Town of West Hartford

Automated Traffic Enforcement Safety Plan

PREPARED FOR

Town of West Hartford
50 South Main Street
West Hartford, CT 06107

PREPARED BY

100 Great Meadow Road
Suite 200
Wethersfield CT, 06109
860.807.4300

January 5, 2026
1st Revision March 18, 2026
2nd Revision April 6, 2026
3rd Revision April 10, 2026
4th Revision April 18, 2026

Amended Version Submitted July 17, 2026

Added new ATESD locations for Red Light Running Cameras

1st Revision July 28, 2026
2nd Revision October 12, 2026
3rd Revision November 5, 2026

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Letter to OSTA from the Town of West Hartford (12-19-25)

WEST HARTFORD
1854

Town of West Hartford – Office of the Town Manager
50 South Main Street, Room 310, West Hartford, CT 06107
P: (860) 561-7440 F: (860) 561-7438 www.westhartfordct.gov

December 19, 2025

Anna Mermelstein
Executive Director
Office of State Traffic Administration
Connecticut Department of Transportation
2800 Berlin Turnpike
Newington, CT 06131

Ms. Mermelstein:

The Town of West Hartford is pleased to submit its Automated Traffic Enforcement Safety Device (ATESD) Plan in accordance with Connecticut Public Act 23-116, An Act Implementing the Recommendations of the Vision Zero Council.

In an effort to avoid recurring tragedy on our roadways, the West Hartford Town Council adopted the Vision Zero initiative in support of safe, healthy, and equitable mobility on January 10, 2023. As part of that initiative, West Hartford set a goal to eliminate all fatal and severe injury crashes by 2033. The deployment of speed cameras is a significant step towards achieving the goal.

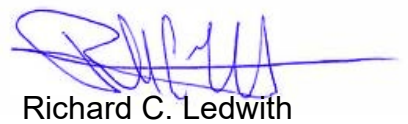
Our Vision Zero Action Plan recommends many actions, including the implementation of a speed camera program to reduce crashes through education, improved driver behavior, and adherence to sensible motorist speeds. West Hartford's town management firmly supports camera use as a proven safety countermeasure.

In collaboration with our consultant team, VHB and VN Engineers, the Town of West Hartford completed all of the necessary work to produce this comprehensive ATESD plan. This work includes among other items, obtaining traffic counts, compiling crash data, compiling police speed enforcement activities, and conducting a comprehensive public outreach program. This work, combined with a significant speed camera location screening process, produced our plan, which includes 20 requested bi-directional speed camera locations. With your approval, we intend to deploy bi-directional speed cameras at 15 locations.

Our hope is that you concur with the findings of our enclosed ATESD plan. We look forward to your feedback and offer to meet and discuss any questions/concerns that you may have.

Please contact Duane Martin, Director of Community Development, as needed at 860-561-7539 or duanem@westhartfordct.gov.

Regards,



Richard C. Ledwith
Town Manager

Required Documents: ATESD Municipal Ordinance

ORDINANCE AUTHORIZING THE USE OF AUTOMATED TRAFFIC ENFORCEMENT SAFETY DEVICES

WHEREAS, high vehicle speeds have been identified as one of the leading causes of serious and fatal injuries in car crashes; and

WHEREAS, the Town seeks to improve the safety of its roadways, particularly in school zones, pedestrian safety zones, and other areas with heightened traffic risks; and

WHEREAS, on January 10, 2023, the Town Council adopted the Vision Zero Initiative in support of safe, healthy, and equitable mobility with the goal of eliminating fatalities and severe injuries on West Hartford streets; and

WHEREAS, speed safety cameras have been recognized as an effective countermeasure by the United States Federal Highway Administration and have been demonstrated to significantly reduce the occurrence and severity of car crashes, thereby enhancing road safety; and

WHEREAS, section 14-307c of the General Statutes authorizes the Town of West Hartford to implement automated traffic enforcement safety devices at designated locations, provided that the locations of such devices will be identified and subsequently submitted to and approved by the Connecticut Department of Transportation; and

WHEREAS, in furtherance of its Vision Zero Initiatives the Town wishes to adopt a traffic enforcement safety device program.

NOW, THEREFORE, BE IT ORDAINED BY THE TOWN COUNCIL OF WEST HARTFORD THAT:

Chapter 168, Part 2 of the Code of the Town of West Hartford is hereby amended by the addition of the following thereto:

Article VII Automated Traffic Enforcement Safety Devices

§ 168-37 **Definitions and interpretation.**
All terms used in this article shall be interpreted in accord with the definitions thereof set forth in C.G.S. Title 14, as that title may be amended or recodified from time to time, except that the following defined terms shall have the meaning indicated herein:

AUTOMATED TRAFFIC ENFORCEMENT SAFETY DEVICE

A device designed to detect and collect evidence of alleged traffic violations by recording images that capture the license plate number, date, time, and location of a motor vehicle that (i) exceeds the posted speed limit by ten (10) or more miles per hour, or (ii) fails to stop such vehicle when facing a steady red signal on a traffic control signal.

AUTOMATED TRAFFIC ENFORCEMENT SAFETY DEVICE OPERATOR
A person who is trained and certified to operate an automated traffic enforcement safety device.

PEDESTRIAN SAFETY ZONE
An area designated by the Office of State Traffic Administration or the local traffic authority of the Town pursuant to C.G.S. §14-307a.

PERSONALLY IDENTIFIABLE INFORMATION
Information created or maintained by the Town or a vendor that identifies or describes an owner and includes, but need not be limited to, the owner's address, telephone number, license plate number, photograph, bank account information, credit card number, debit card number, or the date, time, location, or direction of travel on a highway.

