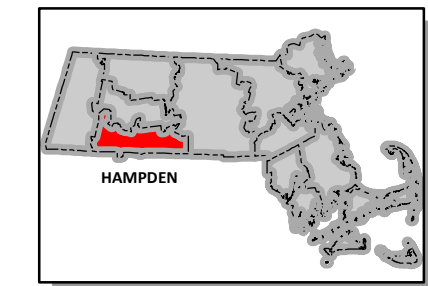
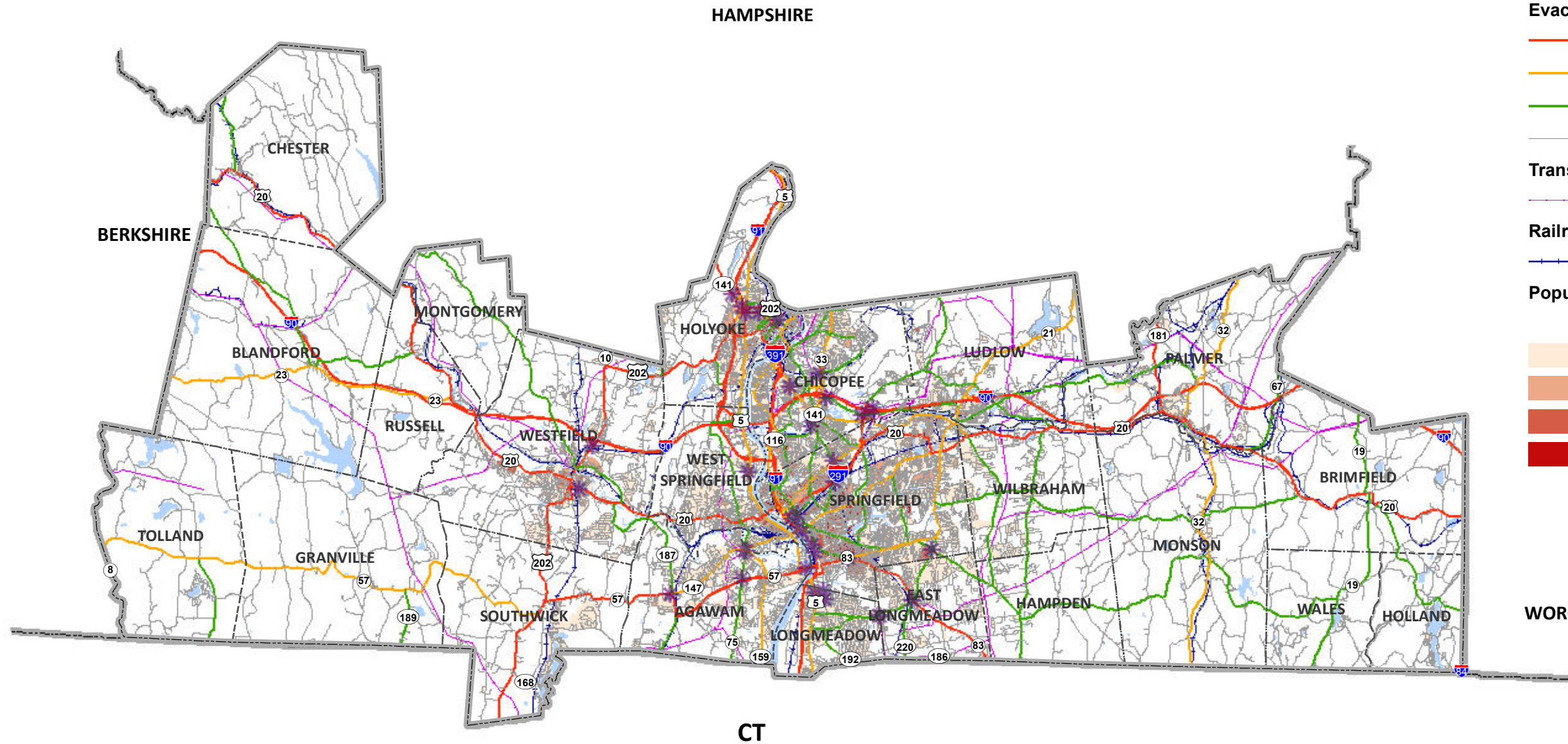
The MassMutual Center, located at 1277 Main Street in Springfield is a multi-purpose arena that holds a wide variety of events throughout the year, including basketball, hockey, and music concerts. The facility is home to the Springfield Falcons minor league hockey team, which plays during the fall and winter, and Springfield Armor minor league basketball team, which plays during the winter and spring. The facility's capacity is approximately 6,500 for hockey games, 7,500 for basketball games, and 8,500 for concerts. A full list of events can be found on the facility's website at www.massmutualcenter.com.

HAMPDEN COUNTY POPULATION DENSITY

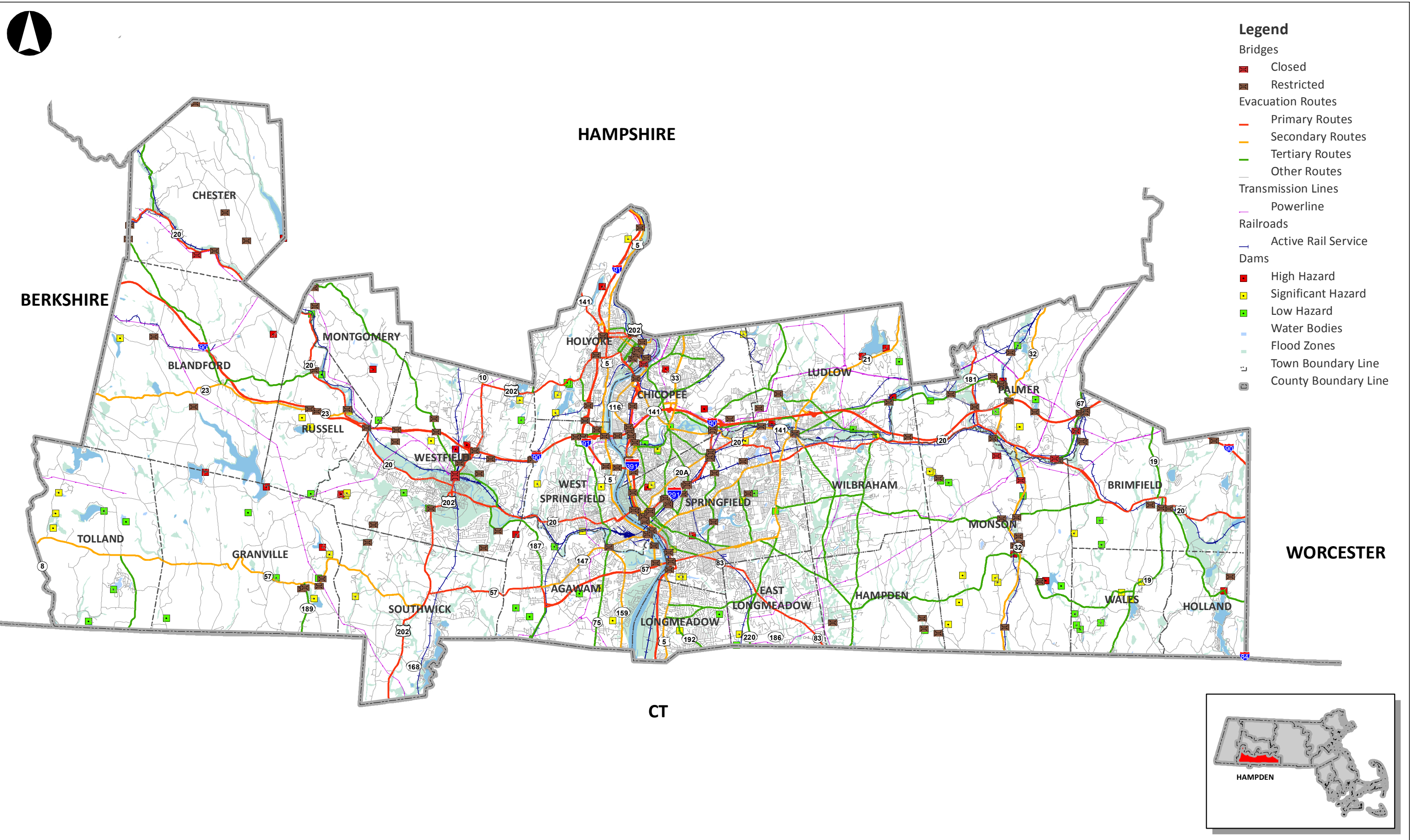


Legend

- Water Bodies
- Bottlenecks
- County Boundary Line
- Town Boundary Line
- Evacuation Routes**
- Primary Routes
- Secondary Routes
- Tertiary Routes
- Other Routes
- Transmission Lines**
- Powerline
- Railroads**
- Active Rail Service
- Population Density**
- < 1 person/acre
- 1-2 person/acre
- 3-5 person/acre
- 6-10 person/acre
- >10 person/acre



HAMPDEN COUNTY WATER HAZARD



HAMPSHIRE COUNTY RESOURCES

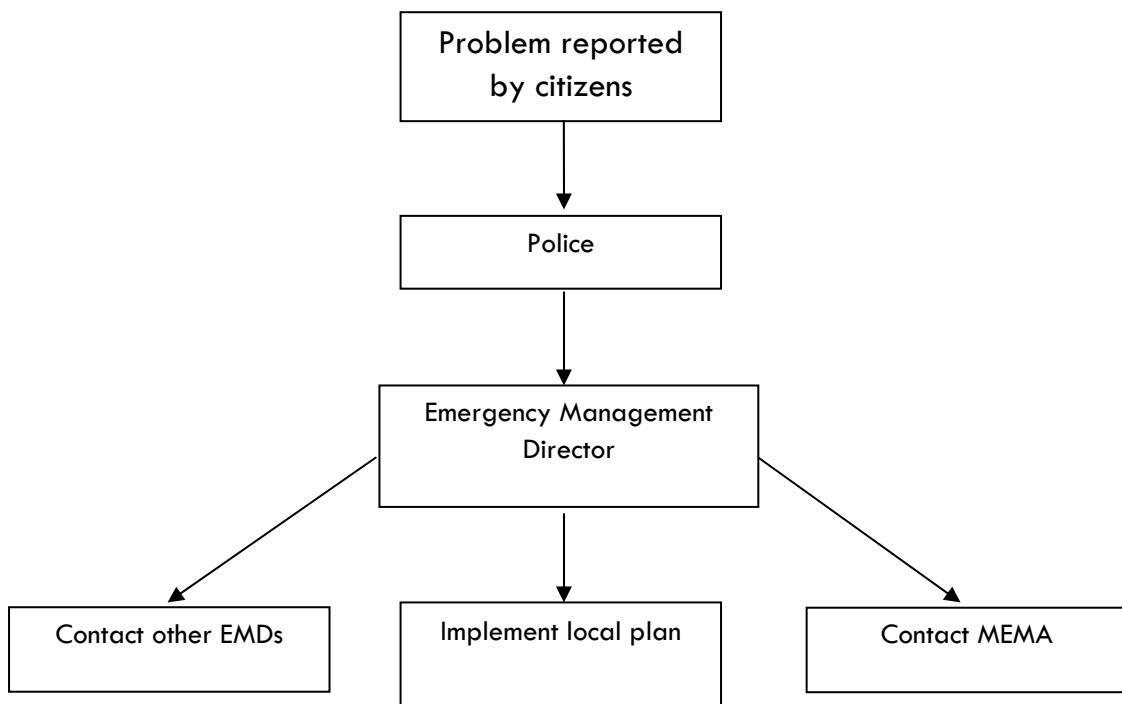
Initiating the Evacuation

Chain of Command

If the emergency is declared by MEMA or FEMA, the procedure for chain of command will follow a top-down approach. In this case, MEMA will be responsible for contacting individual EMDs, who will then take the necessary steps to respond to the disaster in their respective communities.

If the disaster or emergency situation is reported by a local community or citizen, the chain of command will follow a bottom-up reporting approach. In this case, the following flow chart describes the contact procedures that will be followed.

1. Problem is reported by citizen to police
2. Police take necessary initial steps in response to disaster and contact emergency management director
3. Emergency management director takes necessary steps and contacts EMDs in surrounding towns, implements local emergency plan, and contacts MEMA



Municipal Contact Information

Towns	EMD Contact	EMD Phone	Police Contact	Police Phone	Fire Contact	Fire Phone
Amherst	Tim Nelson	fire@amherstma.gov 413-259-3082	Scott P Livingstone	police@amherstma.gov 413-259-3014	Tim Nelson	fire@amherstma.gov 413-259-3082
Belchertown	Edward Bock	413-323-7571	Francis Fox	wpanto@belchertown.org 413-323-6685	Edward Bock	tbock@belchertown.org 413-323-7571
Chesterfield	Lawrence W. Holmberg	Lholmberg@the-spa.com; 413-529-1700 – days; 413-296-4247 – nights & weekends 413-634-5458, 413-634-0333 (home #)	Gary W. Wickland	413-296-4353	David A. Hewes	413 296-4049
Cummington	Bernard L. Forgea	dmottor@easthampton.org 413-527-1212	Dennis Forgea	413-634-0056	Bernard L. Forgea	413-634-5458
Easthampton	David Mottor	emd_chesterfiel@hotmail.com 508-304-2585 413-296-4525	Bruce McMahan	bcmahon@easthampton.org 413-527-1212	David Mottor	dmottor@easthampton.org 413-527-1212
Goshen	Larry Holmberg	413-582-7466	Jeff Hewes	GoshenPDNews@aol.com 413-268-3116	Sue Labrie	gfd56x1@msn.com 413-268-7161
Granby	Jeff McPhearson	413-582-7466	Alan Wishart	413 467-2911	Russell Anderson	413-467-9696
Hadley	Michael Spanknebel	413-584-0874	Dennis J. Hukowicz	413-582-9053	James Kicza	413-584-0874
Hatfield	Cindy Doty	emd@townofhatfield.org 413-247-0480	Thomas J. Osley	hpd@hatfieldpolice.com 413-586-1508	William A. Belden	wbelden@townofhatfield.org 413-247-0480
Huntington	Melissa Nazzaro	413-667-3500	Robert Garriepy	413-667-8868	Gary Dahill	413-667-3368
Middlefield	Noreen Suriner	413-623-2079	Thomas Austin	413-623-8847	Larry Pease	413-623-5072
Northampton	Brian Duggan	413-587-1032	Russell Sienkiewicz	413-587-1100	Brian Duggan	413-587-1032
Pelham	Gary Thomann	413-253-0484	Gary Thomann	413-253-0484	Raymond A. Murphy	413-253-3311
Plainfield	Dennis Thatcher	413-634-5582	Edward Morann	413-634-0139	Dennis Thatcher	413-634-5582
South Hadley	Forrest D. Price, Jr.	fprice@shadleyma.org 413-335-8567	David J. LaBrie	41 Bridge Street	Robert Authier; David Keefe	chiefauthier@shdistrict1.org 413-532-5343 413-534-5803
Southampton	Edward Cauley	413-527-3666;	David Silvernail	413-527-1120	Stephen Hyde	413-527-1700
Ware	Gary Hoskin, Director Stanley Mettig, Co-Director	413-967-5661 413-967-5661	Dennis M. Healey	413-967-3571	Thomas Coulombe	413-967-5901
Westhampton	Christopher Norris	413-529-7181	David White	donald.lawton@williamsburgfire.com 413-268-7233	Christopher Norris	413-529-7181
Williamsburg	Denise Banister	413-268-7251	Denise Wickland	413-268-7237	Donald Lawton	donald.lawton@williamsburgfire.com 413-268-7233
Worthington	Kathy Baker	413-238-5577 (town hall)	Jeffrey Johnson	413-238-0400	Richard Granger	413-238-4445

Other Entities to Contact

Each town during an evacuation should be in contact with the towns neighboring it, to ensure that they are aware that an evacuation is occurring and that residents will be passing through those towns. Towns should identify the emergency management officials for this communication. Contact information can be found below.

Surrounding Municipalities

Town	County	EMD Contact	EMD Phone	Police Contact	Police Phone	Fire Contact	Fire Phone
Ashfield	Franklin	Doug Field	413-628-3343	Patrick Droney	413-628-4441	Del Haskins	413-628-0184
Becket	Berkshire	Timothy Sullivan	413-623-8934	Kristopher McDonough	413-623-6010	Ray Tarjick	413-623-6480
Blandford	Hampden	Tom Ackley: Chief, Brad Curry: Highway Superintendent	413-848-2479 (Tom Ackley) 413-848-2721 (Brad Curry)	Kevin M. Hennessey	chiefhennessey@townofblandford.com 413-442-0512	Tom Ackley	firechief@townofblandford.com 413-848-2479
Chester	Hampden	Richard Small	413-354-6558 413-354-6543 (home #) kritchott@chicopeema.gov	Dan Illicky	chesterpd@comcast.net 413-354-7822	Richard Small	chiefrichsmall@msn.com 413-354-6558
Chicopee	Hampden	Kenneth Ritchott	413-594-1508 413-625-8207 413-775-3188	John Ferraro	413-594-1700	Stephen S. Burkott	413-594-1630
Conway	Franklin	Rick Bean		Ken Ouimette	413-625-8200	Robert Baker	413-369-4755
Hardwick	Worcester	-	-	James Ayotte	413-477-6708	Raymond Walker	413-477-6706
Hawley	Franklin	Gregory Cox	413-339-5526	Stephen Deane	413-339-5518	Gregory Cox	413-339-4267
Holyoke	Hampden	John A. Pond	pondj@ci.holyoke.ma.us 413-534-2250	James M. Neiswanger	chiefofpolice@holyokepd.org 413-536-6431	Chief John A. Pond	pondj@ci.holyoke.ma.us 413-534-2250
Leverett	Franklin	Jim Field	413-545-5122	Gary Billings	413-548-4994	John Moruzzi	413-548-9225
Ludlow	Hampden	Mark H. Babineau	413-583-8332	James J. McGowan	413-583-8305	Mark H. Babineau	413-583-8332
Montgomery	Hampden	Daniel Flethsig	413-862-8095 (home #)	James Stevens	413-862-4545 (home #)	Stephen Frye	413-862-4505
New Braintree	Worcester	-	-	Bert DuVernay	508-867-2059	James Brown	508-867-9237
New Salem	Franklin	Thomas J. Reidy	978-544-6437	Joseph P. Camden	978-544-2141	Joseph J. Cuneo	978-544-3345
Palmer	Hampden	Donald Elliot, Jr.	townemd@townofpalmer.com 413-283-3861 x119	Chief Robert Frydryk	413-283-8792	Chief Alan Roy	413-283-3861 X112
Peru	Berkshire	Mark Hoag	413-655-0220	Scott Vega	413-655-8377	Eric Autenreith	413-655-8811
Petersham	Worcester	Lynne Shaw	978-724-0040	Denis N. Legare	978-724-3330	Dana Robinson	978-724-3371
Russell	Hampden	Thomas Mulligan	tmulligan@russellma.net 413-862-6209	Thomas Mulligan	tmulligan@russellma.net 413-862-6209	Michael Morrissey	chief@russellfire.org 413-862-6229
Savoy	Berkshire	Lawrence Ordyna	413-743-3846	Stephen Deane	413-743-0364	Lawrence Ordyna	413-743-9119
Shutesbury	Franklin	Walter Tibbetts	413-259-1211	Thomas E. Harding	413-259-1279	Walter Tibbetts	413-259-1211
Sunderland	Franklin	Robert T. Ahearn	413-665-2465	Jeffrey Gilbert	413-665-7036	Robert T. Ahearn	413-665-2465
Warren	Worcester	Timothy O'Brien	413-813-7110	Bruce D. Spiewakowski	413-436-9595	James Dolan	413-436-5444

Town	County	EMD Contact	EMD Phone	Police Contact	Police Phone	Fire Contact	Fire Phone
Washington	Berkshire	Paul Mikaniewicz	413-448-7320	Victor Breen	413-623-5111	Paul Mikaniewicz	413-655-2533
West Brookfield	Worcester	-	-	Thomas O'Donnell	508-867-1405	Robert Benson	508-867-1408
Westfield	Hampden	Jim Wiggs	j.wiggs@cityofwestfield.org 413-568-1222	John Camerota	j.camerota@cityofwestfield.org 413-562-5411	Chief Mary Regan	m.regan@cityofwestfield.org 413-562-2329
Whately	Franklin	Lynn Sibley	413-665-0054	James Sevigne, Jr.	413-665-0430	John S. Hannum	jshannum1@juno.com
Windsor	Berkshire	Peter Pyskaty	413-684-0300	Peter Pyskaty	413-684-0300	Michael Tirrell	413-684-0838

MassDOT District Offices

The following are the district contacts for MassDOT in western Massachusetts. These contacts are not involved in an emergency response unless specifically requested by a municipality or MEMA, and should be contacted during an evacuation.