SCHOOL ZONE
An area designated by the Office of State Traffic Administration or the local traffic authority of the Town pursuant to C.G.S. §14-212b.

VENDOR
A person who provides services to the Town under this article and operates, maintains, leases, or licenses an automated traffic enforcement safety device; or is authorized to review and assemble the recorded images captured by an automated traffic enforcement safety device and forward such recorded images to the Town.

§ 168-38 **Contractual services.**
The Town may enter into agreements for contractual services, including vendors for the design, installation, operation, or maintenance of automated traffic enforcement safety devices. If a vendor designs, installs, operates, or maintains an automated traffic enforcement safety device, the vendor's fees may not be contingent on the number of citations issued or fines pursuant to this article.

§ 168-39 **Operation of automated traffic enforcement safety devices.**
An automated traffic enforcement safety device operator shall operate all automated traffic enforcement safety devices.

§ 168-40 **Violation.**

A. The owner of a motor vehicle violates this ordinance if the person operating such motor vehicle:

    1. Exceeds the posted speed limit by ten or more miles per hour, and such operation is detected by an automated traffic enforcement safety device; or

2. Fails to stop such motor vehicle when facing a steady red signal on a traffic control signal and such failure is detected by an automated traffic enforcement safety device.

B. Automated traffic enforcement safety devices shall be used solely to identify violations of this article.

C. For the first thirty days after a location is equipped with an operational automated traffic enforcement safety device, the owner of a motor vehicle allegedly committing a violation of such ordinance that is detected by such device shall receive a written warning instead of a citation.

§ 168-41 **Penalty for violation.**

A. Whenever an automated traffic enforcement safety device detects and produces recorded images of a motor vehicle allegedly violating this ordinance, a sworn officer of the police department or an employee of the Town as designated by the local traffic authority shall review and approve the recorded images provided by such device. If, after such review, the member or employee determines that there are reasonable grounds to believe that a violation occurred, the member or employee may issue a citation to the owner of such motor vehicle by first class mail.

B. A citation under this article shall include the following:

1. The name and address of the owner of the motor vehicle;
2. The number plate of the motor vehicle;
3. The violation charged;
4. The location of the automated traffic enforcement safety device and the date and time of the violation;
5. A copy of or information on how to view, through electronic means, the recorded images that captured the alleged violation;
6. A statement or electronically generated affirmation by the member or employee who viewed the recorded images and determined that a violation occurred;
7. Verification that the automated traffic enforcement safety device was operating correctly at the time of the alleged violation and the date of the most recent calibration check performed pursuant to the Public Act;
8. The amount of the fine imposed and how to pay such fine; and
9. The right to contest the violation and request a hearing pursuant to C.G.S. § 7-152c.

C. In the case of an alleged violation involving a motor vehicle registered in Connecticut, the citation shall be sent by first-class mail not later than thirty days after the identity of the owner is determined and shall be mailed to the address of the owner that is in the records of the Department of Motor Vehicles. In the case of an alleged violation

involving a motor vehicle registered in another jurisdiction, the citation shall be sent by first-class mail not later than thirty days after the identity of the owner is determined and shall be mailed to the address of the owner that is in the records of the official in the other jurisdiction issuing such registration.

D. A citation shall be invalid unless mailed to an owner not later than sixty days after the alleged violation.

§ 168-42 **Fine for violation.**

A. The Town shall impose a fine on the owner of a motor vehicle that violates this ordinance.

B. The fine for a first violation of this ordinance shall be fifty dollars. The fine for each subsequent violation of this article shall be seventy-five dollars.

C. Payment of a fine and any associated fees may be made by electronic means, with a reasonable processing fee, not to exceed fifteen dollars, imposed for the costs associated with the electronic processing.

D. Any funds received by the Town from fines imposed pursuant to this ordinance shall be used for the purposes of improving transportation mobility, investing in transportation infrastructure improvements, or paying the costs associated with the use of automated traffic enforcement safety devices in the Town.

§ 168-43 **Appeal.**

Any owner issued a fine for violating the provisions of this article may, within ten days of the receipt of the fine, appeal in writing to a citation hearing officer in accordance with Section 1-10 of the Town Code.

§ 168-44 **Defenses.**

The defenses available to the owner of a motor vehicle that is alleged to have committed a violation of this article shall include any one or more of the following:

A. The operator was driving an emergency vehicle in accordance with the applicable provisions of C.G.S. § 14-283.

B. The traffic control signal was inoperative, which is observable in the recorded image(s).

C. The violation was necessary for the operator to comply with an order or direction from a law enforcement officer, which is observable in the recorded image(s).

D. The violation was necessary to allow the passage of an authorized emergency vehicle, which is observable on the recorded image(s).

E. The violation took place during a period of time in which the motor vehicle had been reported as being stolen to law enforcement, as defined in C.G.S. §7-294a, and had not yet been recovered prior to the time of the violation.

F. The automated traffic enforcement safety device was not in compliance with the calibration check required pursuant to the applicable provisions of C.G.S. § 14-307c, as amended or recodified from time to time.

§ 168-45 **Disclosure of personally identifiable information.**

A. Except as otherwise required by law, no personally identifiable information shall be disclosed by the Town or a vendor to any person or entity, including any law enforcement unit, except where the disclosure is made in connection with the charging, collection, and enforcement of the fines imposed pursuant to this ordinance.

B. No personally identifiable information shall be stored or retained by the Town or a vendor unless such information is necessary for the charging, collection, and enforcement of the fines imposed pursuant to this article.