Office	Address	Town	Phone
MassDOT District 1	270 Main St.	Lenox	413-637-5700
MassDOT District 2	811 North King St.	Northampton	413-582-0599

State Police Contact Info

Office	Address	Town	Phone
Mass State Police Barracks	555 North King St.	Northampton	413-587-5517

MEMA Contact Info

The following are the MEMA contacts for western Massachusetts.

Office	Address	Town	Phone
MEMA Region 3 & 4	1002 Suffield St.	Agawam	413-750-1400

Out of State

Because Hampshire County does not directly border other states, officials within Hampshire County should coordinate communication with emergency officials in other states through officials from other counties. For more information, see the Hampden, Berkshire, and Franklin County sections of this evacuation plan.

It is also important to contact other counties so that they are aware of what is going on. Because there is no county government in western Massachusetts, the contact information for these counties can be found below.

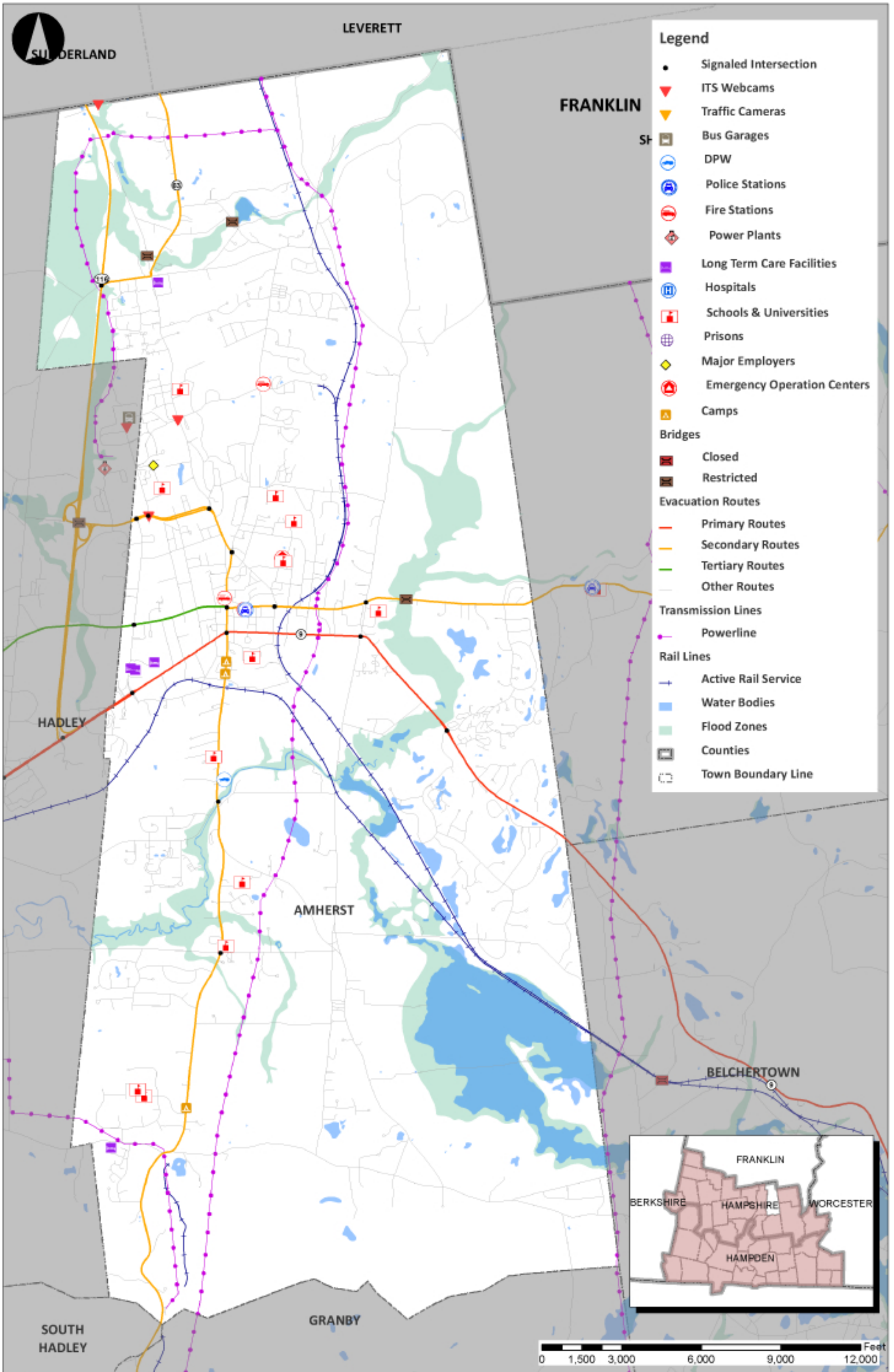
Municipal Evacuation Routes

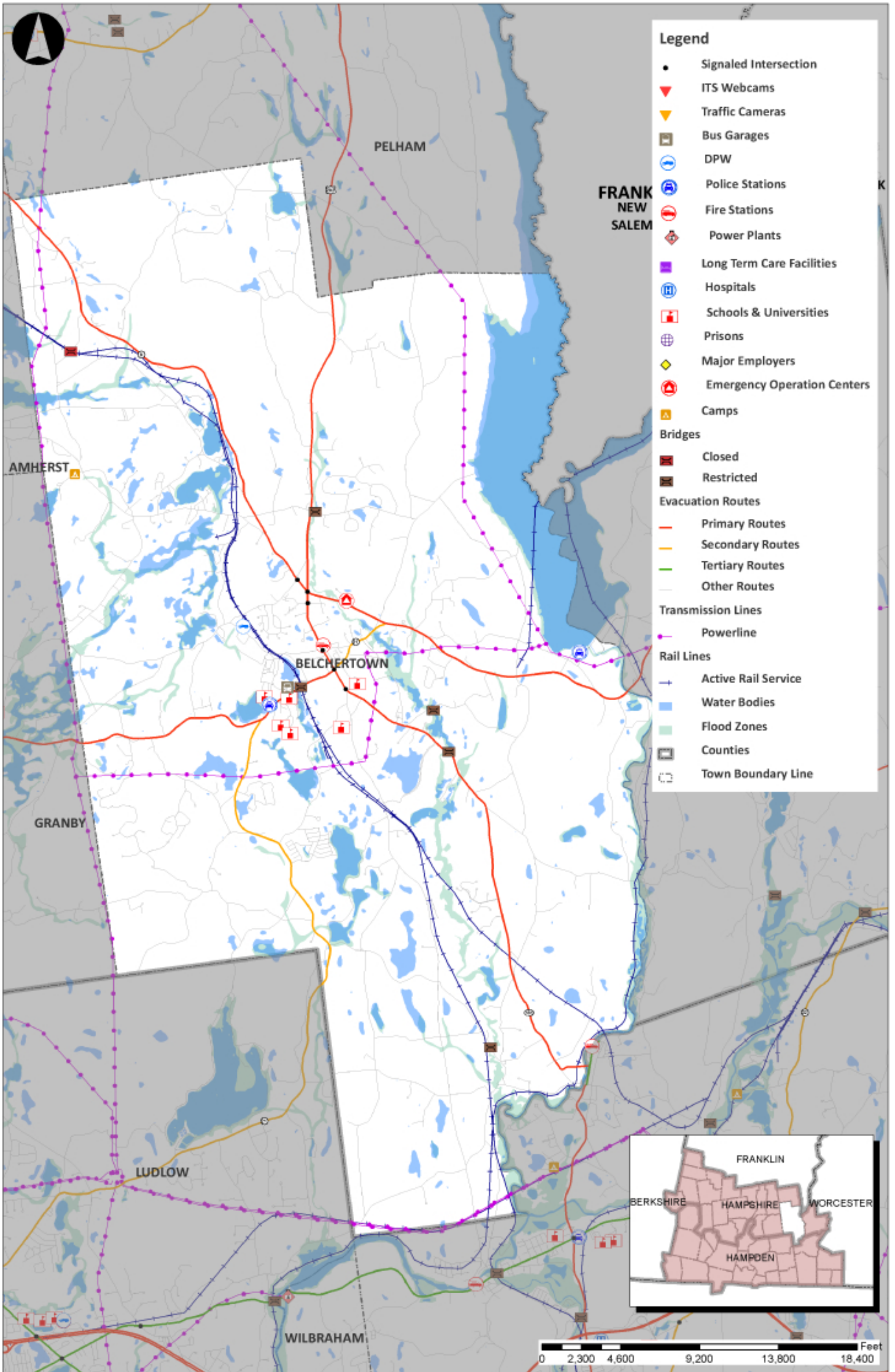
Evacuation routes for individual municipalities are described below.

Towns	Primary Evacuation Routes	Secondary Evacuation Routes	Tertiary Evacuation Routes
Amherst	Route 9	Main Street / Pelham Rd Route 116 Governor's Drive / Triangle St	Montague Rd Amity St
Belchertown	Route 9 Route 202 Route 181	Route 21 Jabish St	-
Chesterfield	-	Route 143	East St North Rd Damon Pond Rd Cummington Rd W Cummington Rd
Cummington	Route 9	Route 112	Plainfield Rd Fairgrounds Rd
Easthampton	Route 10	Main St East St	Loudville Rd
Goshen	Route 9	-	Route 112
Granby	Route 202	Amherst Rd West St	Amherst St West St East St Morgan St
Hadley	Route 9	Route 47 S Maple St Roosevelt St Massachusetts Ave Westgate Center Dr	Huntington Rd
Hatfield	Interstate 91	Route 5 Route 10	-
Huntington	Route 20	Route 112 Route 66	Main Rd
Middlefield	-	-	Main Rd
Northampton	Interstate 91 Route 9	Route 5 Route 10	-
Pelham	Route 202	Amherst Rd	-
Plainfield	-	Route 116	S Central St
South Hadley	Route 202	Route 33 Route 116 Route 47	Silver St
Southampton	-	Route 10	Rattle Hill Rd East St
Ware	Route 9	Route 32	-
Westhampton	-	-	-
Williamsburg	Route 9	Route 143	Mountain St
Worthington	-	Route 112 Route 143	-

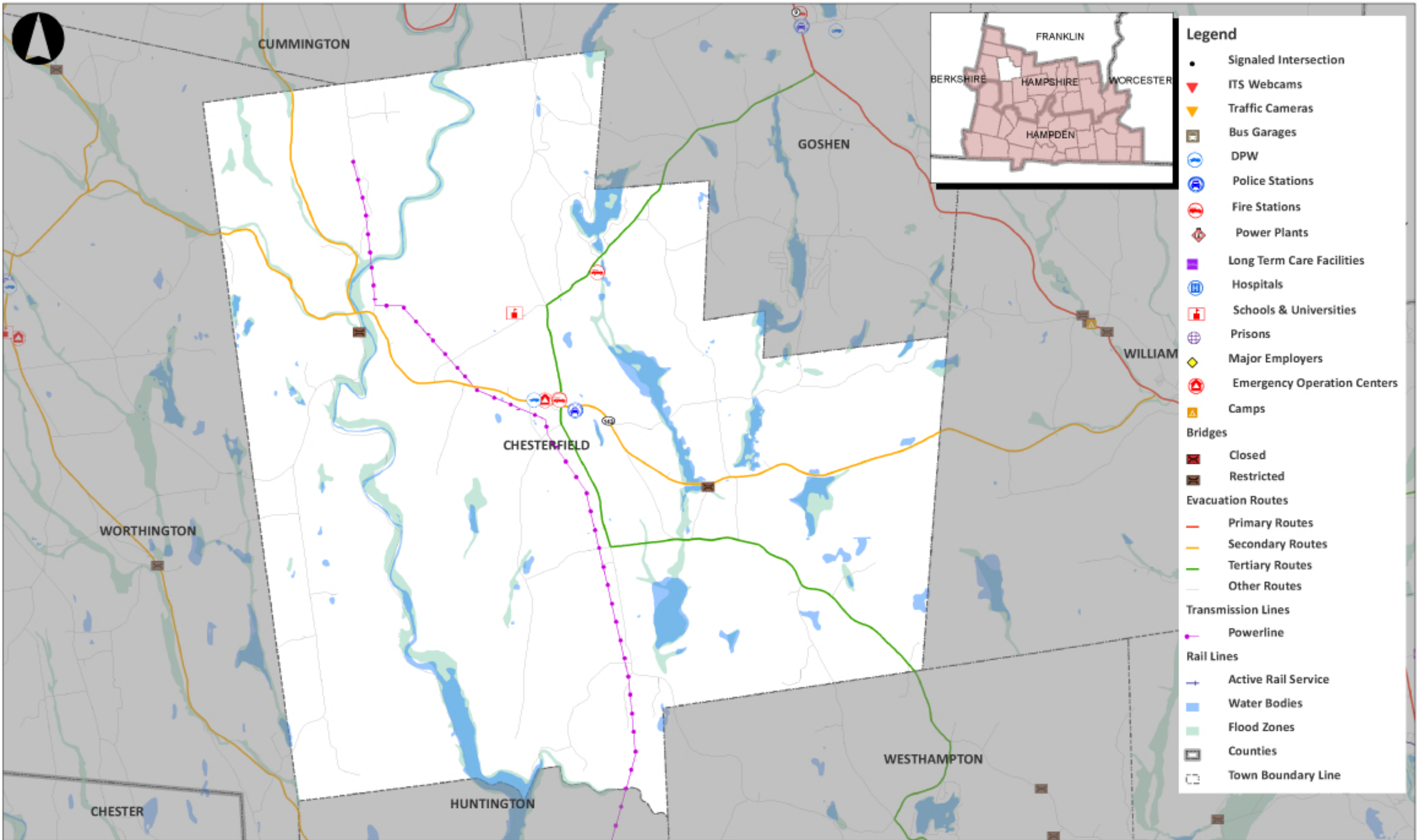
Evacuation routes were developed based on an analysis of the transportation network, considering factors such as capacity, congestion, and road destinations to develop a hierarchy of primary, secondary, and tertiary routes. Definitions of these routes are as follows:

- Primary – state designated highways that carry the largest capacity and provide the most direct route out of the region
- Secondary – main arterial roads through towns that carry traffic where primary routes do not exist or provide an alternate route to the primary route
- Tertiary – local main roads, used to channel traffic towards secondary and primary evacuation routes



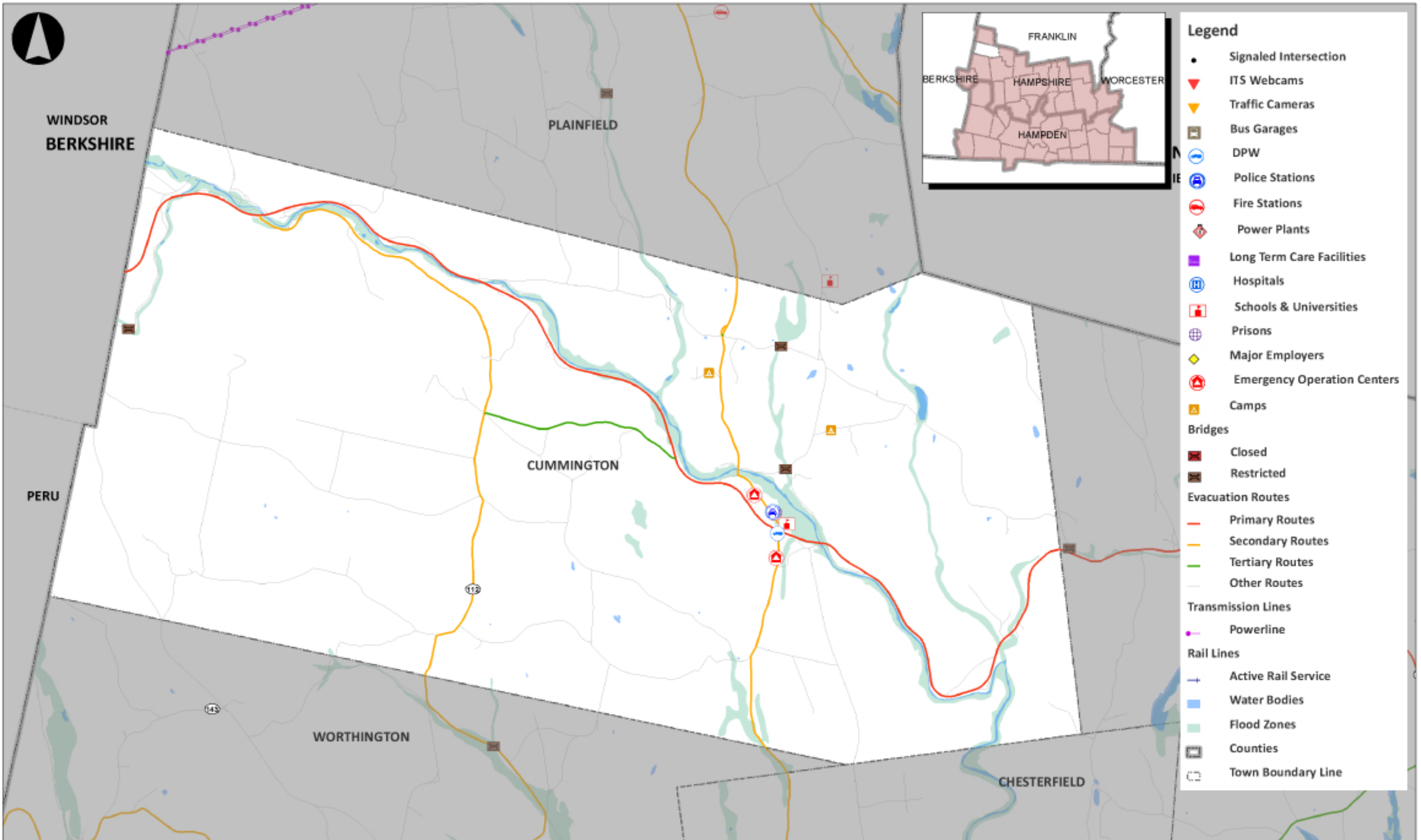


CHESTERFIELD



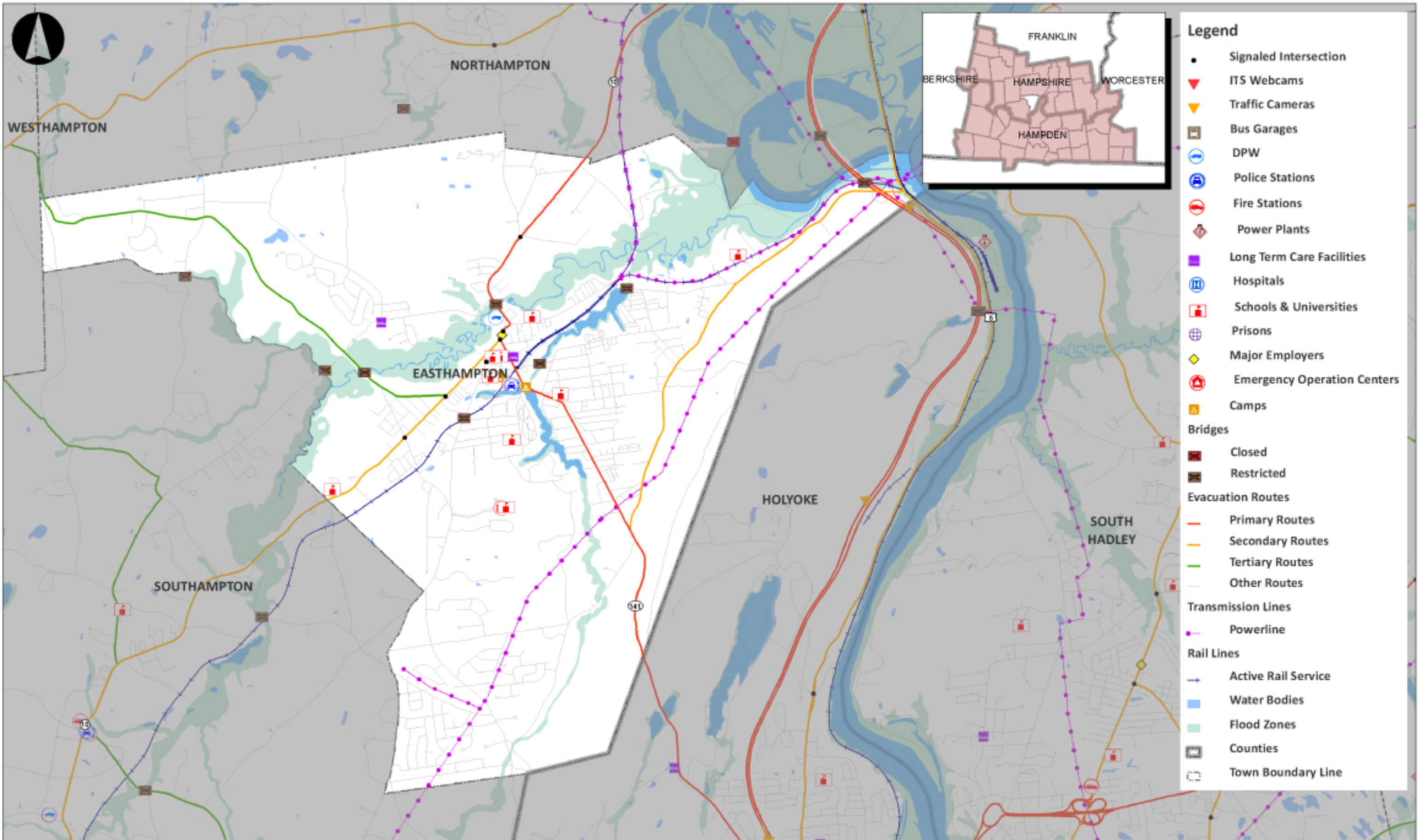
- Legend**
- Signaled Intersection
 - ▼ ITS Webcams
 - ▼ Traffic Cameras
 - Bus Garages
 - ⓘ DPW
 - Ⓜ Police Stations
 - Ⓜ Fire Stations
 - Ⓜ Power Plants
 - Ⓜ Long Term Care Facilities
 - Ⓜ Hospitals
 - Ⓜ Schools & Universities
 - Ⓜ Prisons
 - Ⓜ Major Employers
 - Ⓜ Emergency Operation Centers
 - Ⓜ Camps
 - Bridges**
 - Ⓜ Closed
 - Ⓜ Restricted
 - Evacuation Routes**
 - Primary Routes
 - Secondary Routes
 - Tertiary Routes
 - Other Routes
 - Transmission Lines**
 - Powerline
 - Rail Lines**
 - Active Rail Service
 - Water Bodies
 - Flood Zones
 - Counties
 - Ⓜ Town Boundary Line