C. The Town or vendor shall destroy personally identifiable information and other data that specifically identifies a motor vehicle and relates to a violation of this ordinance not later than thirty days after any fine is collected or the resolution of a hearing conducted for the alleged commission of such violation, whichever is later, except the Town or vendor may retain a portion of personally identifiable information for the limited purpose of determining whether a person committed a second or subsequent violation of such ordinance. The Town or vendor shall destroy any retained portion of personally identifiable information not later than one year after the date of such person's most recent violation.

§ 168-46 **Severability and state supremacy.**

If any section, subsection, sentence, clause, or phrase of this article is for any reason held to be invalid or unconstitutional by any decision of any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this article. In the event that any provision of this ordinance conflicts with or is inconsistent with the requirements of chapter 249 of the general statutes, the applicable state law shall govern and supersede the conflicting provision.

(LEDWITH)
March 11, 2025

I certify this to be a true copy of a resolution
adopted by the Town Council of West Hartford
on April 8, 2025 which remains unchanged
and in effect as of this date April 28, 2025

Leon S. Davidoff

Town Clerk

TOWN OF WEST HARTFORD SEAL CONNECTICUT

Required Documents: Plan Approval Public Hearing Notice and Meeting Minutes

Hartford Courant media group

AFFIDAVIT OF PUBLICATION

Sold To
Town of West Hartford Town Council - CU00254258
50 South Main Street, Rm 313
West Hartford,CT 06107-2485

Bill To
Town of West Hartford Town Council - CU00254258
50 South Main Street, Rm 313
West Hartford,CT 06107-2485

State of Connecticut

December 08, 2025

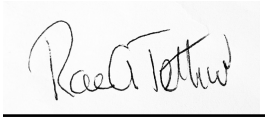
County of Hartford

Order No: 7903082
$74.84

I, Rae Tetlow, do solemnly swear that I am a representative of the Hartford Courant, printed and published daily, in the state of Connecticut and that from my own personal knowledge and reference to the files of said publication the advertisement of Public Notices was inserted in the regular edition.

On Dates as Follows:

Dec 05, 2025

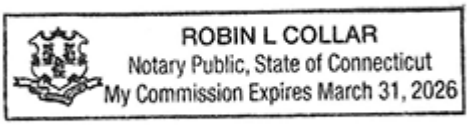


Rae Tetlow, Representative,

Subscribed and sworn before me on December 08, 2025



Notary Public



Name of Notary, Typed, Printed, or Stamped

Hartford Courant
media group

LEGAL NOTICE
TOWN OF WEST HARTFORD

The West Hartford Town Council will hold a public hearing on December 17, 2025 at 6:30 pm, in the Legislative Chamber, Room 314, Town Hall, 50 South Main Street, West Hartford, Connecticut, on a Resolution Directing the Town Manager to Submit an Automated Traffic Enforcement Safety Device Plan to the Connecticut Department of Transportation for Approval

A Complete copy of the Resolution is on file and open to public inspection in the Office of the Town Clerk/Council Clerk, Room 312, Town Hall, 50 South Main Street, West Hartford, Connecticut. All interested persons are invited to attend to be heard.

***

Leon S. Davidoff, Town Clerk/Council Clerk

Anyone requiring auxiliary aid or service for effective communication or modification of policies or procedures to participate in a meeting, service, program or activity of the Town of West Hartford, should contact Suzanne Oslander, ADA Coordinator, at suzanneo@westhartfordct.gov or (860) 561-7580, as soon as possible, preferably seven days beforehand.
12/5/2025 7903082

Order # - 7903082

West Hartford Town Council Meeting Minutes
50 South Main Street Legislative Chambers - Room 314
Wednesday, December 17, 2025 at 7:30 PM

1. Call to Order

The meeting was called to order at 7:48 PM

Present: Mayor Cantor, Harris, Lyons, Lazarus, McGinnis, Deputy Mayor Polun, Walters, Wang and Wenograd

2. Proclamations

A. Proclamations

NONE

3. Public Forum

NONE

4. Consent Calendar

A. Consent Calendar
Items Proposed for Consent: 5A, 5B, 5C, 7I, 7J, 7K, 7L, 7M, 7N, 7O, 7P, 7Q, 7R, 7S, 7T, 7U, 10A, 10B

Without Objection, Motion to Place Items 5A through 5C, 7I through 7U, 10A and 10B on the Consent Calendar (Polun)
MOTION CARRIES (9 YEA, 0 NAY)

Motion to Adopt the Consent Calendar (Polun)
Second (McGinnis)
MOTION CARRIES (9 YEA, 0 NAY)

5. Approval of Minutes

A. Public Hearing Minutes November 12, 2025 - Ordinance Concerning the Senior Citizens Advisory Commission
Proposed Action: Motion to Approve

CONSENT

B. Town Council Meeting Minutes November 12, 2025
Proposed Action: Motion to Approve

CONSENT

C. Town Council Meeting Minutes November 18, 2025
Proposed Action: Motion to Approve

CONSENT

6. Unfinished Business

A. Resolution Directing the Town Manager to Submit an Automated Traffic Enforcement Safety Device Plan to the Connecticut Department of Transportation for Approval
Proposed Action: Motion to Adopt

Motion to Adopt (Polun)
Second (McGinnis)
MOTION CARRIES (9 YEA, 0 NAY)

B. Application of Bishops Plaza, LLC, owner of 2550 Albany Avenue, for an amendment to existing Special Development District (SDD) #10, more commonly known as Bishop Plaza. The application seeks to amend the approved plan by proposing regarding, drainage and landscaping modifications along the western property boundary in order to facilitate proposed changes to the adjacent Special Development District #23 at 2558 Albany Avenue.
Proposed Action: Motion to Receive Request to Withdraw by Applicant

Without Objection, Motion to Recieve the Applicants Request to Withdraw the Application (Polun)
MOTION CARRIES (9 YEA, 0 NAY)

C. Application of 2558 Albany Avenue, LLC, owner of 2558 Albany Avenue, for an amendment to existing Special Development District (SDD) #23. The application seeks to amend the approved plan by demolishing the existing building, removing existing vegetation and regrading entirety of the site for future development opportunity.

Motion to Approve, Subject to Conditions (Polun)
Second (McGinnis)
MOTION CARRIES (9 YEA, 0 NAY)

7. New Business

A. Application of Honeycomb Real Estate Partners, LLC requesting a rezoning of approximately 2.49 acres at 230 Newington Road from a R-6 One-family Residence District zone and IG, General Industrial District zone, to RM-1 Multifamily Residence District zone with a Special Development District (SDD) overlay for the redevelopment of the site into a new 54-unit, 100 percent for-sale affordable housing, multifamily residential community consisting of six (6) two-story buildings, along with associated parking areas, storm drainage infrastructure and landscaping. The development will qualify as "assisted housing" under General Statues Section 8-30g.
Proposed Action: Refer to Town Plan and Zoning Commission (TPZ), Design Review Advisory Commission (DRAC), Capitol Region Council of Governments (CRCOG), for their required review, the Town of Newington and set for Public Hearing

Without Objection, Motion to Receive and Refer to Town Plan and Zoning Commission (TPZ), Design Review Advisory Commission (DRAC), Capitol Region Council for Governments (CRCOG), and the Town of Newington for their required review and to set for Public Heraing on January 27, 2026 at 6:45pm
MOTION CARRIES (9 YEA, 0 NAY)

B. Ordinance Permitting Recreational Vehicles As an Accessory Use in Existing Single-Family Residence Districts -Application of Michael Cervone seeking to Section 177-2 and Section 177-6 C of the West Hartford Zoning Ordinances.
Proposed Action: Refer to Town Plan and Zoning Commission (TPZ), Capitol Region Council of Governments (CRCOG) for their required review and set for Public Hearing

Without Objection, Motion to Receive and Refer to Town Plan and Zoning Commission (TPZ) and Capitol Region Council for Governments (CRCOG) their required review and to set for Public Heraing on January 27, 2026 at 6:30pm
MOTION CARRIES (9 YEA, 0 NAY)

C. Resolution Accepting Donations to Support Programs and Activities for America's 250 Commemoration
Proposed Action: Motion to Adopt

Motion to Adopt (Polun)
Second (McGinnis)
MOTION CARRIES (9 YEA, 0 NAY)

D. Resolution Appropriating a Grant Awarded by the Connecticut Education Network to Expand Library Wi-Fi Services
Proposed Action: Motion to Adopt

Motion to Adopt (Polun)
Second (McGinnis)
MOTION CARRIES (9 YEA, 0 NAY)

E. Resolution Authorizing the Town Manager to Participate in the American Association of Retired Persons Network of Age-Friendly Communities
Proposed Action: Motion to Adopt

Motion to Adopt (Polun)
Second (McGinnis)
MOTION CARRIES (9 YEA, 0 NAY)

F. Resolution Appropriating Grant Funds Awarded by the Connecticut Department of Transportation's Highway Safety Office under the Federal Highway Safety Program for the Purpose of Comprehensive DUI Enforcement
Proposed Action: Motion to Adopt

Motion to Adopt (Polun)
Second (McGinnis)
MOTION CARRIES (9 YEA, 0 NAY)

G. Resolution Amending the Fiscal Year 2024-2025 General Fund Budget to Fund Transfers to the Capital Non-Recurring Expenditure Fund, the Risk Management Fund,

the Utility Services Fund and to Accrue for Expenditures Related to Tax Assessment Appeals and Contract Settlements
Proposed Action: Motion to Adopt

Motion to Adopt (Polun)
Second (McGinnis)
MOTION CARRIES (9 YEA, 0 NAY)

H. Resolution Appointing Dallas C. Dodge as Corporation Counsel
Proposed Action: Motion to Adopt

Motion to Adopt (Polun)
Second (McGinnis)
MOTION CARRIES (9 YEA, 0 NAY)

I. Appointment of Jacob Keroack as an Alternate Member of the Fair Rent Commission for a term to expire December 31, 2026 and Appointment of Gregory Konover as an Alternate Member of the Fair Rent Commission for a term to expire December 31, 2027 and Appointment of Alberto Cortes as an Alternate Member of the Fair Rent Commission for a term to expire December 31, 2028
Proposed Action: Motion to Approve

CONSENT

J. Appointment of Olaleye Onikuyide as an Alternate Member of the Town Plan and Zoning Commission for a term to expire December 31, 2027 and Reappointment of Andrea Gomes as a Member of the Town Plan and Zoning Commission for a term to expire December 31, 2030
Proposed Action: Motion to Approve

CONSENT

K. Appointment of Joseph Viola as a Member of the Senior Citizens Advisory Commission for a term to expire December 31, 2027 and Reappointment of Mary Silverberg as a Member of the Senior Citizens Advisory Commission for a term to expire December 31, 2028
Proposed Action: Motion to Approve

CONSENT

L. Reappointment of Matthew Horowitz and Steve Adler as Members of the Civilian Police Review Board for a term to expire December 31, 2028 and Reappointment of Will Thompson III as an Alternate Member of the Civilian Police Review Board for a term to expire December 31, 2028
Proposed Action: Motion to Approve