CUMMINGTON



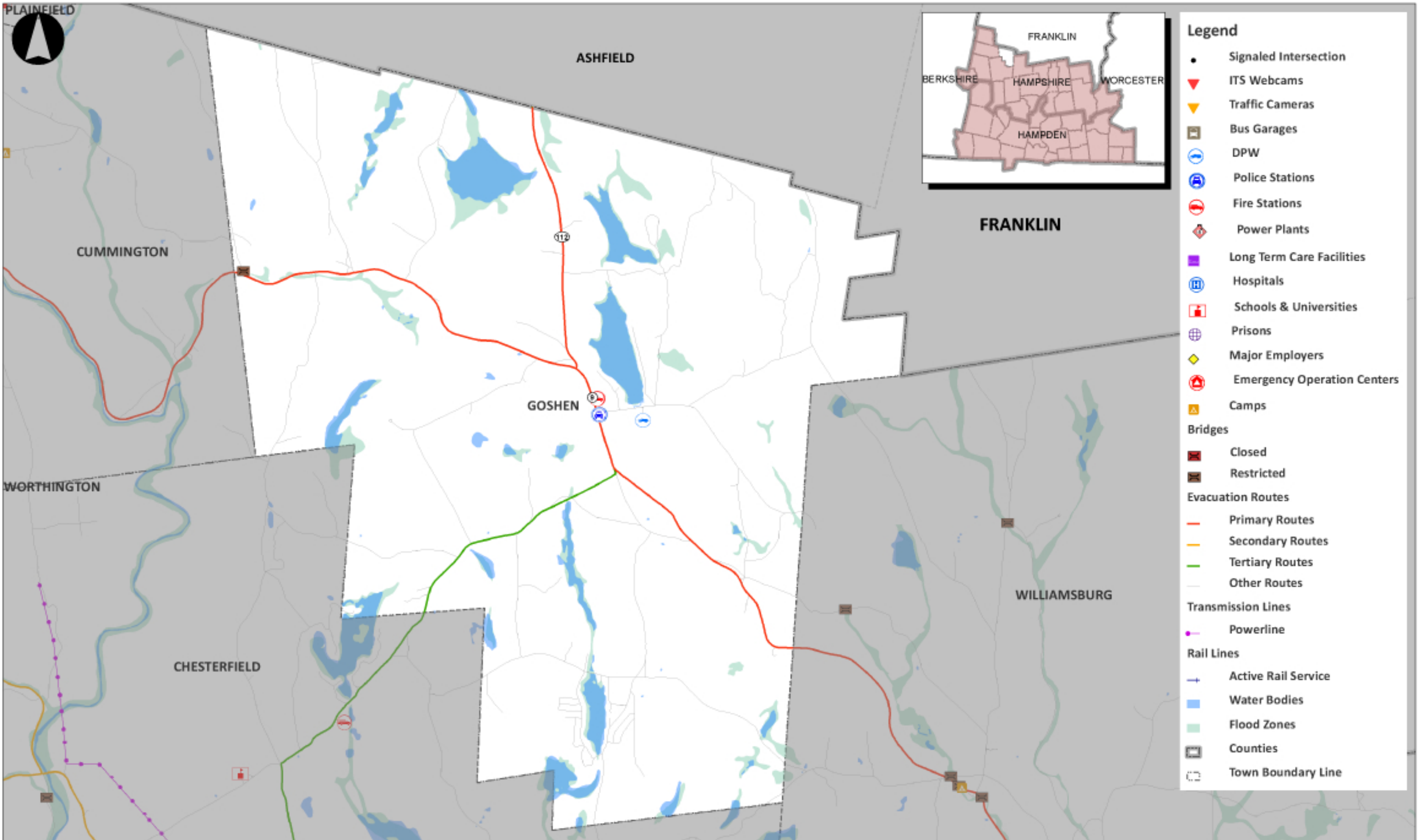
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EASTHAMPTON

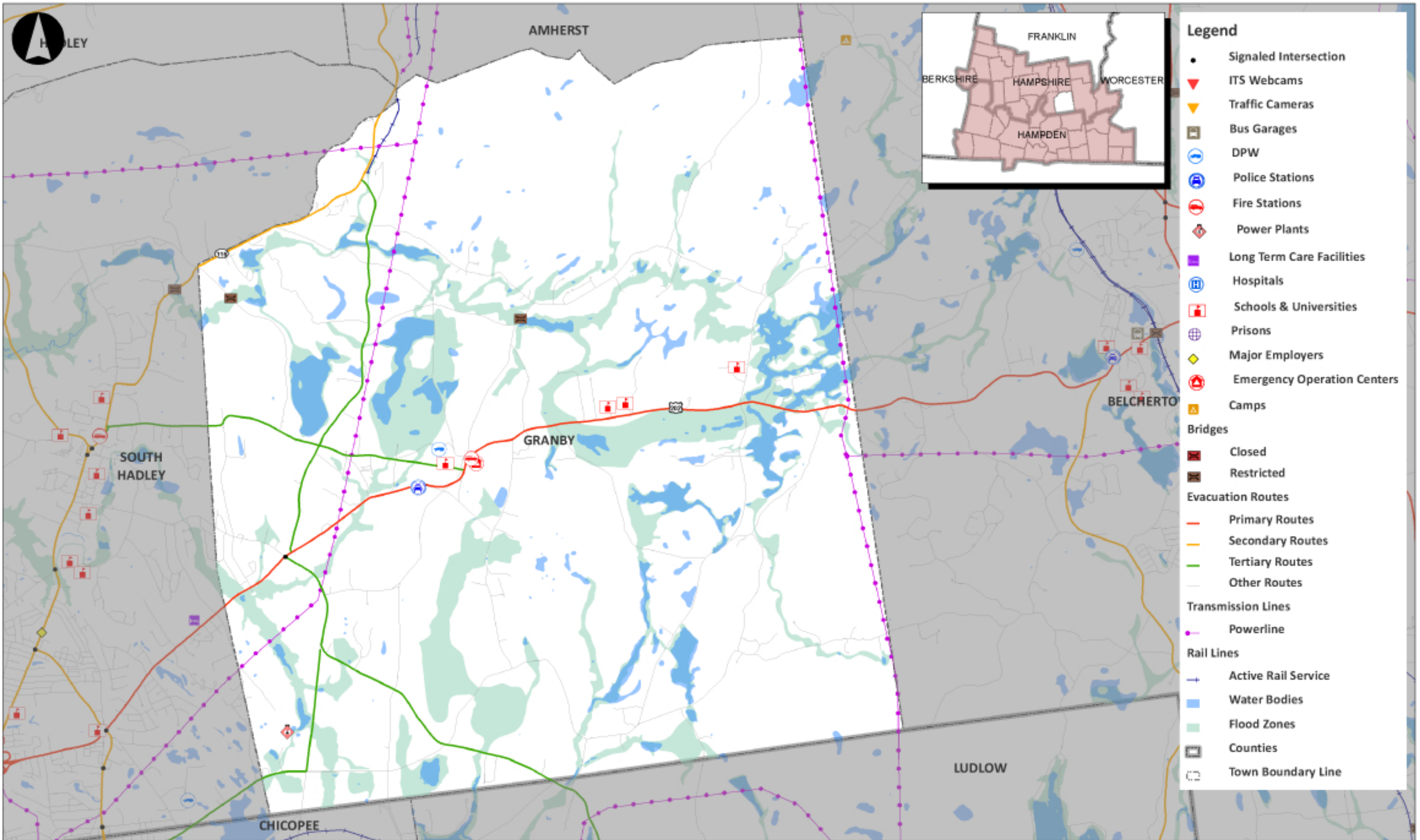


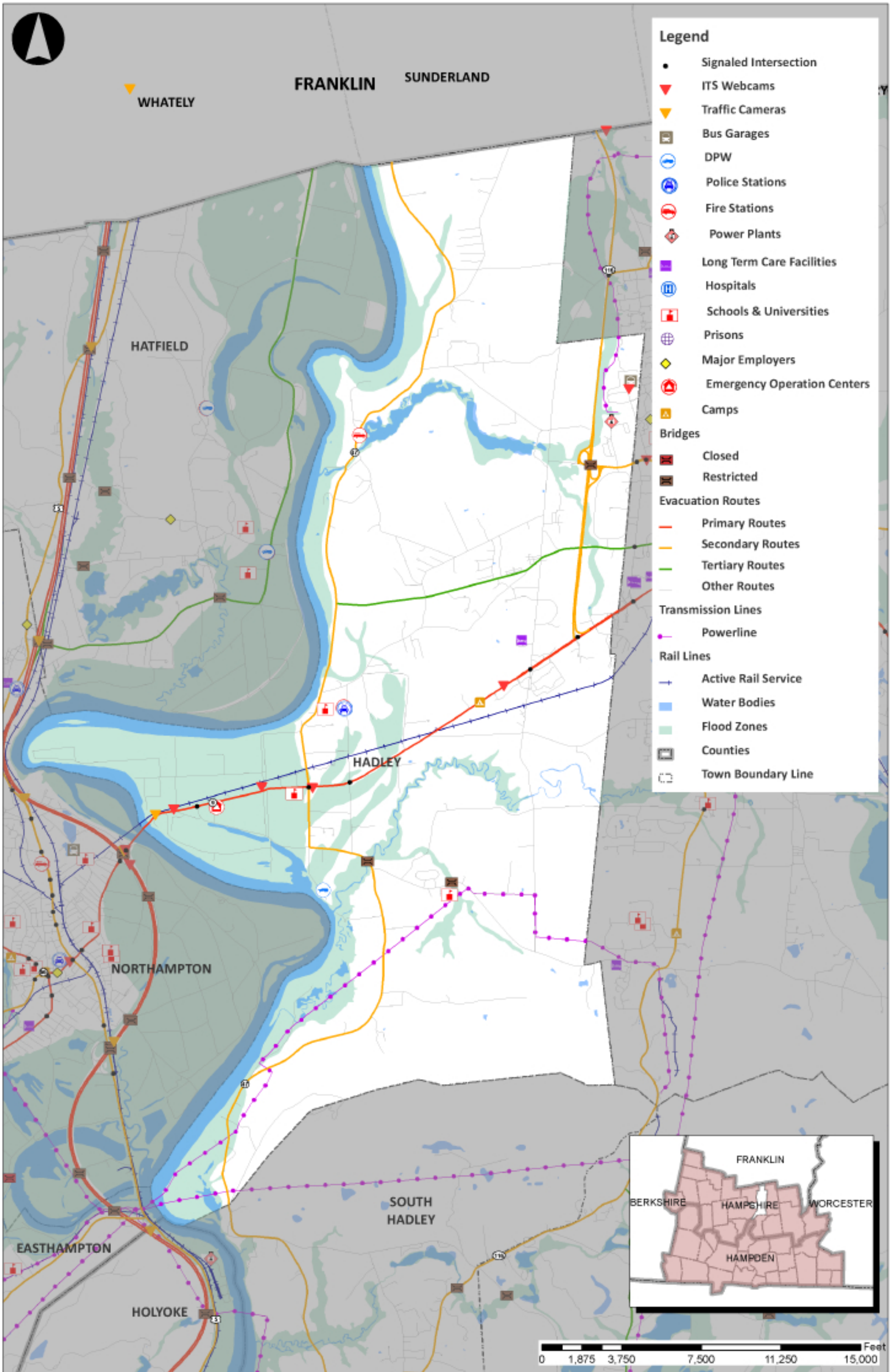
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GOSHEN

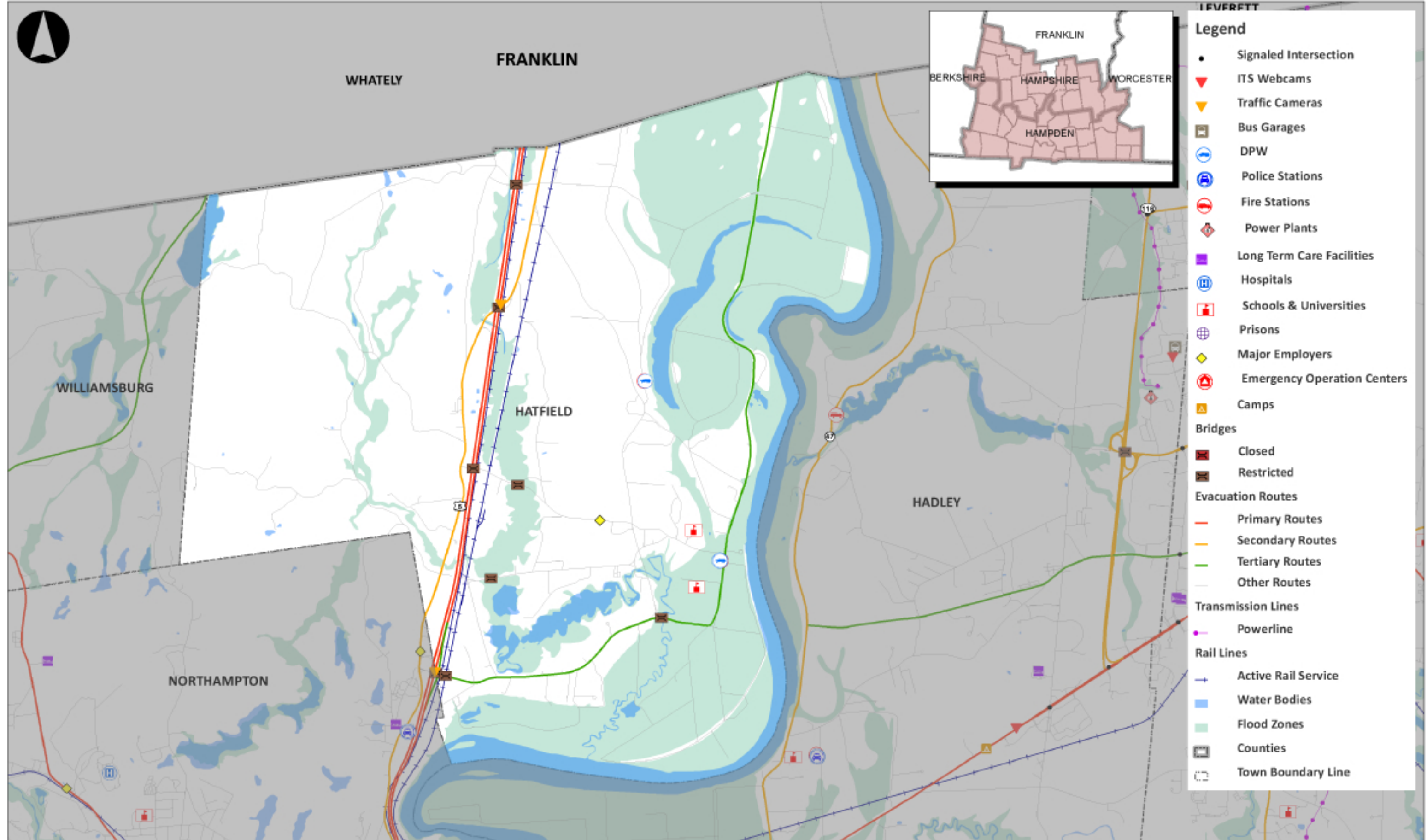


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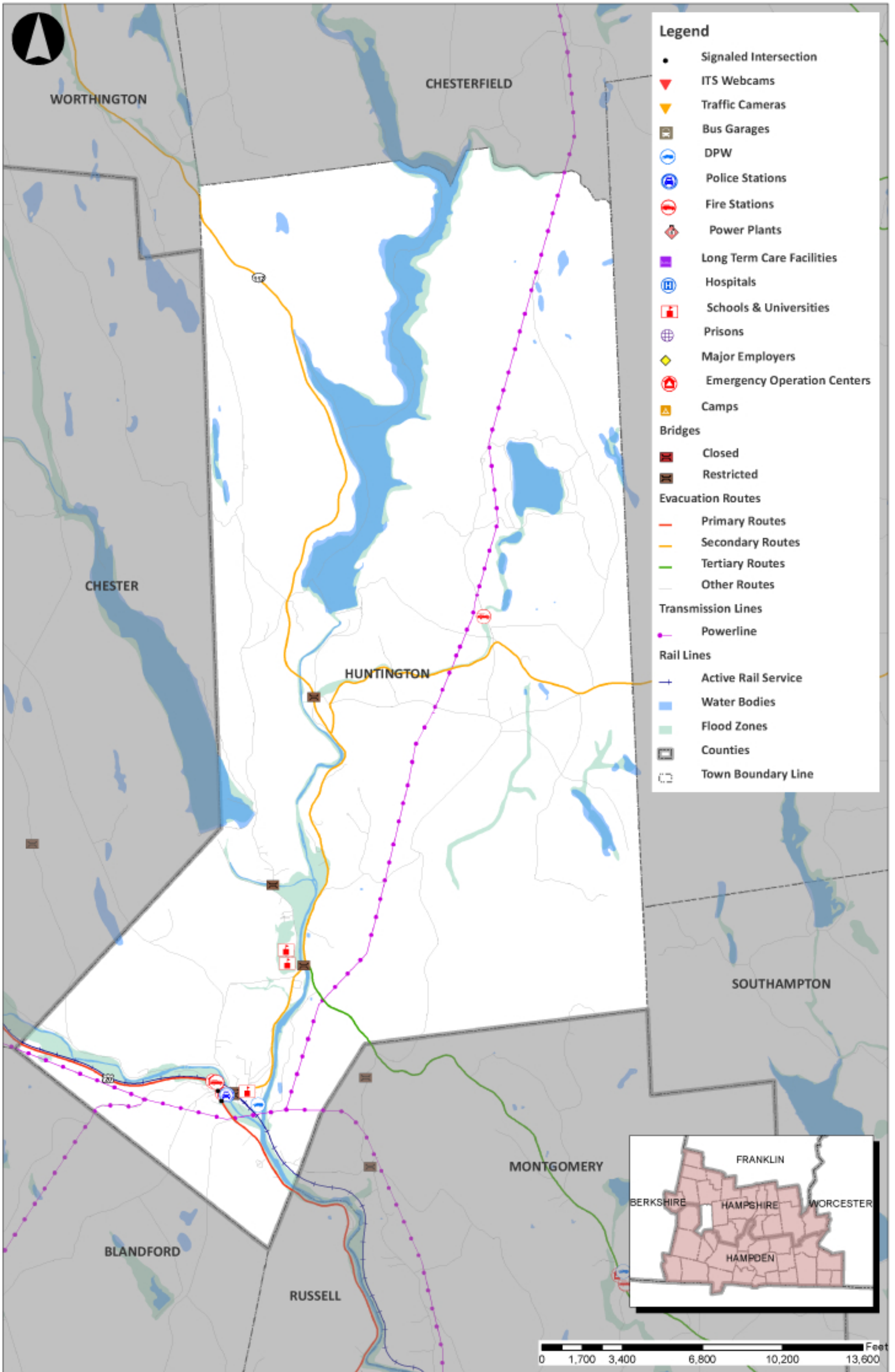