CONSENT

M. Reappointment of John Harris as a Member of the Zoning Board of Appeals for a term to expire December 31, 2030 and Reappointment of Nolan Robinson as an Alternate Member of the Zoning Board of Appeals for a term to expire December 31, 2030
Proposed Action: Motion to Approve

CONSENT

N. Reappointment of Cara Paiuk, Nancy Gierlich, Chris Timmel and Lisa Karam as Members of the Parks and Recreation Advisory Board for a term to expire December 31, 2028
Proposed Action: Motion to Approve

CONSENT

O. Reappointment of Elizabeth Pang and Jenna McClure as Members of the Design Review Advisory Committee for a term to expire December 31, 2028
Proposed Action: Motion to Approve

CONSENT

P. Reappointment of Kathleen Bond and Heather Bohn as Members of the West Hartford Prevention Council for a term to expire December 31, 2028
Proposed Action: Motion to Approve

CONSENT

Q. Reappointment of Inga Bowes and Rolf Knoll as Members of the Commission on Veterans' Affairs for a term to expire December 31, 2028
Proposed Action: Motion to Approve

CONSENT

R. Reappointment of Dylan Healy as a Member of the Commission on the Arts for a term to expire December 31, 2028
Proposed Action: Motion to Approve

CONSENT

S. Reappointment of Dave Sagers and Ally Schoenhorn as Members of the Sustainable West Hartford Commission for a term to expire December 31, 2028
Proposed Action: Motion to Approve

CONSENT

T. Reappointment of Rick Bush as a Member of the Metropolitan District Commission for a term to expire December 31, 2031
Proposed Action: Motion to Approve

CONSENT

U. Appointment of Mario Volpe as a Town Council Zoning Alternate for a term to expire December 31, 2028
Proposed Action: Motion to Approve

CONSENT

8. Reports of Town Manager

A. Town Manager's Report

Town Manager Richard Ledwith presented his report to the Council.

9. Reports of Corporation Counsel

A. Corporation Counsel's Report

NONE

10. Communications

A. Communication from Kathryn Lance resigning from the Human Rights Commission effective November 5, 2025
Proposed Action: Motion to Receive

CONSENT

B. Communication from Kimberly Hughes resigning from the Sustainable West Hartford Commission effective December 31, 2025
Proposed Action: Motion to Receive

CONSENT

11. Announcements

A. Announcements

Mayor Cantor and Councilors announced upcoming events and information.

12. Adjournment

A. Adjourn

Without Objection, Motion to Adjourn (Cantor)
MOTION CARRIES (9 YEA, 0 NAY)

The meeting adjourned at 9:14 PM.

I certify this to be a true copy of the Town of West Hartford Town Council Meeting Minutes for December 17, 2025 which remain unchanged and in effect as of this date January 5, 2026

Leon S. Davidoff

Town Clerk



WEST HARTFORD, CONNECTICUT, TOWN COUNCIL
PUBLIC HEARING

RESOLUTION DIRECTING THE TOWN MANAGER TO SUBMIT AN AUTOMATED TRAFFIC ENFORCEMENT SAFETY DEVICE PLAN TO THE CONNECTICUT DEPARTMENT OF TRANSPORTATION FOR APPROVAL

DATE: DECEMBER 17, 2025

TIME: 6:30 P.M.

PLACE: WEST HARTFORD TOWN COUNCIL 50 SOUTH MAIN STREET
WEST HARTFORD, CT 06107

I certify this to be a true copy of a resolution adopted by the Town Council of West Hartford on December 17, 2025 which remains unchanged and in effect as of this date January 5, 2026.

Town Clerk

SEAL

REPORTER: ALEXA A. BUDIHAS, RPR/CRR

A P P E A R A N C E S

WEST HARTFORD, CONNECTICUT, TOWN COUNCIL MEMBERS:
MAYOR SHARI CANTOR
DEPUTY MAYOR DEBRA POLUN
MINORITY LEADER JOHN LYONS
TOWN COUNCILOR DR. GAYLE HARRIS
TOWN COUNCILOR LISA LAZARUS
TOWN COUNCILOR TIFFANI McGINNIS
TOWN COUNCILOR BARRY WALTERS
TOWN COUNCILOR DR. JASON WANG
TOWN COUNCILOR BEN WENOGRAD
TOWN MANAGER RICK LEDWITH
TOWN CLERK LEON S. DAVIDOFF

DEPUTY CORPORATION COUNSEL GINA VARANO

REPRESENTING THE WEST HARTFORD DEPARTMENT OF COMMUNITY DEVELOPMENT-ENGINEERING:

WEST HARTFORD DEPARTMENT OF COMMUNITY
DEVELOPMENT-ENGINEERING
50 SOUTH MAIN STREET
ROOM 204
WEST HARTFORD, CT 06107

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P R O C E E D I N G S

(The proceedings began at 6:34 p.m.)

MAYOR CANTOR: All right. I am calling the 6:30 public hearing to order. This is a Resolution Directing the Town Manager to Submit an Automated Traffic Enforcement Safety Device Plan to the Connecticut Department of Transportation for Approval.

And we will begin by roll call.

TOWN CLERK DAVIDOFF: Good evening, Madam Mayor.

06:34:35PM

MAYOR CANTOR: Good evening.

TOWN CLERK DAVIDOFF: Mayor Cantor.

MAYOR CANTOR: Here.

TOWN CLERK DAVIDOFF: Councilor Harris.

DR. HARRIS: Here.

TOWN CLERK DAVIDOFF: Councilor Lazarus.

MS. LAZARUS: Here.

TOWN CLERK DAVIDOFF: Councilor Lyons.

MR. LYONS: Here.

TOWN CLERK DAVIDOFF: Councilor McGinnis.

06:34:43PM

MS. McGINNIS: Here.

TOWN CLERK DAVIDOFF: Deputy Mayor Polun.

DEPUTY MAYOR POLUN: Here.

TOWN CLERK DAVIDOFF: Councilor Walters.

MR. WALTERS: Here.

TOWN CLERK DAVIDOFF: Councilor Wang.
DR. WANG: Here.
TOWN CLERK DAVIDOFF: Councilor Wenograd.
MR. WENOGRAD: Present.
TOWN CLERK DAVIDOFF: All present.
MAYOR CANTOR: Wow. Three Ws.
Thank you, Mr. Davidoff.
All right. We will begin with the presentation. Mr. Ledwith?
TOWN MANAGER LEDWITH: Thank you, Madam
06:35:05PM
Mayor.
Good evening, everyone, members of the town council, colleagues, residents of West Hartford. For the record, I'm Rick Ledwith, Town Manager. Tonight's public hearing concerns a resolution directing the Town Manager to submit the Town's Automated Traffic Enforcement Safety Device Plan to the State of Connecticut and Federal Highway Administration for their review and approval.
We appreciate the Council's consideration of
06:35:27PM
this matter and the continued engagement of our residents through this process.
This program is a direct extension of the Town's Vision Zero commitment, our shared goal to eliminate all traffic-related fatalities and serious

injuries by focusing on safer streets, safer speeds, and safer behaviors. Excessive speed remains one of the most consistent factors in serious crashes, and addressing it is a necessary component of protecting pedestrians, cyclists, and drivers alike, particularly from areas with a history of speeding and crashes.

Importantly, this plan reflects extensive public input. Prior to bringing this resolution forward, the Town hosted two public information sessions to explain the program and outline where and

06:36:18PM

how the cameras would be used and hear questions and concerns from residents.

This program has been before our Community Planning and Economic Development Committee a couple of times, which has helped shape the framework before you this evening. That feedback has reinforced the importance of transparency and an emphasis on safety rather than revenue.

So, as a quick introduction, I want to introduce our project team with us this evening. So,

06:36:50PM

we have our assistant police chief, ACT as we like to refer to him. Chief Riddick is running a civilian police review board across the parking lot. But the police has been -- police have been actively involved all the way through this process.

We have our Director of Community development, Duane Martin; we have our engineer assigned to the project and all Vision Zero projects, Parker Sorenson; and then we have our consultant, Dan Amstutz from VHB, who have been involved from the get-go as well; and we have our town engineer, Greg Sommer, who's watching from home but very much a part of what we have been doing.

And together, we've been working for the better part of a year to develop a comprehensive and

06:37:37PM

thoughtful plan to improve traffic safety here in West Hartford.

So, why speed management cameras? High vehicle speeds pose a serious risk to pedestrians, cyclists, and drivers alike. The data is clear. Speed is a leading factor in fatal and serious injury crashes. West Hartford is committed to the principle that traffic deaths and serious injuries are unacceptable and preventable. That's why we're proposing the implementation of a Speed Camera

06:38:14PM

Management Program as part of our Vision Zero strategy.

Studies show that automated enforcement can reduce fatal and serious injury crashes by up to 40% and significantly decrease excessive speeding. These devices are proven tools to encourage safer driving

behavior.

So, in terms of program overview, the foundation of this initiative is House Bill 5917, which was signed into law in June of 2023, which authorizes the use of speed and red light running cameras in specific locations: traffic signals, school zones, pedestrian safety zones, as well as other designated areas.

These devices will record violations, capturing license plate data, time, date, and location.

06:39:07PM

And thanks to the Federal Safe Streets and Roads for All grant, West Hartford will launch an 18-month pilot program with speed management cameras at approximately 15 locations starting in mid-2026.

Additionally, we've secured a second Safe Streets For All grant which will support an 18-month pilot program for an Automated Red Light Enforcement program. The grant has been executed, and the project begins soon for the red light running program, but that will be subject to the same process we just went

06:39:51PM

through with the speed enforcement cameras. So, that will include public meetings as well as adopting the resolution similar to what we hope to do this evening.

Requirements for implementation was the -- starts with the town ordinance. And you'll recall that

we adopted that ordinance back in April of 2025, which included a public hearing. The Automated Traffic Enforcement Safety Device Plan will include a public hearing, which is happening this evening, approval from the town council following the public hearing later this evening, and then we will send it off to review and approval by the Connecticut Department of Transportation, Office of the State Traffic Administration, and then ultimately off to -- as we've discussed, it is a federal grant, so we will require

06:40:41PM

Federal Highway Administration approval and the National Environmental Policy Act documentation.

As I mentioned, the town council adopted this ordinance allowing the use of ATESDs on April 8th, consistent with the requirements of the state law. And the ordinance, as I said, permits the use of both speed management cameras and red light running cameras.

As we discussed during that process back in April, violations covered under the ordinance would include speeds in excess of ten miles per hour or more

06:41:17PM

over the speed limit or failure to stop at a steady red traffic signal when we get to our red light program. Violations are municipal citations issued to the owner of the vehicle, not the driver, so very similar to parking tickets.

And per state law, citations are not a moving violation and is not reflected on a driver's driving record. In terms of the review process, a West Hartford Police Department sworn officer or a town employee designated by the local traffic authority will review and approve recorded images before issuing citations. Fines would involve $50 for the first violation and $75 for each subsequent violation within one year.