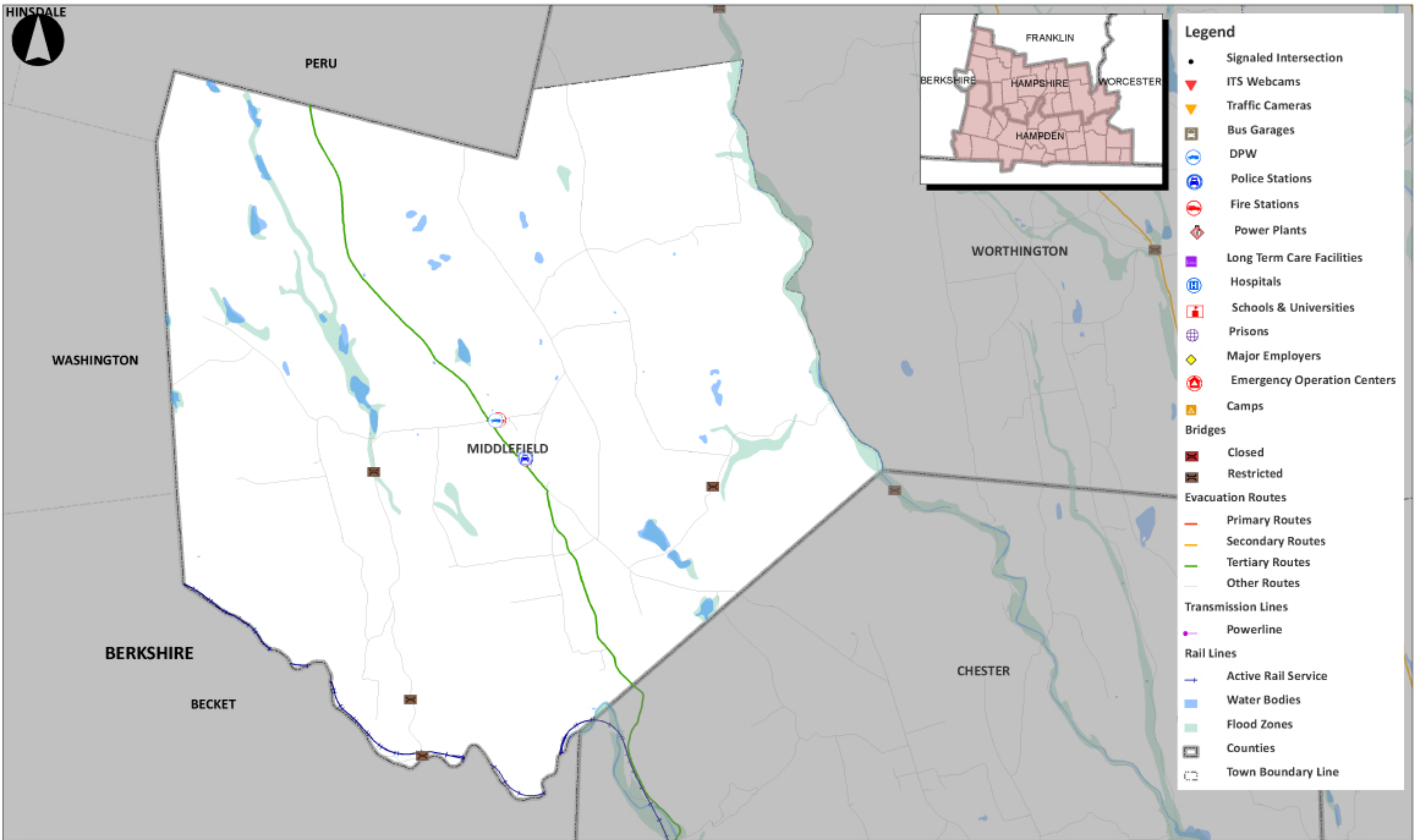
HATFIELD



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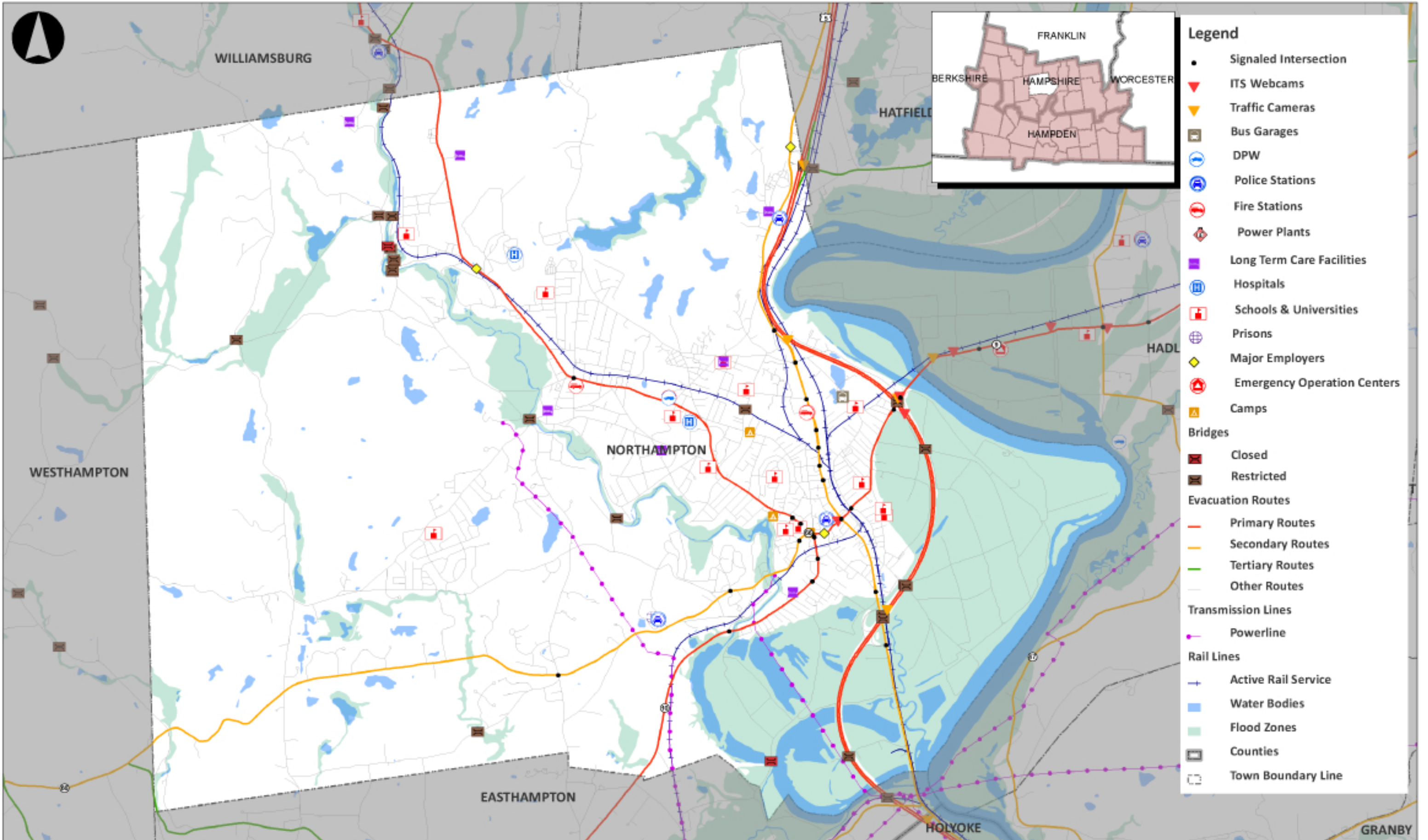


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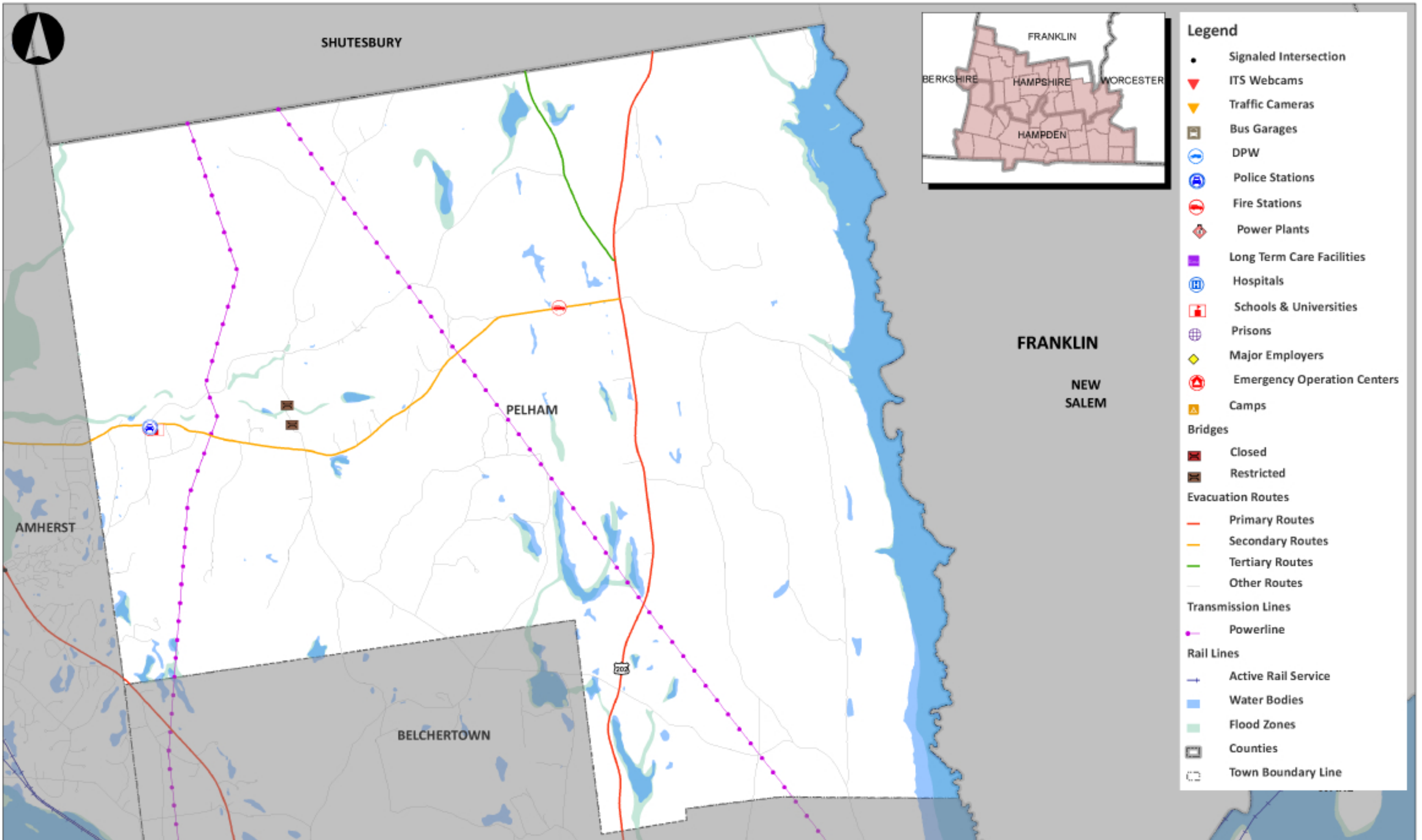


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NORTHAMPTON

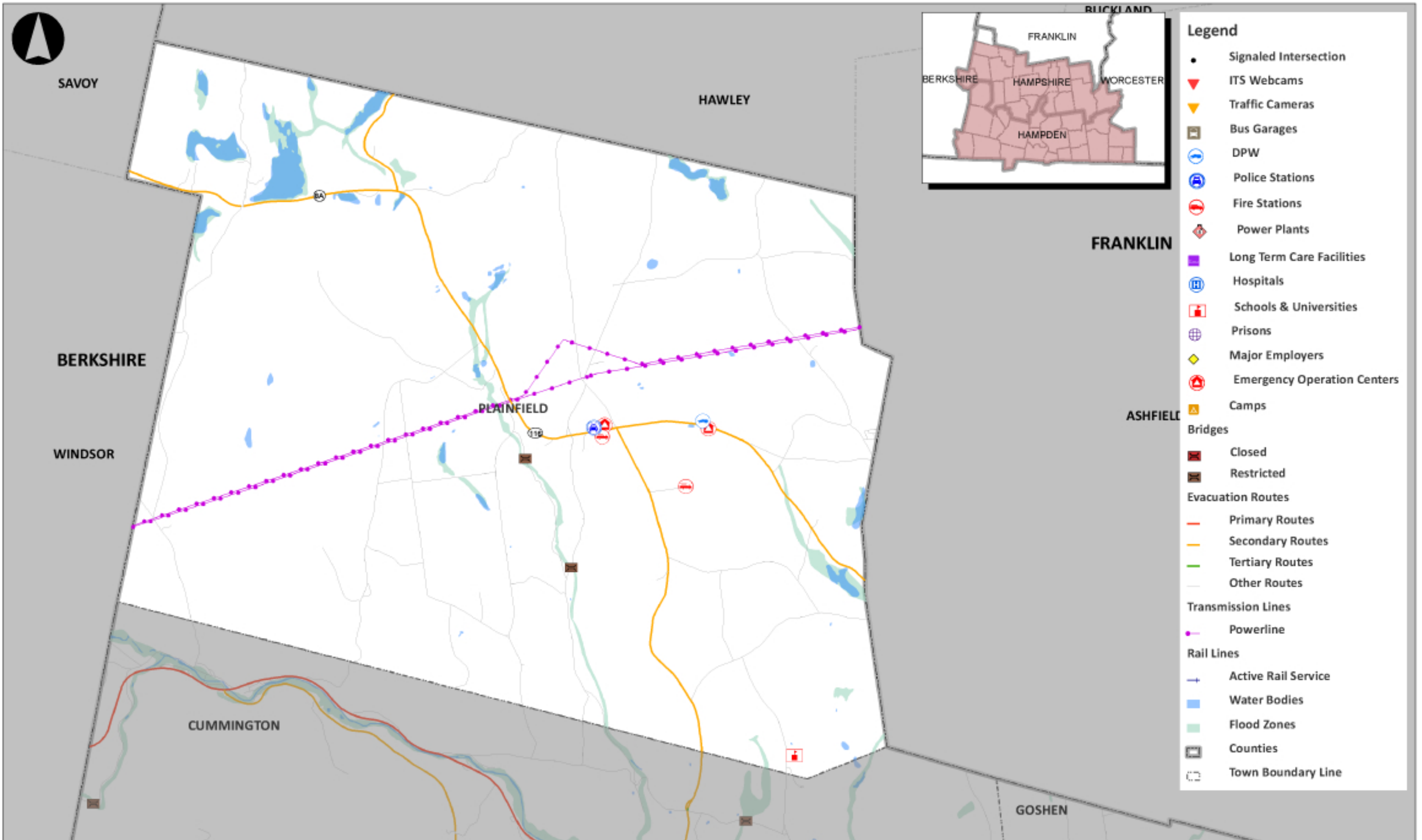


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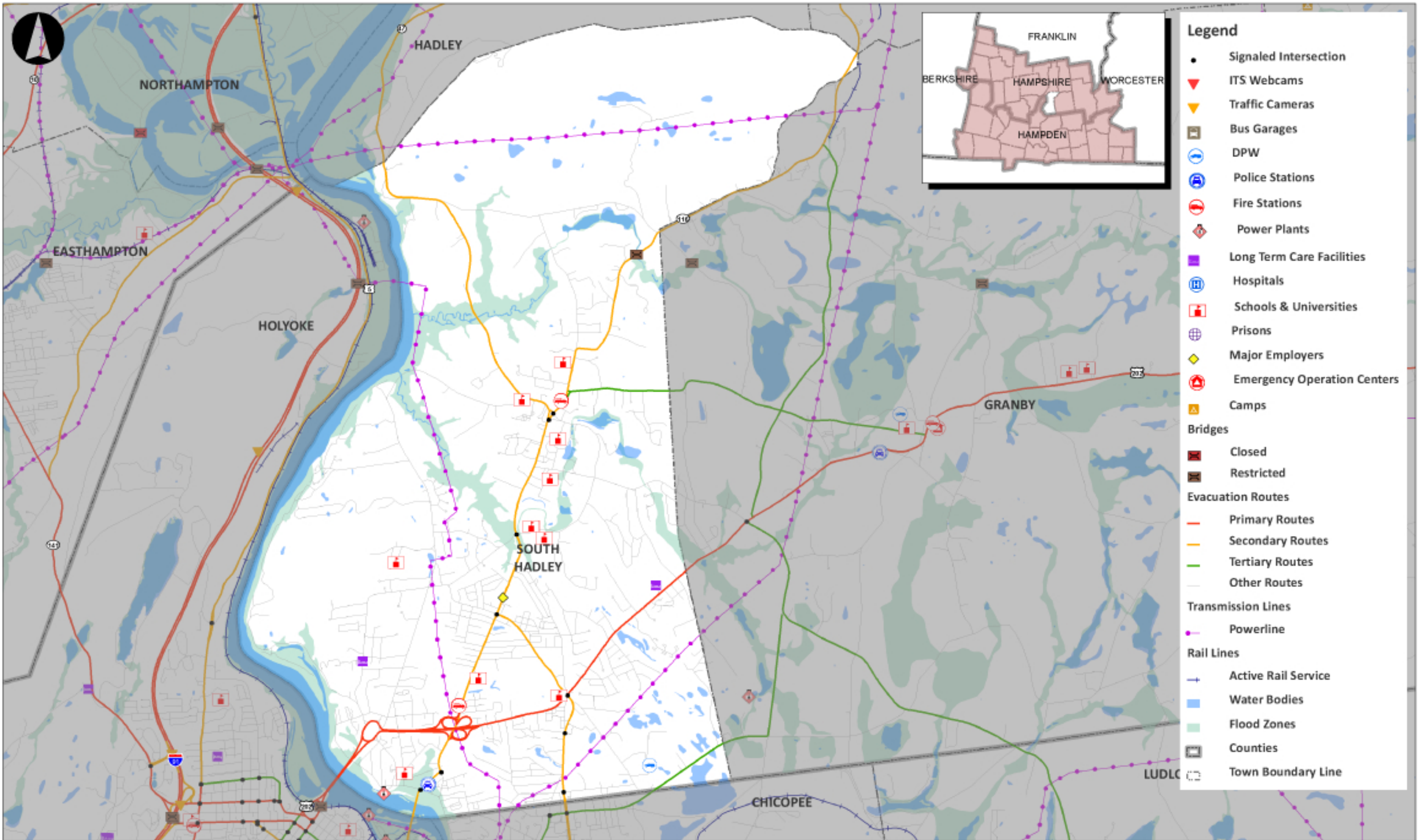


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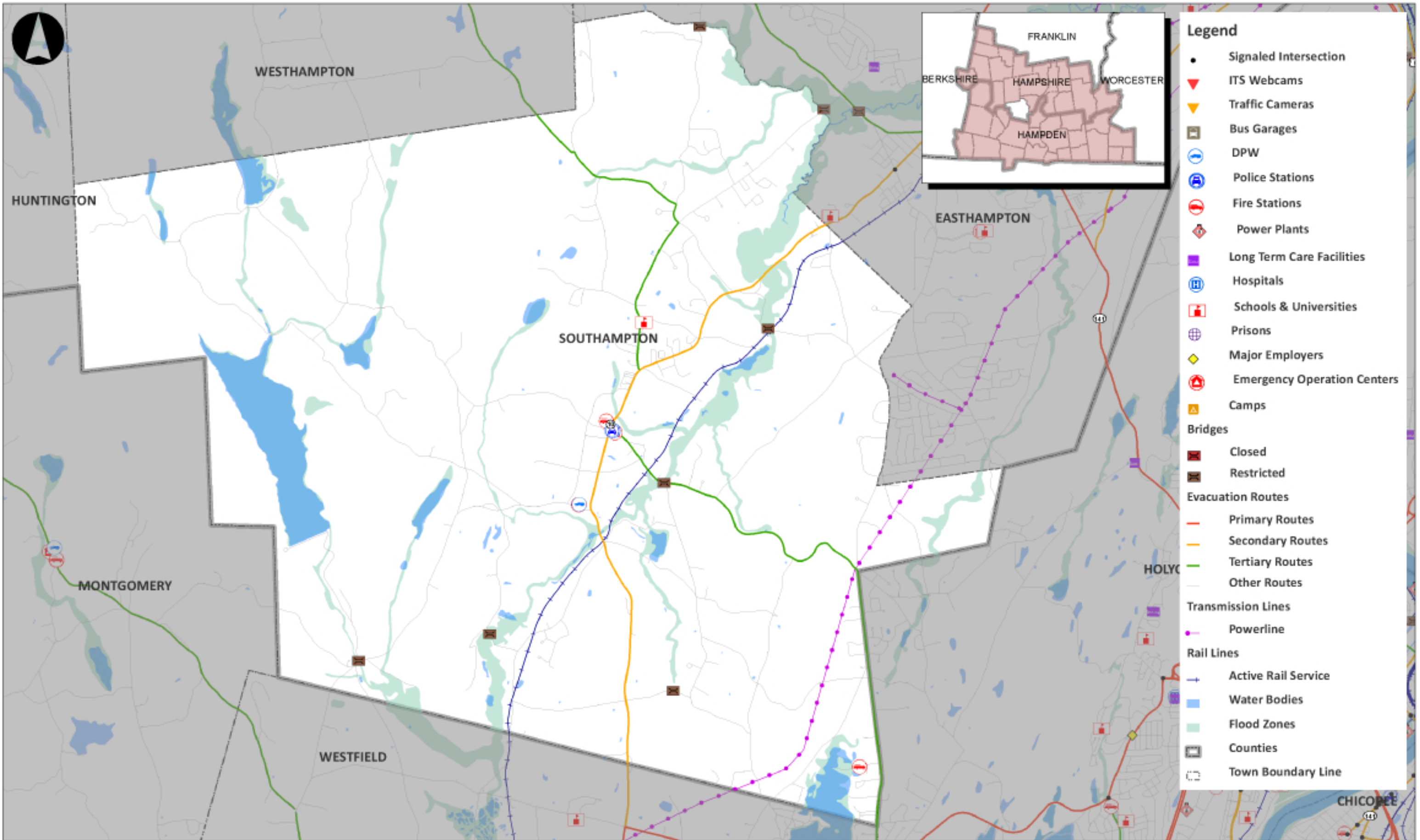
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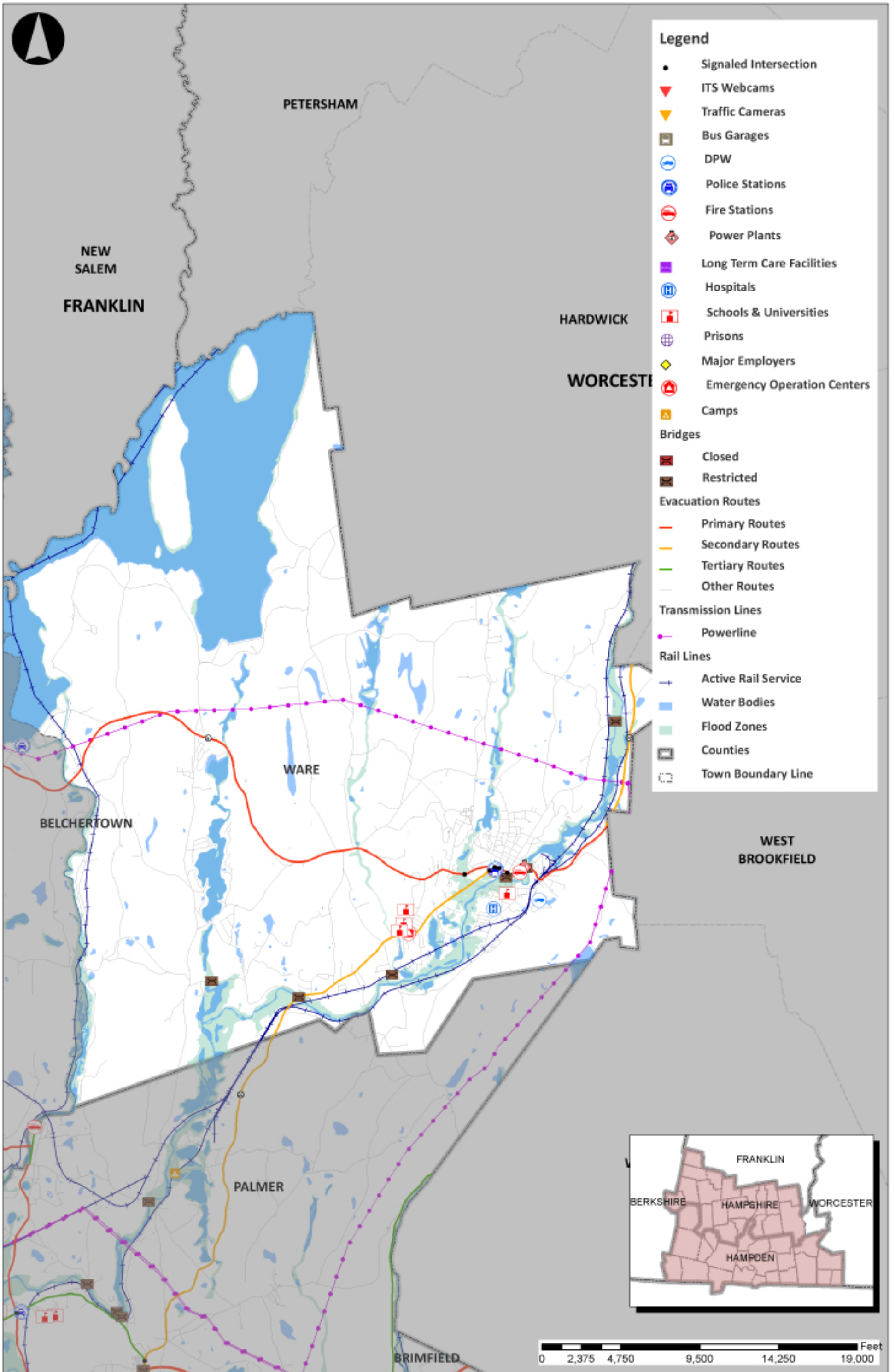


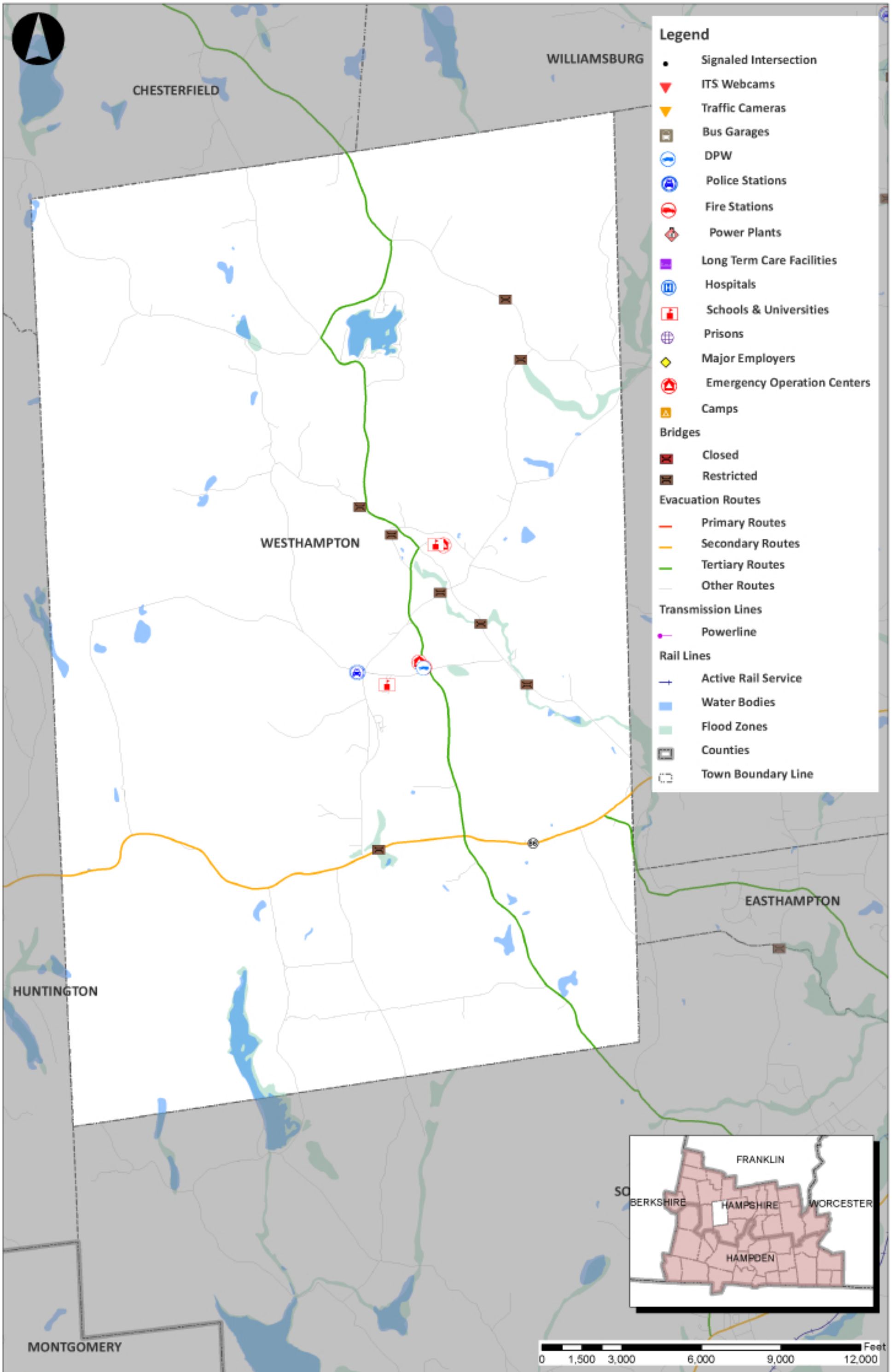
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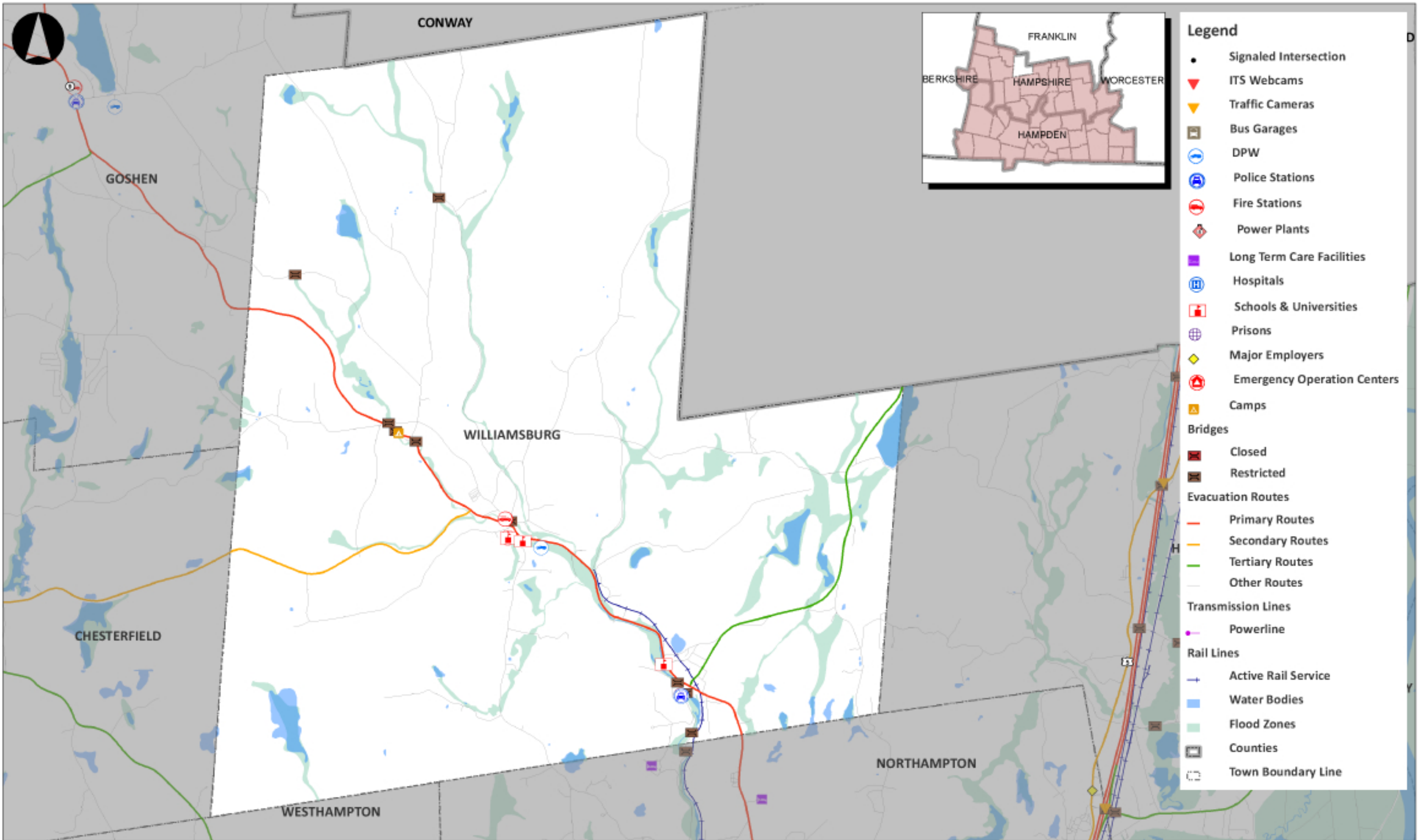
SOUTHAMPTON



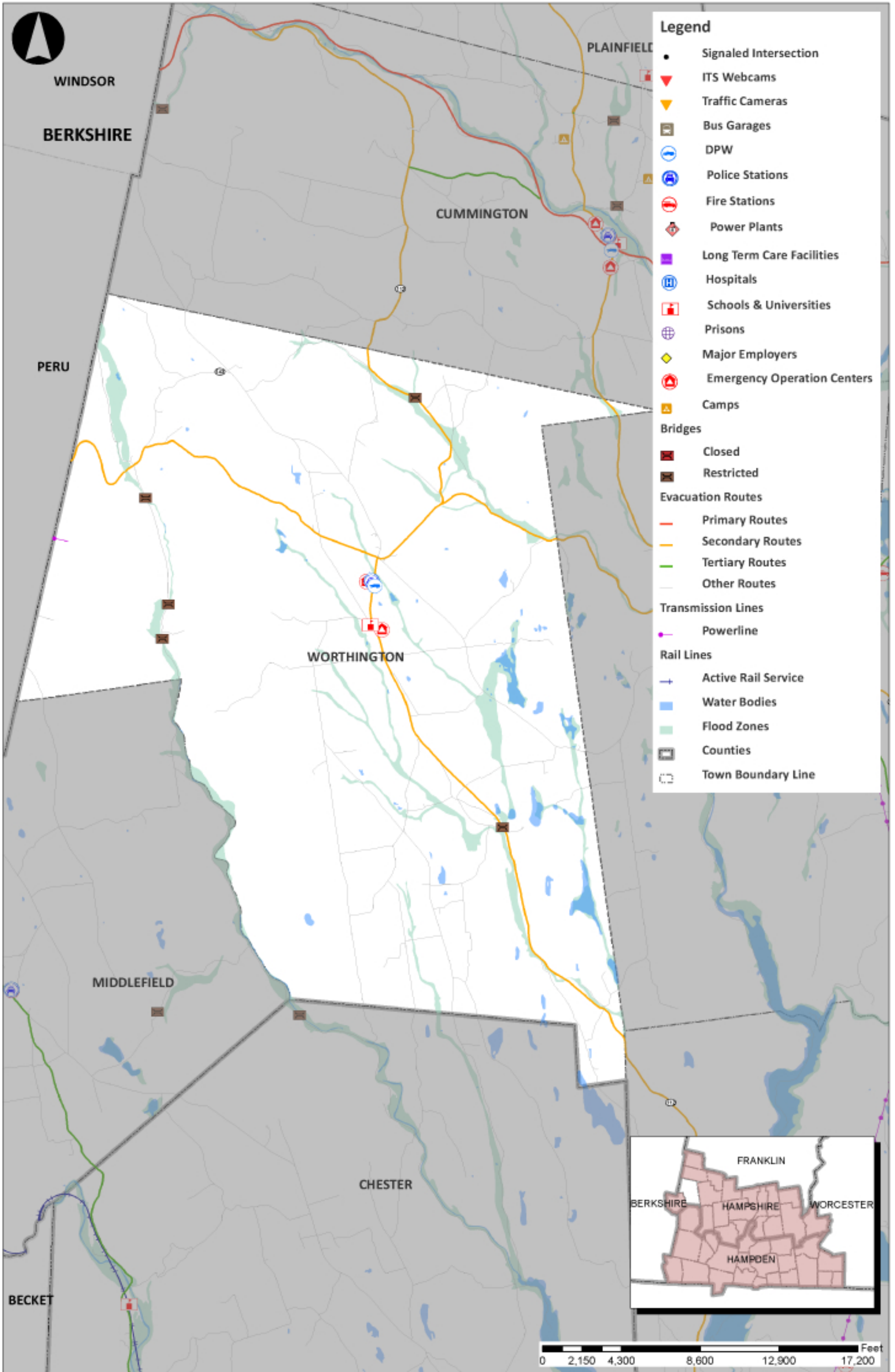




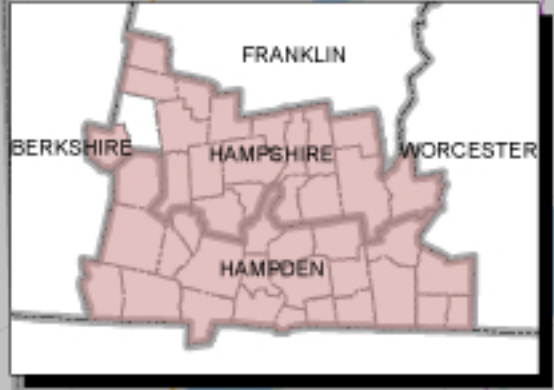
WILLIAMSBURG



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Population Clusters

Daytime Town Populations

The population of Hampshire County varies based on the time of day, as people travel to and from work and school. Using US Census Data and information on major employment centers, the daytime population of Hampshire County is shown in the map below.

Towns with Daytime Population Increases

Town	Day	Night	Diff.
Northampton	34,190	28,549	+ 5,641
Amherst	41,737	37,819	+ 3,918
Hadley	8,833	5,250	+ 3,583
Hatfield	3,749	3,279	+ 470

Source: US Census

Towns with Daytime Population Decreases

Town	Day	Night	Diff.
Belchertown	10,310	14,649	-4,339
South Hadley	14,263	17,514	-3,251
Easthampton	12,997	16,053	-3,056
Granby	4,154	6,240	-2,086
Southampton	3,881	5,792	-1,911
Ware	8,224	9,872	-1,648
Williamsburg	1,746	2,482	-736
Pelham	717	1,321	-604
Huntington	1,622	2,180	-558
Chesterfield	698	1,222	-524
Westhampton	1,116	1,607	-491
Worthington	737	1,156	-419
Goshen	727	1,054	-327
Middlefield	288	521	-233
Plainfield	446	648	-202
Cummington	744	872	-128

In order to differentiate the daytime population from the resident population (nighttime population), the following population categories were added:

- People who live in town but are not part of the labor force (children, retirees, students living at home, etc.)
- People employed within the town
- People who are unemployed
- Students who do not commute and are not residents of their town
- Students who commute to school

Towns by Nighttime Population

Town	Night Population
Amherst	37,819
Northampton	28,549
South Hadley	17,514
Easthampton	16,053
Belchertown	14,649
Ware	9,872
Granby	6,240
Southampton	5,792
Hadley	5,250
Hatfield	3,279
Williamsburg	2,482
Huntington	2,180
Westhampton	1,607
Pelham	1,321
Chesterfield	1,222
Worthington	1,156
Goshen	1,054
Cummington	872
Plainfield	648
Middlefield	521

Source: US Census

Major Employers

There are 22 employers that have 200 or over employees in Hampshire County. They are listed in the table below. Major employers may require additional assistance in the event of an evacuation.