A 30-day warning period will be in place
06:42:15PM
before fines are issued for each camera location. So, for example, we expect this program to go live sometime in mid-2026. We would roll the program out 30 days in advance of going live in terms of issuing violations, and we would notify the public that we were doing that, and we would be issuing warnings during that 30-day period.

Online payment options will be available, and there will be a processing fee not to exceed $15 associated with each ticket. Citations are mailed to
06:42:48PM
the vehicle owner's address that is on record at the Department of Motor Vehicles no later than 30 days after the vehicle's owner has been determined.

In the case of motor vehicles registered in another state, the citations are mailed within the same

time period and to the vehicle owner's address on the registration records of that state. Vehicle owners may appeal the fine within ten days of receipt of the citation.

We'll talk a little bit about the use of the funds. And as required by state law, funds collected from fines will be invested directly back into the West Hartford community by supporting transportation safety and mobility improvements, infrastructure enhancements, and then any costs associated with the automated

06:43:41PM

enforcement program, so essentially everything Vision Zero related. We expect to be using the funds to support our Vision Zero efforts as we move through the next several years.

Vendor fees for installation, operation, or maintenance of the ATESD cannot be contingent on the number of citations issued or fines paid. So, this is not an opportunity to issue as many speeding tickets as possible to potentially increase the revenue that a vendor may receive. Again, we'll talk about the

06:44:19PM

citations and violations and the ticketing process. But what is most important to us is improving the safety within our community.

So, we'll talk a little bit about privacy now. And I'll read through these bullets really

quickly because I do think it's very important to discuss this in a little bit of detail.

So, no personally identifiable information shall be disclosed by the Town or a vendor to any person or entity, including any law enforcement unit, except where disclosure is made in connection with charging, collection, and enforcement of the fines. No personally identifiable information shall be stored or retained by the Town or a vendor unless the information is necessary for the charging, collection, and

06:45:11PM

enforcement of the fines.

The Town or vendor shall destroy any personally identifiable information and other data that specifically identifies a motor vehicle and relates to a violation of the ordinance not later than 30 days after any fine is collected or the resolution of an appeal hearing, whichever is later.

The Town or vendor may retain the portion of personally identifiable information for the limited purpose of determining whether a person committed a

06:45:43PM

second or subsequent violation of the ordinance. The Town or vendor shall destroy any retained portion of personally identifiable information not later than one year after the date of such person's most recent violation.

So, the information obtained through this process can only be used to enforce the speeding violation. It can't be shared with anyone else, can only be used by us and the police department for enforcement of the speeding violation.

So, there are reporting requirements associated with this program and --

MAYOR CANTOR: I think you lost your mic.

TOWN MANAGER LEDWITH: Oh. Thank you so much. State law and the Safe Streets for All Grant
06:46:35PM
agreement both require reporting to measure effectiveness of ATESDs. We have to report the number of violations, crash data at each ATESD site, and similar location without ATESD. We have to report the number of hearings requested and the results of those hearings. And we will disclose the amount of revenue from fines and fees as well as the percentage of fines collected from residents and nonresidents. We will report the cost to the Town of West Hartford to use this particular program, and then we will also list all
06:47:14PM
engineering and educational measures undertaken by the town to improve safety town-wide.

State law does require signs at each of our camera locations. We are also required to notify navigation applications, so we will let Google Maps

know and Waze know and Apple Maps, et cetera. And as I mentioned before, we're required to implement an awareness campaign 30 days prior to camera operations. And the devices are recalibrated annually for accuracy, and that information on the calibration will be posted on our website at each location.

So, this, as we've discussed, is an 18-month pilot program, and the ATESD vendor construct will likely include an option to extend the camera -- Speed Management Camera Program by an additional 18 months

06:48:21PM

for a total of three years if it is approved -- if safety is improved. I'm sorry.

And per State Law 14-307e, an ATESD plan is only valid for three years from the date the first device became operational. Continuing the program beyond three years will require the renewal of the ATESD plan as well as a new public hearing and a new approval by the town council.

So, we've talked a little bit about the development process, which I know folks are aware of as

06:49:02PM

well. So, we did conduct -- our engineering team and consulting team conducted a town-wide analysis to determine the locations for our 15 cameras. We have identified 20 locations. We will submit our plan to the State and to the Federal Highway Administration

with those 20 -- 15 locations plus an additional 5. In case one of those 15, for whatever reason, is rejected by the State, we have a backup for that site.

We held two public information meetings. One was on July 30th of 2025. The second was September 3rd of 2025. And we -- at the July 30th presentation, we presented information about our desire to move forward with this plan as well as sought information from the public in terms of where our residents would like to see these cameras. And then in the September 3rd

06:50:02PM

meeting, we actually provided an update to the community with where we had been kind of -- honed in on finalized locations for our plan.

Since then, we have finalized all 15 locations, as I said, and we developed our plan, which has been online now for the last few weeks. And we will, pending council approval, submit that plan, as I said, to the State and to the Federal Highway Administration within the next couple of weeks.

So, I went ahead and skipped through and

06:50:41PM

talked through all of those meetings already, being efficient. And at this point, I would like to turn things over to Dan from VHB. And Dan will take us through the last third of tonight's public hearing presentation. Thank you.

MR. AMSTUTZ: Good evening. Thank you, Town Manager. My name is Daniel Amstutz. I'm from the consulting firm VHB. We've been helping the Town to determine the locations. We put together the ATESD plan for the Town and did a lot of data crunching. So, I'm just going to go over just a couple of slides talking about how we developed the locations that are on the ATESD plan.