Town	Company	Employees	EMD / Contact	Phone
Amherst	University of Massachusetts	4,776	Environmental Health and Safety	413-545-2682
Amherst	Amherst College	840	James Brassord, Office of Environmental Health and Safety	413-542-8189
Amherst	Hampshire College	470	Environmental Health and Safety	413-549-4600
Amherst	Mullins Center, UMass	400	Executive Director of the Facility	413-545-3001
Amherst	Center for Extended Care	200	-	413-256-8185
Belchertown	Hulmes Transportation Services	200	-	413-323-6100
Easthampton	Berry Plastics	545	-	413-527-1250
Easthampton	Williston-Northampton School	250	Gina Tirrell	413-529-3247
Easthampton	Tri County Youth Programs	240	Paul Rilla, Executive Director	413-529-1170
Easthampton	National Nonwovens Co.	200	-	413-527-3445
Easthampton	October Co.	200	-	413-527-9380
Hadley	Mount Holyoke College	1,000	-	413-253-8200
Hadley	U.S. Fish and Wildlife Dept. Services	225	-	413-247-0258
Hatfield	C&S Wholesale Grocers Inc.	1,029	-	413-582-2000
Northampton	Cooley Dickinson Hospital	1,683	SC Campus Police Department coordinates emergency response	413-584-2700
Northampton	Smith College	1,296	-	413-584-4040
Northampton	U.S. Veterans Medical Center	640	-	413-586-1324
Northampton	Kollmorgen Electro-Optical	330	-	413-586-3680
Northampton	Massachusetts Electric	247	-	413-527-7517
Northampton	Valley Medical Group	220	-	413-584-5000
Northampton	Daily Hampshire Gazette	200	Campus Police Department coordinates it	413-538-2304
Ware	Kanzaki Specialty Papers Inc	226	-	413-967-6204

Source: 2008 Major Employers Inventory for the Pioneer Valley Region

Hospitals

There are 3 hospitals in Hampshire County.

Town	Hospital	Beds	Address	Contact	Phone / E-mail
Northampton	Cooley Dickinson Hospital	142	30 Locust St	Samuel Broder Brian Rust John Lombardi	Samuel_broder@cooley_dickinson.org Brian_rust@cooley.dickinson.org John_lombardi@cooley_dickinson.org 413-582-2312
Northampton	Northampton VA Medical Center	167	421 North Main St	-	413-584-4040
Ware	Baystate Mary Lane Hospital	31	85 South St	Kevin Smith	Kevin.smith@bhs.org 413-967-2180

Senior Care Facilities

There are 16 senior care facilities in Hampshire County.

Town	Facility	Beds	Facility Type	Address
Amherst	Applewood at Amherst	103	Continuing Care Retirement Community	1 Spencer Dr
Amherst	The Arbors at Amherst	78	Assisted Living	130 University Dr
Amherst	Center For Extended Care At Amherst	134	Nursing Home	150 University Dr
Amherst	Fisher Home	6	-	1165 North Pleasant St
Easthampton	Lathrop at Easthampton	120	Continuing Care Retirement Community	3 Chapman St
Easthampton	Hampshire Manor	42	-	West St
Hadley	Sunbridge Care & Reh For Hadley	154	Nursing Home	20 North Maple St
Northampton	Overlook at Northampton	120	Nursing Home	222 River Rd
Northampton	River Valley Rest Home	25	Rest Home	159 Pine St
Northampton	Linda Manor Extended Care Facility	123	Nursing Home	349 Haydenville Rd
Northampton	Rockridge Retirement Community	60	Assisted Living	25 Coles Meadow Rd
Northampton	Lathrop Home For Aged Women	39	Rest Home	215 South St
Northampton	Northampton Rehab & Nursing Center	166	Nursing Home	737 Bridge Rd
Northampton	Calvin Coolidge N&R Center	125	Nursing Home	548 Elm Street
South Hadley	Loomis Village	21	Assisted Living / Continuing Care Retirement Community	246 North Main St
South Hadley	Wingate at South Hadley Rehab & Sld	132	Nursing Home	573 Granby Road

Sources: Massachusetts Division of Health Care Quality, Medicare.gov, Massachusetts Executive Office of Elder Affairs

Descriptions of the different types of senior facilities are as follows:

- **Nursing homes** provide the highest level of care, with feeding, bathing, and health services. Residents will be in the greatest need of assistance during an evacuation and will likely require medical assistance.
- **Rest homes** include supportive services, such as help in preparing food or cleaning, without routine medical attention. Residents likely do not have their own transportation but also likely do not need medical assistance.
- **Assisted living and continuing care** facilities provide supportive services, including help with personal tasks and household management. While residents of these facilities do not necessarily require medical assistance, they also do not necessarily have their own transportation and often rely generally on paratransit services.
- **Continuing care** facilities combine the aspects of nursing homes, assisted living facilities, and rest homes. These facilities offer elderly individuals the ability to age in place by providing several tiers of care at a single location. These residents may have a range of varying medical, mobility, and transportation requirements.

Educational Institutions

Non-Boarding Public High Schools

Students who attend non-boarding schools live at home with their families and have local transportation accommodations already provided. For evacuations that occur when school is not in session, these students are anticipated to evacuate with their families and do not require special considerations. For an evacuation while school is in session, all public schools should have evacuation plans in place, as required by the state. Preschools are also required through the state to have evacuation plans. These plans should be reviewed regularly, and updated as needed. Schools should assure that adequate transportation is available for a large scale evacuation of more than one school in a region.

Town	Facility	Enrollment	Address	Phone
Amherst	Amherst Regional High School	1,304	21 Mattoon Street	413-362-1700
Amherst	Amherst Regional Middle School	553	170 Chestnut Street	413-362-1800
Amherst	Crocker Farm Elementary School	365	280 West Street	413-362-1600
Amherst	Fort River Elementary School	468	70 South East Street	413-362-1200
Amherst	Marks Meadow Elementary School	181	813 North Pleasant Street	413-362-1305
Amherst	Wildwood Elementary	434	71 Strong Street	413-362-1400
Belchertown	Belchertown High School	750	142 Springfield Road	413-323-9419
Belchertown	Chestnut Hill Community School (Elementary)	629	59 State Street	413-323-0437

Town	Facility	Enrollment	Address	Phone
Belchertown	Cold Spring School (Preschool And Kindergarten)	225	57 South Main Street	413-323-0428
Belchertown	Jabish Brook Middle School	439	62 North Washington Street	413-323-0433
Belchertown	Swift River Elementary School	554	57 State Street	413-323-0471
Belchertown	Tadgell Hall (Elementary)	193	7 Berkshire Avenue	413-323-0483
Cummington	Berkshire Trail Elementary School	112	2 Main Street	413-634-5327
Easthampton	Easthampton High School	516	70 Williston Ave.	413-529-1500
Easthampton	White Brook Middle School	529	200 Park St.	413-529-1500
Easthampton	Pepin School (Elementary School)	165	4 Park St.	413-529-1500
Easthampton	Center Street School (Preschool And Elementary School)	191	7 School St.	413-529-1500
Easthampton	Maple Street School (Elementary School)	256	7 Chapel St.	413-529-1500
Easthampton	Parsons Street School (Elementary School)	123	60 Parsons St.	413-529-1500
Easthampton	Young World Day Care (Preschool And Elementary School)	107 - school year 71 - summer	51 Main St.	413-527-3983
Easthampton	All About Children Day Care	70	15A Industrial Parkway	413-527-8200
Granby	Granby Junior & Senior High School	542	385 East State Street	413-467-7193
Granby	East Meadow School (Elementary School)	265	393 East State Street	413-467-7193
Granby	West Street Elementary School	338	14 West Street	413-467-7193
Granby	Children First Day School	20	40 Pleasant Street	413 467-2345

Town	Facility	Enrollment	Address	Phone
Granby	Granby Head Start	20	55 Taylor Street	413 467-2718
Granby	The Children First Club	39	14 West Street	413-467-2345
Hadley	Hadley Elementary School (Preschool And Elementary)	383	21 River Street	413-584-5011
Hadley	Hopkins Academy (Middle And High School)	269	131 Russell Street	413-584-1106
Hadley	Pioneer Valley Performing Arts Charter Public School (Middle And High School)	407	15 Mulligan Drive	413-552-1580
Hatfield	Smith Academy (Middle And High School)	195 (7-12)	34 School St.	413-247-5641
Hatfield	Hatfield Elementary	248 (PK-6)	33 Main St	413-247-5010
Huntington	Gateway Reg Middle	440	12 Littleville Road	413-685-1100
Huntington	Littleville Elementary School	179	4 Littleville Road	413-685-1300
Northampton	Northampton High	887	380 Elm Street	413-587-1344
Northampton	Smith Voc And Agr High	484	80 Locust Street	413-587-1414
Northampton	Jackson Street (Preschool And Elementary)	408	120 Jackson Street	413-587-1510
Northampton	Bridge Street (Elementary)	287	2 Parsons Street	413-587-1460
Northampton	Leeds Elementary School	354	20 Florence St	413-587-1530
Northampton	R.K. Finn Ryan Road School (Elementary)	270	498 Ryan Road	413-587-1550
Northampton	Jfk Middle School	621	100 Bridge Road	413-587-1489
Pelham	Pelham Elementary	125	45 Amherst Rd	413-253-3595
South Hadley	South Hadley High	723	153 Newton Street	413-538-5063
South Hadley	Michael E. Smith Middle School	712	100 Mosier Street	413-538-5074
South Hadley	Mosier (Elementary)	492	101 Mosier Street	413-538-5077

Town	Facility	Enrollment	Address	Phone
South Hadley	Plains Elementary	343	267 Granby Rd	413-538-5068
South Hadley	Canal Village School (Preschool And Kindergarten)	37	30 Carew Street	413-533-1848
Southampton	William E Norris (Preschool And Elementary)	538	34 Pomeroy Meadow Road	413-527-0811
Southampton	Clown Around Preschool & Daycare (Preschool)	15	31 Gunn Road	413-527-0642
Ware	Stanley M Koziol Elem Sch (Kindergarten And Elementary School)	552	4 Gould Rd	413-967-6236
Ware	Ware High School	409	237 West Street	413-967-6234
Ware	Ware Middle School	287	239 West Street	413-967-6903
Westhampton	Westhampton Elementary School	149	37 Kings Highway	413-527-0561
Westhampton	Hampshire Regional High School	814	19 Stage Road	413-527-7680
Williamsburg	Anne T Dunphy (Elementary)	109	1 Petticoat Hill	413-268-8421
Williamsburg	Helen James (Preschool And Elementary)	50	16 Main Street	413-268-8424
Williamsburg	Hilltown Cooperative Charter School (Kindergarten And Elementary)	165	132 Main Street	413- 268-3421
Worthington	Russell H Conwell (Preschool And Elementary School)	59	#REF!	413-685-1000

Non-Boarding Private Schools

Private schools should also maintain evacuation plans for their students, including ensuring available transportation.

Town	Facility	Enrollment	Address	Contact Information
Amherst	Amherst Montessori School (Preschool And Elementary)	85	27 Pomeroy Lane	413-253-3101
Amherst	Common School (All Grades)	111	521 South Pleasant Street Po Box 2248	413-256-8989
Cummington	Academy At Swift River (High School)	80	151 South Street	800-258-1770
Easthampton	Calvary Baptist School (All Grades)	50	412 Main St.	413-527-6252
Easthampton	Tri-County High School	78	199 East St.	413-529-7334
Granby	Holyoke Catholic High School	289	66 School Street	413-467-2477
Hadley	Hartsbrook School (All Grades)	256	193 Bay Road	413-586-1908
Northampton	Smith College Campus School (Kindergarten And Elementary)	276	33 Prospect Street	413-585-3270
Northampton	New Directions School At Nccf (Elementary, Middle, And High School)	62	78 Pomeroy Ter	413-584-1310
Northampton	Lander Grinspoon Academy-The Solomon Schachler (Elementary)	89	257 Prospect St	413-584-6622
Northampton	Clarke School For The Deaf (Preschool, Elementary, And Middle School)	60	47 Round Hill Rd	413-584-3450
Northampton	Hallmark Developmental School	9	737 Bridge Rd	413-586-3300
Northampton	Montessori School Of Northampton (Preschool And Elementary)	120	51 Bates Street	413-586-4538
South Hadley	Gorse Child Study Center (Preschool And Kindergarten)	100-academic year 50-summer	25 Morgan St	413.538.2039
South Hadley	Pioneer Valley Performing Arts (High School)	405	15 Mulligan Drive	413-552-1580
South Hadley	Berkshire Hills Music Academy	25 (special learners)	48 Woodbridge St	4135409720

Town	Facility	Enrollment	Address	Contact Information
Ware	Head Start School	-	49 Church Street	413-277-1275
Ware	St Mary's School (Kindergarten And Middle School)	127	South And Charles Sts	413-967-9936
Ware	The First Step School (Infant And Kindergarten)	60 summer 70 - school year	258 Malboeuf Road	413-967-7548

Boarding High Schools

There are three boarding schools in Hampshire County. Students at boarding schools reside at the school while classes are in session and do not have access to personal transportation. These students will require mass transportation options during an evacuation. In addition, during an evacuation of one of these schools, the school should contact the families of all students.

Town	Facility	Enrollment	Address
Easthampton	Williston Northampton School	460	19 Payson Ave
Wilbraham	Wilbraham Monson	360	423 Main St
Granby	Granby Academy	200	66 School St

Colleges and Universities

There are five colleges in Hampshire County. The largest of these is the University of Massachusetts – Amherst. In addition to a large student enrollment, the University of Massachusetts has the largest faculty. Any necessary evacuation during the Fall, Winter, or Spring will need to accommodate the large number of students that need transport away from the university. A large number of students at the University of Massachusetts own their own cars and will be able to transport themselves during an evacuation. However, most students at the other colleges do not have cars and will need transportation assistance.

Town	College or University	Full Time Students Living On Campus	Full Time Students Live Off Campus	Part Time Students	Evacuation Plan Location	Contact Information
Amherst	Amherst College	1,750	45	0	https://www.amherst.edu/offices/emergency	413-542-2000
Hadley	Hampshire College	1,188	346	0	http://www.hampshire.edu/envhealthsafety/8826.htm	413-559-5424
South Hadley	Mount Holyoke	2,213	80	52	https://www.mtholyoke.edu/ehs/science-center-safety-handbook/iiiemergproc	413-538-2304
Northampton	Smith College	2,401	619	93	http://smith.edu/forthill/emergency_plan_protective_actions.php	413-585-2490
Amherst	University of Massachusetts - Amherst	12,012	10,181	5,376	http://www.umass.edu/alerts/index.php	413-545-2121

Source: Integrated Postsecondary Education Data System (IPEDS) *On-Campus, full-time students based on IPEDS data for institution's "total dormitory capacity."

Camps

There are a variety of camps located in Hampshire County for children and adolescents. Campers at stay-over camps are dropped off by their parents or guardians and do not have immediate personal access to transportation, and will require mass transportation options during an evacuation. In addition, during an evacuation of a camp, it is critical that the individual camping contact the families of all campers to notify them.

Town	Camp Name	Address	Contact Information	Average Number of Attendees	Targeted Age Groups	Program Dates
Amherst	Camp Kingsmont	893 West Street	Meghan Roman, Camp Director 413-835-5690	60	-	-
Amherst	GameBreaker Lacrosse Camp	266 South Pleasant St	Carol Knerr, Director, 800-944-7112	20	-	-
Amherst	iD Tech Camps	220 South Pleasant St	888-709-8324	20-30	-	-
Belchertown	Ingate Farms	60 Lamson Ave	-	-	-	-
Cummington	Shire Village	36 Mellor Rd	413-634-2281	150	-	-
Cummington	Greenwood Music Camp	32 Harlow Rd	Deborah Sherr: 413-695-6327 Sally Bagg: 413-247-9562	50-60	High School students	-
Easthampton	Eastern Soccer Academy	19 Payson Ave	914-864-2608	100	-	-
Easthampton	N.E. School of Architectural Woodwork	1 Cottage St	413-527-6103	8	Adults	-
Goshen	Camp Howe	1032 Goshen Rd	413-268-7635	115	-	-
Hadley	Kidsports Day Camp	317 Russell St	--	-	-	-
Northampton	YMCA Sports Camp	286 Prospect St	413-584-7086	60 per week	-	-
Northampton	Oasis Day Camp	7 College Ln	413-992-6640	100	-	-
Northampton	Revolution Field Hockey Camp	7 Elm St	800-944-7112	70	-	July 11-14

Source: www.masscamps.com

Prisons/Correctional Facilities

There is one inmate facility in Hampshire County. Evacuation of this facility will require additional care to ensure that inmates do not escape. Police enforcement and prison transportation services will need to be employed for this purpose.

Town	Facility	Cells	Address	Phone
Northampton	Hampshire County Jail and House of Correction	248	205 Rocky Hill Rd	413-582-2000

Source: Website of the Hampshire County Sherriff's Office

Natural Features

The following are a list of natural features possibly relevant to evacuations in Hampshire County. More information about these natural features can be found in the Hazard Mitigation Plans for the Pioneer Valley, accessible at:

http://www.pvpc.org/resources/landuse/mit-plans-2011/Regional_Plan_final_12_23_09.pdf

Floods

Flooding is an identified problem in several areas. In Hampshire County, the 100 and 500 year flood areas are centered on the Connecticut River.

The probability of a 100-year flood is 1-percent chance of occurring in any given year. The probability of a 500-year flood is 0.2 percent chance of occurring in any given year.

Both levels of flooding would result in widespread flooding in Hampshire County and affect residences and businesses. In addition, the flooding would result in roadway closures in the region and impact any potential necessary evacuations.

The primary two communities identified in Hampshire County as being affected by the 100-year flood are the western portion of Hadley and the eastern portion of Northampton. Routes 5, 9, and 47 would potentially be affected by flooding on the Connecticut River.

A 500-year flood would cause similar flooding with additional land flooded in Hadley.

Bodies of Water

Connecticut River
Quabbin Reservoir

Geographic Features

Holyoke Mountain Range

Critical Infrastructure

The following sections identify hazards associated with critical infrastructure during an evacuation.

Critical infrastructure of the water and energy sectors is currently being studied through a project called the Fusion Center, funded by the Western Massachusetts Homeland Security Advisory Council. The project is examining vulnerabilities that exist to critical infrastructure in the region and which effect emergency response efforts. The purpose of this project is to improve emergency planning in the region by identifying vulnerabilities and making recommendations on how to make facilities safer and more secure.

Bridges with Restrictions or Closures

All bridges with a span greater than 20 feet throughout the state undergo routine structural inspection. Using a rating system developed by the American Association of State Highway and Transportation Officials (AASHTO), MassDOT has surveyed and rated the state’s bridges.

The MassDOT process identifies bridges that are structurally deficient and functionally obsolete. Bridges that are closed or have weight restrictions are listed below.

Caution should be used for the transport of trucks and other heavy vehicles on restricted bridges.

Closed Bridges

Town	Road	Crosses Over
Belchertown	Wilson St	New England Central Railroad
Northampton	Old Springfield Rd	Water Mill River
Northampton	Old Shepherd Rd	Water Mill River

Bridges with Weight Restrictions

Town	Road	Crosses Over
Amherst	Mill St	Mill River
Belchertown	Bardwell St	Jabish Brook
Belchertown	Aldrich St	Jabish Brook
Belchertown	Allen Rd	Jabish Brook
Chesterfield	Ireland St	Westfield River
Cummington	Stage Rd	Meadow Brook
Cummington	River Rd	Westfield Brook
Easthampton	Glendale St	Manhan River
Easthampton	Pomeroy Meadow	Manhan River
Easthampton	Torrey St	Manhan River
Goshen	Shaw Rd	Swift River
Granby	North St	Bachelor Brook
Granby	Burnett St	Bachelor Brook
Hatfield	Bridge St	Mill River
Hatfield	Chestnut St	Mill River
Hatfield	Chestnut St	Interstate 91
Huntington	Worthington Rd	Pond Brook
Middlefield	Town Hill Rd	Factory Brook
Middlefield	Clark Wright	Glendale Brook
Northampton	Park Hill Rd	Basset Brook
Northampton	Main St	Mill River
Northampton	Clement St	Mill River
Northampton	River Rd	Mill River
Northampton	Pine St	Mill River
Northampton	Kennedy Rd	Roberts Meadow Brook
Northampton	Main St	Sluiceway
Pelham	Meetinghouse Rd	Amethyst Brook
Pelham	Meetinghouse Rd	Harris Brook
Southampton	Gunn Rd	Manhan River
Southampton	East St	Manhan River
Southampton	Russellville Rd	Manhan River
Southampton	Valley Rd	Moose Brook
Ware	Malbouef Rd	Flat Brook
Westhampton	Chesterfield Rd	Brewer Brook
Westhampton	Easthampton Rd	Manhan River
Westhampton	Kings Hwy	Manhan River
Westhampton	North Rd	Manhan River
Westhampton	North Rd	Roberts Meadow Brook
Westhampton	Main Rd	Sodom Brook
Williamsburg	Hemenway Rd	Bradford Brook
Williamsburg	S Main St	Mill River
Williamsburg	Bridge St	Mill River
Worthington	River Rd	Westfield River
Worthington	Huntington Rd	Wards Stream

Culverts

Culverts are any sewer or drain crossing under a road or embankment that is less than 20 feet. More information on identified problem culverts can be found in the Hazard Mitigation plans for individual towns in western Massachusetts. A project to assess strengths and weaknesses in critical infrastructure in specific towns in western Massachusetts is currently being conducted by the Western Region Homeland Security Advisory Council.

Dams

According to the Office of Dam Safety:

Poor condition indicates a dam with major structural, operational, maintenance and flood routing capability deficiencies...Unsafe condition indicates a dam whose condition, as determined by the Commissioner, is such that a high risk of failure exists.

Among the deficiencies which would result in this determination are:

- Excessive seepage or piping
- Significant erosion problems
- Inadequate spillway capacity and/or condition of outlet(s)
- Serious structural deficiencies including movement of the structure or major cracking

There are 13 dams in Hampshire County in poor or unsafe condition, as found by the state Office of Dam Safety.

Dams in Poor and Unsafe Condition

Town	Dam Name	Last Inspection	Condition
Belchertown	Bondsville Upper Dam	5/9/2009	Poor
Goshen	Upper Highland Lakes Dam	5/14/2008	Poor
Goshen	Lower Highland Lakes Dam	5/14/2008	Poor
Granby	Aldrich Lake Dam	4/17/2008	Unsafe
Granby	Quenneville Dam	7/10/2009	Unsafe
Granville	Bahre Pond Dam	-	Poor
Hatfield	DF Riley Grist Mill Dam / Advocate Dam	2/10/2000	Poor
Middlefield	Virginia Lake Shore Dam	8/31/2001	Poor
Northampton	Paradise Pond Dam	6/23/2009	Poor
Northampton	Robert's Meadow Upper Reservoir Dam	9/9/2009	Poor
Northampton	Rocky Hill Pond Dam	-	Poor
Pelham	Bartlett Fish Rod Co. Dam	5/21/2008	Poor
Southampton	White Reservoir Dam	5/19/2008	Poor

Source: Pioneer Valley Planning Commission Regional Transportation Plan 2012

Power Plants

There are 2 power plants located in Hampshire County.

The majority of the county's electricity needs come from external sources, both within the region and state. Information on these power plants can be found in other chapters of this plan.

Town	Power Plant	Address	Contact Information
Granby	Industrial Power Services Corporation	11 New Ludlow Rd	413-967-7415
Hadley	University Of Massachusetts	University Drive	866-450-2687

Major Roads

State Highways

Name	Towns	Bridges with Restrictions
MA Route 5	Northampton Hatfield	-
MA Route 9	Cummington Goshen Williamsburg Northampton Hadley Amherst Belchertown Ware	Northampton, Main Street over Mill River Northampton, Main Street over Sluiceway
MA Route 10	Easthampton Northampton Hatfield	Northampton, Main Street over Mill River
New England Route 32	Ware	-
MA Route 47	South Hadley Hadley	-
MA Route 63	Amherst	-
MA Route 66	Huntingdon Westhampton Northampton	Westhampton, Main Road over Sodom Brook
MA Route 112	Huntington Worthington Cummington Goshen	Huntington, Worthington Road over Pond Brook Worthington, Huntington Road over Wards Stream
MA Route 116	South Hadley Amherst Hadley Sunderland Whately Deerfield Ashfield	-
MA Route 141	Easthampton	-
MA Route 143	Worthington Williamsburg	-
MA Route 181	Belchertown Palmer	-
Route 202	South Hadley Granby Belchertown	-

Traffic Congestion and Identified Bottlenecks

The Federal Highway Administration (FHWA) defines a congestion bottleneck as “A localized section of highway that experiences reduced speeds and inherent delays due to a recurring operational influence or a nonrecurring impacting event”. If congestion occurs along an entire corridor, then the corridor is considered congested. Likewise, if the corridor is experiencing congestion only at a specific location, then the corridor is considered a congestion bottleneck.

Town	Location
Amherst	Massachusetts Ave @ North Pleasant St
Amherst	University Dr @ Massachusetts Ave
Amherst	East Pleasant St @ Strong St.
Amherst	North East Street
Amherst	Triangle St @ East Pleasant St
Amherst	Triangle St @ East Pleasant St
Amherst	Mass Ave @ North Pleasant St
Belchertown	Main @ East Walnut
Belchertown	Maple @ Main
Belchertown	Maple @ Main
Belchertown	N. Main @ Sargent
Belchertown	Turkey Hill
Belchertown	Turkey Hill
Belchertown	Main @ East Walnut
Easthampton	Chapel Street
Easthampton	Maple Street
Easthampton	Maple Street
Easthampton	Union @ Payson
Easthampton	Union @ Payson
Easthampton	Jarvis Avenue
Easthampton	I-91 on Ramp
Easthampton	Union @ Main Street
South Hadley/Granby	Willimansett Street
South Hadley/Granby	Willimansett Street
South Hadley/Granby	High Street
South Hadley/Granby	RT. 202 Rotary
Ware	Route 9/32 @ Church Street/South Street
Ware	Main Street @ Church Street
Ware	Route 32 @ Wal-Mart Signal (North East)
Ware	East Ct.
Ware	West St @ Main Street
Ware	Vernon Street
Ware	Main Street
Ware	Vernon Street
Ware	Bacon Road

Source: Pioneer Valley Planning Commission

Transportation Options

There are a variety of transportation options available for moving people during a mass evacuation. These resources will be essential for assisting people who do not have access to their own private transportation options, including seniors, college students, boarding high school students, and people who do not own cars and normally rely on mass transportation.

The following transportation companies and organized should be contacted to determine the options they can provide during an evacuation.

School Busses

Town	Company	Location	Contact Information	Fleet Information
Westfield	Westfield School Buses	2 Clifton Street	413-572-9999	Lecreenski Brothers
Springfield	Springfield School Buses	767 Cottage Street	413-205-2833	First Student Inc

Pioneer Valley Transit Authority Busses

Town	Company	Location	Contact Information	Fleet Information
Northampton	Valley Area Transit Company	54 Industrial Drive	413-586-3548	Public, para-transit carrier
Amherst	UMass Transit	255 Governors Drive	413-545-0056	Public, para-transit carrier
Springfield	Springfield Area Transit Company	2808 Main Street	413-781-7882	Public-para-transit carrier

Para Transit Busses

Town	Company	Location	Contact Information	Fleet Information
Chicopee	Hulmes Transportation	80 1st Avenue	413-592-3506	Private carrier
Belchertown	Hulmes Transportation	15 Bridge Street	413-323-6100	Private carrier

Commercial Busing Companies

Town	Company	Location	Contact Information	Fleet Information
Springfield	Greyhound	1776 Main Street	800-237-8747	Private carrier
Springfield	Peter Pan	1776 Main Street	413-781-3320	Private carrier

Passenger Rail

Town	Company	Location	Contact Information
Springfield	Amtrak	66 Lyman Street	800-872-7245

Scenarios that May Impact the County

College Graduations

The numerous colleges and universities in Hampshire County all have graduations during the middle of May. During these events, there are a large number of out of town visitors in the county, specifically concentrated in Northampton, Hadley and Amherst. The majority of these visitors have cars. However, during an impact they will have an impact on transportation infrastructure's capacity.

Institution	Location of Graduation Ceremony	Approximate Number of Graduates	Approximate Date
Amherst College	Main Quadrangle	450	Mid May
Hampshire College	Library Lawn	375	Mid May
Mount Holyoke College	Gettell Amphitheater	550	Mid May
Smith College	Quadrangle	650	Mid May
University of Massachusetts	Mullins Center and McGuirk Alumni Stadium	7,000	Mid May

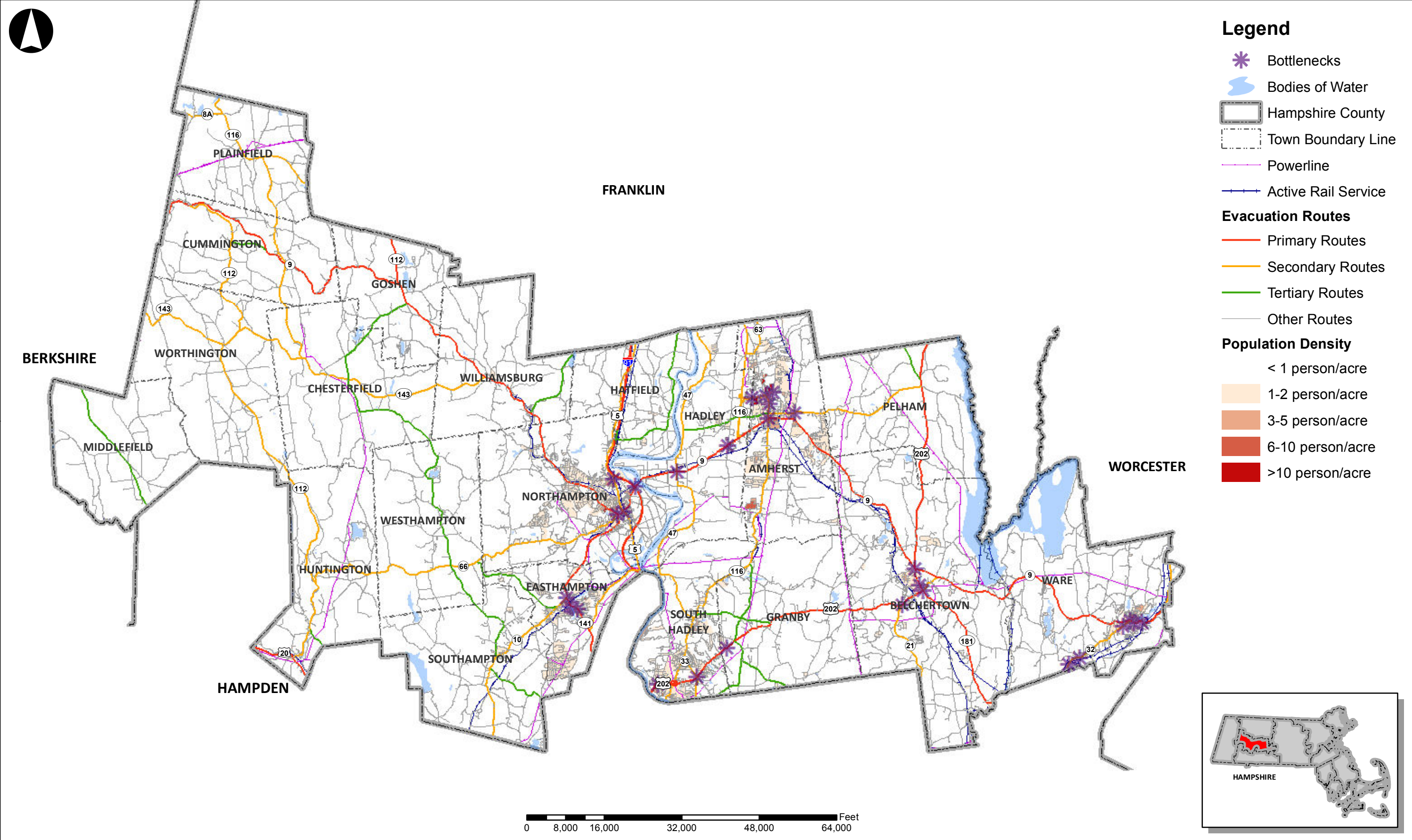
Games at McGuirk Alumni Stadium

This stadium was previously the primary home of the UMass football team. The stadium currently holds approximately 15,000 and after renovations will have a 25,000 person capacity. The stadium is currently undergoing renovations through 2013, during which time UMass football games are scheduled to take place at Gillette Stadium in Foxborough. The stadium is located at 1 University Drive on the UMass campus.

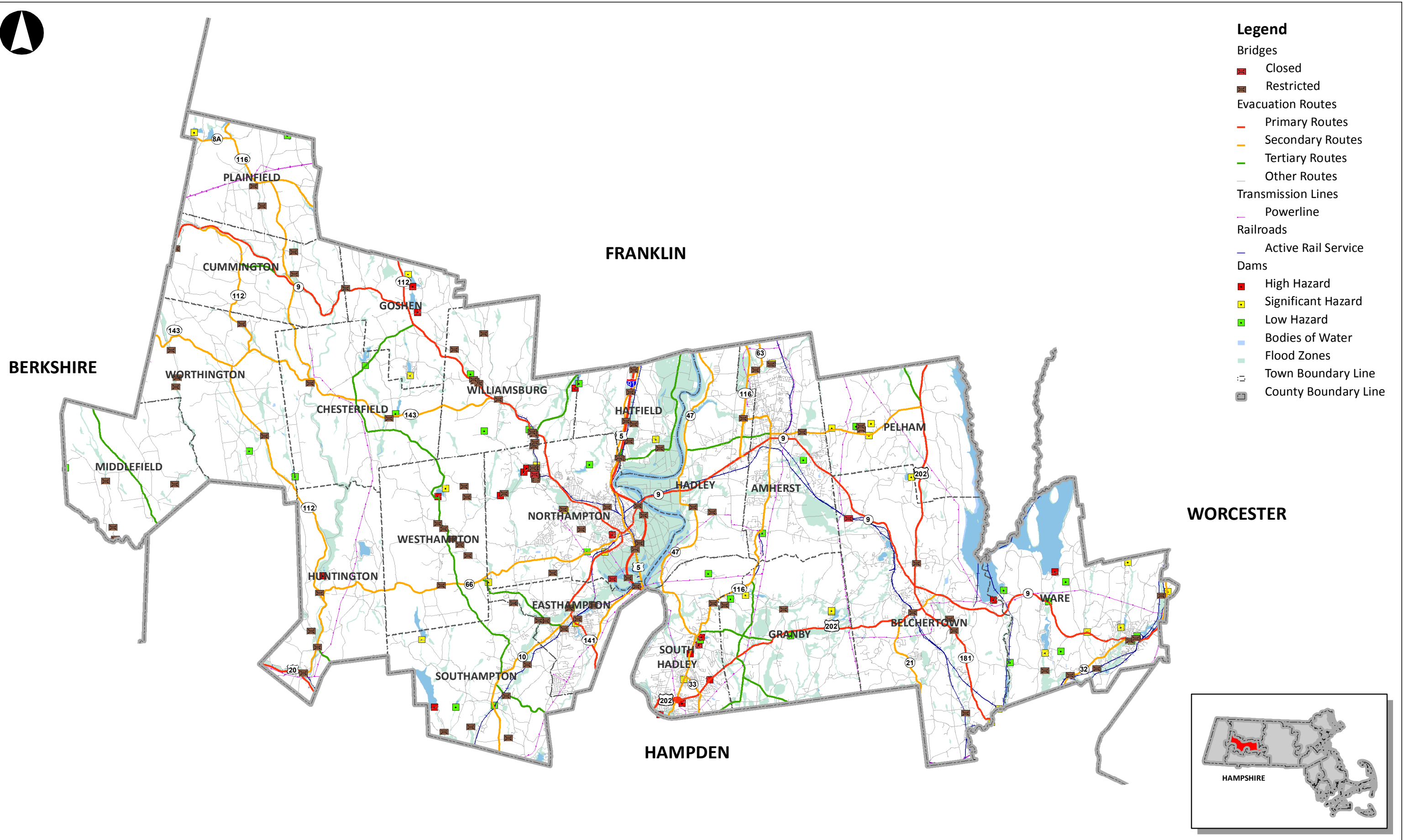
Events at Mullins Center

The Mullins Center at the University of Massachusetts – Amherst holds over 9,000 people. Events hosted at the center include UMass men's basketball, women's basketball, and men's ice hockey games. The center also hosts concerts and theater, as well as the annual commencement for UMass graduate students. The address of the center is 200 Commonwealth Avenue on the UMass campus.

HAMPSHIRE COUNTY POPULATION DENSITY

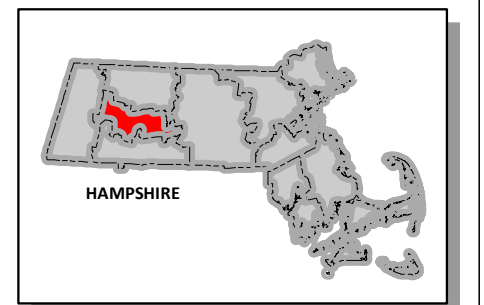


HAMPSHIRE COUNTY WATER HAZARD



Legend

- Bridges
 - Closed
 - Restricted
- Evacuation Routes
 - Primary Routes
 - Secondary Routes
 - Tertiary Routes
 - Other Routes
- Transmission Lines
 - Powerline
 - Railroads
 - Active Rail Service
- Dams
 - High Hazard
 - Significant Hazard
 - Low Hazard
- Bodies of Water
- Flood Zones
- Town Boundary Line
- County Boundary Line



REGIONAL RESOURCES

Evacuation Scenarios

BRPC, FRCOG, and PVPC have conducted evacuation planning studies using their regional transportation models through a process known as dynamic traffic assignment. The TransCAD modeling software was used to analyze each evacuation scenario and estimate the level of traffic on major roadways as a result of the scenario. It should be noted that the transportation models typically exclude most local roads. Only major arterials and collector roads are considered. The Dynamic Traffic Assignment process when combined with the regional transportation model allows specific travel conditions to be implemented at certain times and varying durations. As a result, the impact of a roadway closure during peak travel periods can be simulated and information on the anticipated impacts can be analyzed. The following summarizes the major evacuation scenarios studied using the regional transportation models. Communities may obtain more information on the specific results of each scenario or work to develop other evacuation scenarios by contacting their respective regional planning agency.

Hurricane

Two different Hurricane scenarios were studied using the regional models. The first scenario assumed a major hurricane that requires a full evacuation of all four of the Western Massachusetts counties. The second assumed a hurricane that takes a more westerly path and only impacts Berkshire County.

Four County Hurricane

The four county hurricane scenario was assumed to split the region in two, requiring an evacuation to both the east and west. The scenario was created to mimic the path of the New England Hurricane of 1938. This hurricane made landfall as a category three hurricane in New York. The storm moved its way up through Connecticut, moved through the center of Massachusetts, and ended as a severe storm in Ontario. A major assumption of this scenario is that residents of the four county area are given 24 hours notice to evacuate and that all residents comply with the evacuation order. While the scenario did show it is possible to evacuate the region in a 24 hour period, it did identify roadways such as I-90 to the east that may be overly congested during an evacuation event.

Berkshire County Hurricane

The Berkshire County hurricane scenario expanded on the four county hurricane scenario with more specific evacuation scenario as detailed below:

At 10:00 am on a Thursday in September, a hurricane warning has been released for Berkshire County. The hurricane is expected to reach Berkshire County at 10:00 am on Friday, giving the population 24 hours to evacuate. All towns in Berkshire County need to evacuate to the west, as there is a chance the hurricane tract will move eastward. Seasonal residents and visitors are minimal and will evacuate with the general population. Colleges are in session and have to be evacuated. Schools need to send their students home immediately so they can be evacuated by their parents.

The scenario assumes that a normal day of trips of is taken before the evacuation order is called. As a result, people are leaving their homes to evacuate while people are also returning home from work. Again, the scenario did show it is possible to evacuate Berkshire County in a 24 hour period, however it did identify a number of potentially congested roadways that may be overly taxed during an evacuation event. The scenario also identified a number of areas that may require buses to assist in evacuation efforts based on vehicles per household data.

University of Massachusetts – Amherst Campus Evacuation

A severe snowstorm occurs, necessitating the evacuation of the University of Massachusetts Amherst campus. A phased evacuation is modeled using current university vehicle and housing data. The scenario simulates evacuation assuming complete compliance with the existing University evacuation protocol. This is compared to a second scenario assuming no compliance to the University evacuation plan. The large number of on-campus parking facilities located along a roadway network with limited capacity presents a significant challenge in the case of an emergency evacuation. The scenario provided valuable information on the potential traffic impacts of police controlled versus a non-police controlled evacuation. The scenario also identified a number of exit points that may require additional police officers to assist in evacuation efforts.

It should be noted, this scenario did not perfectly represent campus roadway conditions. Pedestrian traffic, vehicles belonging to students that live on-campus, and PVTA buses were not included in the analysis and thus their impacts are not accounted for. The scenario also only considered the campus road network and did not include an assessment of the impacts of the evacuation surrounding roadways in the Towns of Amherst and Hadley.

Flooding

Franklin County – Harriman Dam Scenario

A four-stage evacuation scenario was analyzed under this scenario to determine the impact of the failure of the Harriman Dam - a hydroelectric dam in the town of Whitingham, VT. The scenario assumes the flood runs upstream to downstream after the Harriman Dam breaks and takes time to get to different points along the Deerfield River with residents evacuating in a progressive manner based water inundation

levels. The flood is estimated to take approximately six-hours to reach the border between Franklin and Hampshire County. Sometime during the fifth hour after dam breaks, the flood joins the Connecticut River begins to accelerate. As a result, it only takes one hour for flood waters to reach the border of Franklin County.

The scenario identified a number of roadways that may not be accessible due to flooding. As the flood progresses, less roadways are available for evacuation use. This required the identification of many local roads that may need to be utilized to route traffic out of the inundation area. While this scenario did not require a complete evacuation of the region, it did assist in identifying the areas that could be prone to flooding and the measures that would be required to assist in evacuation efforts.

City of Springfield Flooding

Three flooding scenarios were developed by the City of Springfield which established the identification of site specific challenges and sensitive receptors.. The three scenarios identified for flood evacuation analysis are located in three different areas of the city. The first scenario is located in the northeast corner of the city between the Chicopee River and Worcester Street. The second flood scenario is located in the South End neighborhood in the southwest corner of the city along the Connecticut River. The third flood scenario covers the Brightwood neighborhood in the northwest corner of the City as well as all locations encompassed by flood scenario two.

The City's Predisaster Mitigation Map was utilized to identify areas that could be impacted by flooding. A number of assumptions were made to assess the impacts of each scenario on sensitive receptors that would be impacted by a flood. Changes in traffic flow were estimated for each scenario based on the identification of roadways that would not be accessible due to flooding. The effectiveness of existing detour routes was also analyzed and recommendations were made on additional resources that may be required during an actual evacuation.

I-91 Chemical Spill Evacuation

A chemical spill occurring in the afternoon peak hours on Interstate 91 in the vicinity of Exit 12 resulting in the complete closure of the highway in both directions. This scenario identifies the impact of the unanticipated closure of I-91 on downtown Springfield and the regional roadway network. The scenario assumes that a two mile segment along Interstate 91 between Exits 10 and 12 is completely closed to vehicular traffic. The closure blocks all traffic from Springfield to the Massachusetts Turnpike, Interstate 90. For planning purposes, the incident begins at 4:00 PM and lasts for three hours.

In general, the length of road closure due to a chemical spill is much longer than what is assumed under this scenario. A chemical spill can last for several days until the area is safe. Also, the range of the hazard zone would likely extend beyond a single road based on the type of hazardous material released and the extent of the spill. The objective of this scenario, however, is to establish a framework for an unexpected emergency during peak travel periods. The scenario provided useful information on potential diversion routes for traffic using I-91 and the number of vehicles that might be trapped on I-91 between exits 9 and 13 as a result of the chemical spill.

Other Emergency Plans

CEMP Plans

Through Massachusetts state mandate, every community is required to complete a Comprehensive Emergency Management Plan. The electronic CEMP application, known as eCEMP, allows communities to access these plans online through the state's website:

<https://host.appgeo.com/memacem/memalogin.aspx>.

More information about electronically accessing CEMP can be found at:

<http://www.mass.gov/eopss/docs/mema/emd-advisory-committee/appendix-b/comprehensive-emergency-management-plan/introduction-to-ecemp.pdf>

WRHSAC Plans

There are two emergency plans sponsored and developed by the Western Region Homeland Security Advisory Council that have been developed for Franklin County. These plans should be incorporated as part of the county's regional evacuation protocols.

Western Massachusetts Emergency Communications Strategies Plan

The plan provides a resource of communication methods for both emergency officials as well as communicating with the public. The Emergency Communications Plan can be found at:

<http://wrhsac.org/resources/resource-documents/>.

Hampden, Hampshire, Franklin, and Berkshire County Sheltering Plans

The four regional sheltering plans, with one developed for each county, provides a description of all aspects of emergency sheltering, including administration. Primary, back-up, and unique shelter locations were identified during the planning process. Sites identified as primary regional shelters as part of the plan are the following:

County	Facility	Town
Franklin	Armory	Orange
Franklin	Colrain Center Elementary School	Colrain
Franklin	Franklin County Technical School	Montague
Franklin	Frontier Regional High School	Deerfield
Franklin	Greenfield Middle School	Greenfield
Franklin	Mahar Regional School	Orange
Franklin	Mohawk Regional High School	Buckland
Franklin	New Sanderson Academy	Ashfield
Franklin	Pioneer Valley Regional School	Northfield
Franklin	Turners Falls High School	Montague

Hazard Mitigation Plans

Franklin County

Multi-Hazard Mitigation Plans for 21 of 26 Franklin County towns are currently in the process of being updated and reviewed by MEMA and FEMA. The plans for the remaining five towns will be updated beginning in 2013. These plans are available by request from the FRCOG Natural Resources Program, or from town administrators and EMDs.

Hampden County

Hazard Mitigation Plans have been completed for the following 15 towns in Hampshire County. These plans can be accessed at the <http://www.pvpc.org/activities/landuse-mitplans-2011.shtml>.

Agawam
Brimfield
Chester
Chicopee
Hampden
Holland
Holyoke
Ludlow
Monson
Palmer
Southwick
Springfield
Westfield
Wilbraham
West Springfield

Hampshire County

Hazard Mitigation Plans have been completed for the following 17 towns in Hampshire County. These plans can be accessed at the <http://www.pvpc.org/activities/landuse-mitplans-2011.shtml>.

[Amherst](#)

[Belchertown](#)

[Chesterfield](#)

[Cummington](#)

[Easthampton](#)

[Goshen](#)

[Granby](#)

[Hadley](#)

[Hatfield](#)

[Huntington](#)

[Northampton](#)

[South Hadley](#)

[Southampton](#)

[Ware](#)

[Westhampton](#)

[Williamsburg](#)

[Worthington](#)

Communicating with the Public

Effective communication with the public is an essential component of any evacuation, in order to minimize misinformation and ensure that large groups of people are able to travel in an organized manner. The following guidelines for communicating with the public have been organized into the various phases of an evacuation: before, during and after. These procedures are adapted from the recommendations made in the Emergency Communications Plan developed by WRHSAC in 2012, which can be found at <http://wrhsac.org/resources/resource-documents/>.

Pre-Evacuation

1. Inventory available communications equipment and ensure it is ready to be utilized as necessary.
2. Ensure emergency staff, including police, fire, and emergency management officials are on call and prepared to conduct an evacuation.
3. Review relevant emergency planning documents, including local CEMP plans, hazard mitigation plans, and this regional evacuation plan.
4. Contact potential foreign language and American Sign Language interpreters in western Massachusetts to provide assistance.
5. Ensure that critical population centers, including major employers, schools and universities, and hospitals, are aware of the potential of an evacuation and begin to prepare accordingly.
6. Alert the public, using multiple communication methods, about the potential of an upcoming evacuation and need to leave their homes.

During the Evacuation

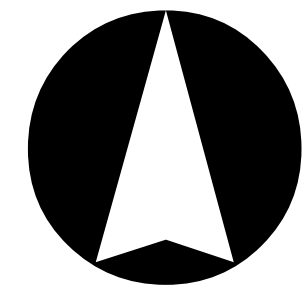
1. Use available alert technology, including Reverse 911 and the MEMA smart phone alert system. A full list of available resources is included in the WRHSAC Regional Communications Plan. In the case of a power outage, communication will be severely impaired, and low-tech methods of alerting the public will be necessary, including having local emergency officials going door-to-door.
2. Monitor social media posts made by the public in order to collect intelligence on evacuation progress and gauge public opinion.
3. Communicate with reporters, television stations, and radio stations in order to promote the broadcasting of accurate information.
4. Ensure that general public announcements are also targeted towards specific populations, including those with limited English proficiency or functional needs.

5. Coordinate evacuation efforts with surrounding states (as applicable) to make them aware of evacuees who are present in their jurisdictions.

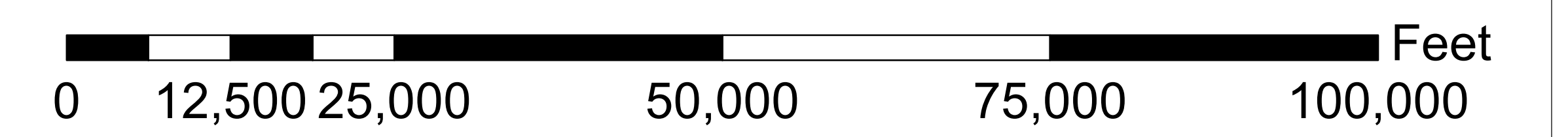
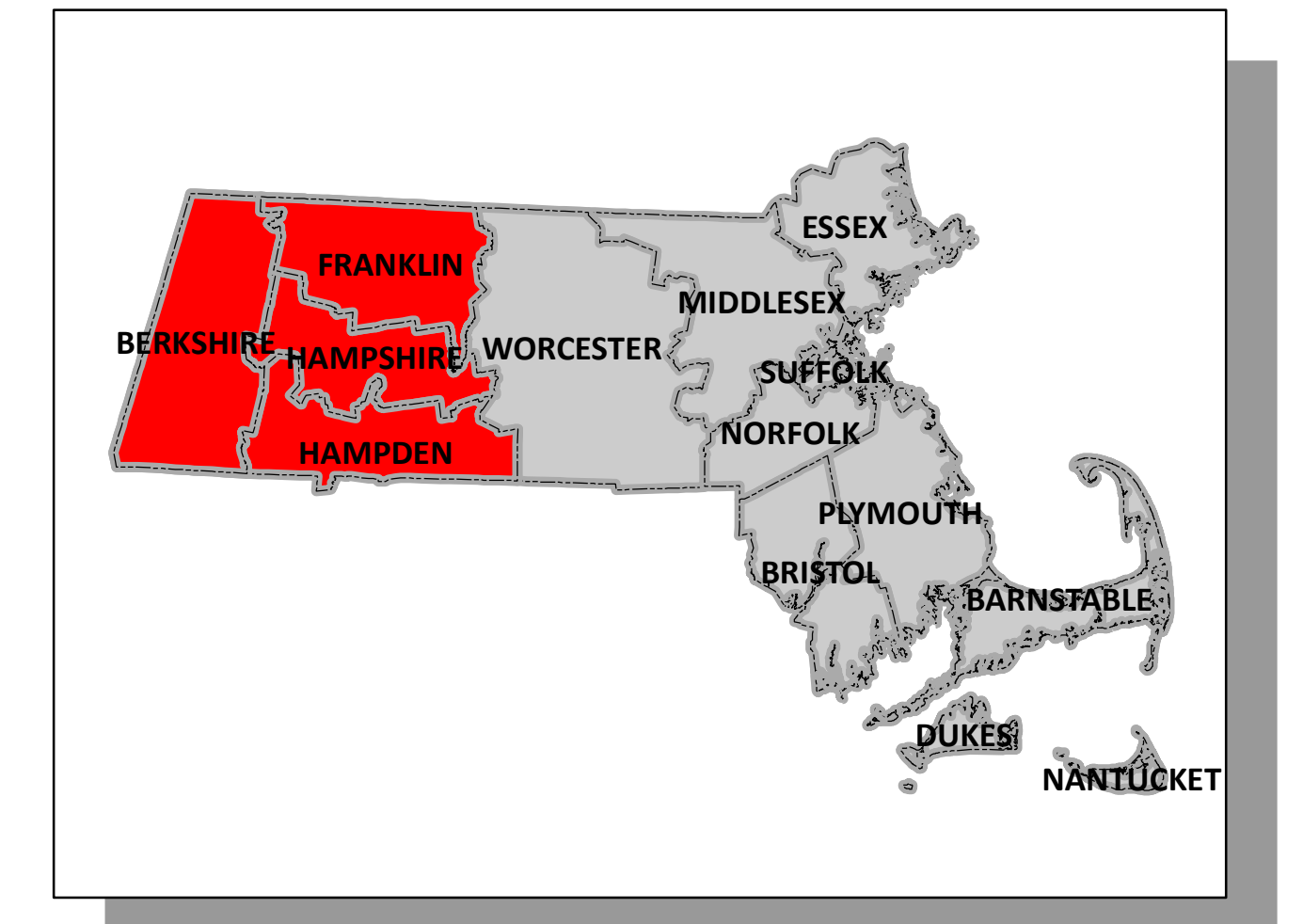
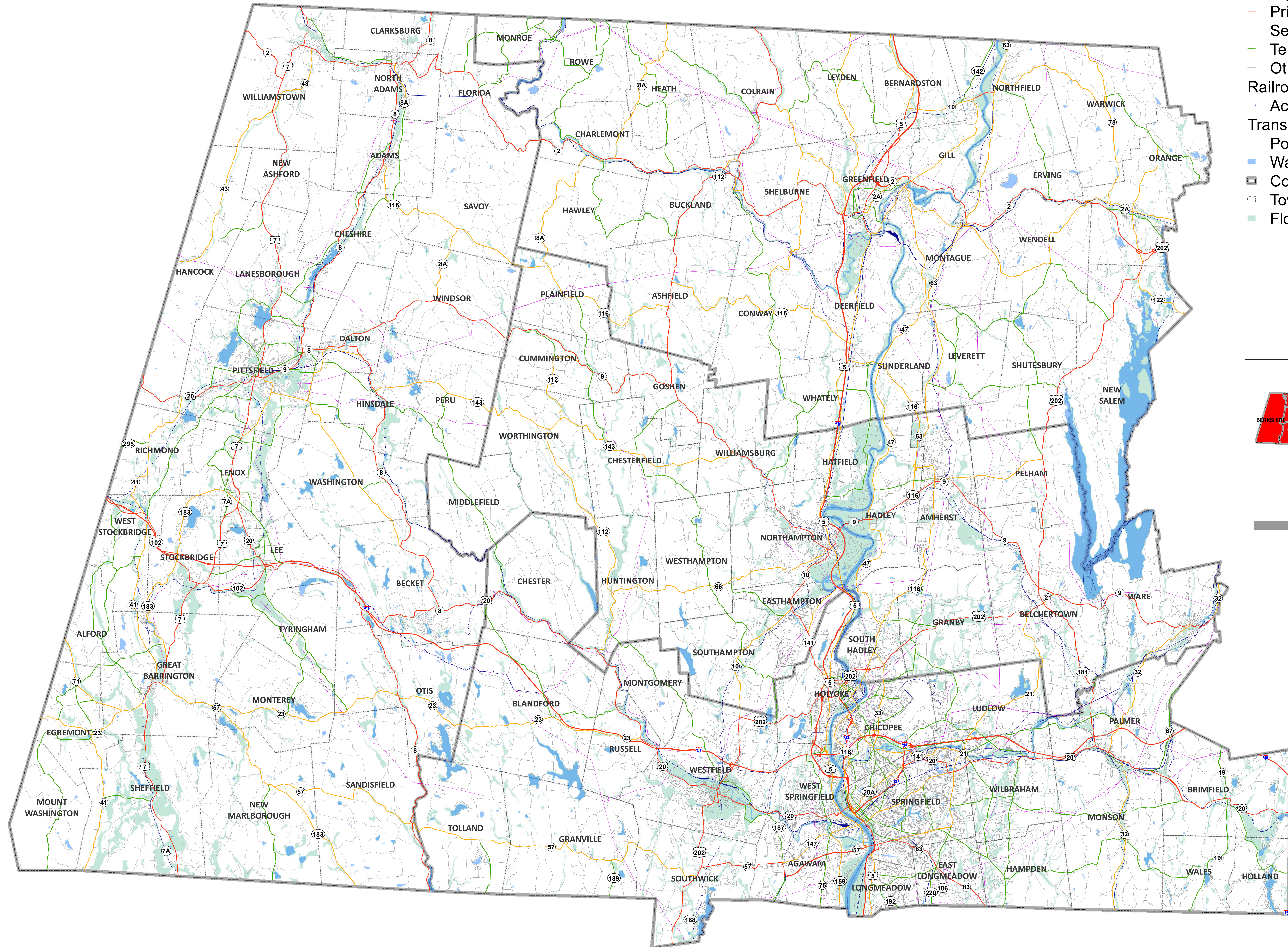
Post-Evacuation

1. Notify media outlets to announce that the public is allowed to return to their homes.
2. For residents who were relocated to medical care facilities or shelters because of a lack of private transportation, provide transportation back to homes.

WESTERN MA EMERGENCY EVACUATION ROUTES



- Legend**
- Emergency Evacuation Routes
 - Primary Routes
 - Secondary Routes
 - Tertiary Routes
 - Other Routes
 - Railroad Lines
 - Active Rail Service
 - Transmission Lines
 - Powerline
 - Water Bodies
 - County Line
 - Town Line
 - Flood Zones



RECOMMENDATIONS

Recommendations

Through the development of this plan, the Western Region Homeland Security Advisory Council has developed the following set of recommendations:

- 1. Development of Evacuation Plans** – Various public and private institutions are required by the Commonwealth of Massachusetts to develop and maintain evacuation plans. However, not all organizations in western Massachusetts have plans. Local Emergency Management Directors (EMDs) should reach out and establish relationships with the schools, major employers, camps, etc. in their respective towns, in order to facilitate the development of individual evacuation plans, where necessary.
- 2. Transportation Services** – As discussed in the beginning of this plan in the Planning Assumptions Section, almost every section in each county utilizes one local commercial bus line for their evacuation. None of these organizations have made a formal agreement with bus companies. While it is likely that bus companies would provide as much assistance during an evacuation as possible, these companies simply do not have the stock to be able to accommodate an evacuation from every organization. Emergency management officials and private institutions that have evacuation plans should sit down with representatives from bus companies to determine a set of realistic expectations for what transportation resources can be provided, so that surprises will not occur when an evacuation is needed.
- 3. Integration with Other Evacuation Plans** – Emergency officials in western Massachusetts should continue to work with officials in neighboring states to coordinate evacuation planning protocol. Local, regional and state emergency officials should work with each other to assist in developing a comprehensive statewide evacuation protocol.
- 4. Increase the Information Included** – Work should continue with emergency officials in western Massachusetts to determine other resources and data that would be useful to have during an evacuation and for inclusion in the plan. In addition, continue to collect data for already identified resources and fill in any existing information gaps. Additionally, work to develop a set of electronic evacuation maps that are more interactive – for example, providing the ability for emergency officials to click on a map feature, such as a bridge, and obtain more information about it.
- 5. Regular Updates** – Procedures should be developed by the WRHSAC and MEMA to perform regular updates to the information included in this plan. Specifically, the status of bridges will need to be updated on a regular basis to provide the best possible information to EMD's on weight restrictions and closures that could impact regional evacuation routes. Similarly, information on sensitive receptors must be updated regularly to provide estimates on the number of individuals that require assistance during an evacuation.
- 6. CEMP and Hazard Mitigation Plans** – Coordinate with MEMA to increase the access to CEMP and Hazard Mitigation Plans. Improve the redundancy and accessibility of the electronic interface used to view the plans and ensure that multiple copies of plans are accessible to emergency officials.
- 7. Improve procedures and guidelines** – Work with MEMA and emergency officials in western Massachusetts to develop formalized evacuation procedures and protocols. Procedures should be based on the resources and data identified in this plan.

8. **Evacuation Signs** – Local Communities and the Massachusetts Department of Transportation may want to consider placement of Evacuation Route Signs (EM-1) as defined in the Manual on Uniform Traffic Control Devices. These signs could be placed in key areas to direct motorists to the regional evacuation routes. The signs may provide the greatest benefit along the tertiary routes identified in this plan to assist in directing motorists to the secondary and primary evacuation routes.