So, you can see from the map here, we started by looking at all of the roads in West Hartford. We

06:51:33PM

got data from the State, from the Town, as well, and put this into a map to understand the best places to put these speed management cameras, looking at different data points such as speeding-related crashes, which is particularly important for the State; the traffic volume along those roads; we got data from the police department on where they're already giving out speeding violations and put those on the map and put those as part of our process as well; the town speed data, where people are already speeding, that was

06:52:07PM

collected over the course of the year; places where there's vulnerable road users, such as pedestrians, bicyclists, school children -- so, the school zones around schools, pedestrian areas, Vision Zero focus as well; and as was talked about during public meetings,

the public input and questions that we received from the public, not just public meetings but also through the Vision Zero email address.

And what I want to get across, or the message is that since this is a very data-intensive process and very data driven, so we were able to use this data to zero in on locations where the speed cameras would really be effective in reducing speeding through the town.

And this map shows the locations where we

06:52:54PM

chose the corridors which we are looking at for where the speed cameras could go, and then the little icons that have a little camera on them show where we chose where the speed cameras should go within that corridor, trying to look at the best location based on the topography and so on.

But there are -- as the town manager mentioned, there are 15 primary locations and 5 alternate locations, so there's 20 locations in total that is in the ATESD plan, the idea being to give the

06:53:31PM

Town flexibility in case one of the top 15 -- or the main 15 locations is deemed infeasible by the vendor once we get to that point. There may be some issue with cellular service or, again, topography or other context-based reasons why one of the red locations may

not work.

But the intent is to put the cameras for this pilot at 15 of these locations, mainly starting with the red ones. And then just also there would be -- again, these would be bidirectional cameras, so there'd be two at each location, one, you know, going each direction. And we'll show that on the next couple slides what is actually within the plan itself.

So, this is just a brief overview of what is in the plan. As mentioned, the full ATESD plan is on

06:54:24PM

the website. The -- it starts, you know, with the cover sheet and also goes -- has the ordinance as well as the Vision Zero Plan as part of it.

But for each of the locations themselves, we provide data that is, again, required by the State as part of their approval process, looking at things such as the speed of the roadway, the traffic data, the daily traffic, the people that are going over the speed limit; as well as the data from the Town is very important, looking at the land use context around it

06:55:02PM

that would make it, you know, have an impact such as if there was a school or a park nearby; and also the police citation data for each of the locations.

You can see on the right side that there is also the speeding-related crashes. We provided

information to the State, as well, for their review.

And for each location, we do have the images showing where the approximate location of the speed cameras would go. You know, they're post-mounted, would be facing, you know, the direction of traffic to view the license plate on the back of the person's vehicle if they're traveling by the speed camera. So, this just gives you an idea of, you know, the concept of where they would go.

And this, the final piece of the concept

06:55:55PM

plan, where we show -- again, trying to not pinpoint the engineering detail but very close on where these would go within the corridor itself. And also, an important point is that there would be signage, there would be notification for each of the cameras. We have two signs approaching each of the cameras, one, you know, like, has a speed limit but also has the picture -- you know, has the sign, it has the camera on it; and then another one as we get closer to the camera, so that as you're approaching, you know exactly

06:56:26PM

where they are so there's no surprise there.

But these -- so, we provided these for each of the locations. Again, there's the 20 that we have within the plan, so that, again, you have flexibility as part of the placement of the cameras.

That's all I have. Thank you very much.

TOWN MANAGER LEDWITH: Thank you, Dan. And this, as I hope you will agree, is a -- represents a significant step in the direction of really changing the way we move through our community safer. And we believe we'll start the process if -- we have started it under Vision Zero and the engineering changes that we've made town-wide but starting to change the culture of how drivers move through our community.

And this, in addition to our red light camera

06:57:23PM

program that we will present to the council later in 2026, we believe will get us there and help make our community safer for everyone.

So, through you, Madam Mayor, we are happy to answer any questions that the council has or suggestions, and we'll take it from there. Our team is prepared to answer your questions. Thank you.

MAYOR CANTOR: Okay. Thank you very much. Thank you all for being here. I appreciate all the work that you have done to bring us to this point. And

06:57:57PM

it's been a -- it's been a lot of work, effort, a lot of collection of data, a lot of coordination. And we really appreciate all the hard work that you have done.

And, Rick -- Mr. Ledwith, thank you so much for your leadership on this. This has been -- again,

it's been a long process, and we're really glad to be at this point right now.

So, I'm going to open it up to actually Tiffani because -- Ms. McGinnis -- why am I on a first-name tonight? I don't know -- Ms. McGinnis to -- this has often been discussed in her committee but not the only committee.

MS. McGINNIS: Thank you. And thank you, Rick, for the presentation, and thank you for the presentation.

06:58:46PM

I had a couple of questions. So, a violation within a one-year period, it would be a second violation if you get one during the one-year period? That's -- is that how that works?

TOWN MANAGER LEDWITH: Yes. Through you, Madam Mayor, to Council McGinnis' question, it would be -- so, if you receive a violation on -- say the camera goes live on July 1st and you receive another one on September 1st, you would receive the higher amount violation.

06:59:19PM

MS. McGINNIS: Okay. So, it starts over -- if it was July 1st that you got the first one, then it would start over June 30th? Is that --

TOWN MANAGER LEDWITH: Yeah. I believe that's --

MS. McGINNIS: -- how that works?
TOWN MANAGER LEDWITH: Parker? Thank you.
MR. SORENSON: Yes. So, through you, Madam Mayor. So, yeah, essentially if you go a year without getting one --
MS. McGINNIS: Getting one.
MR. SORENSON: -- you're reset.
MS. McGINNIS: Okay.
MR. SORENSON: And we'll delete the data and we won't even have any record of that violation in a
06:59:45PM
year.
MS. McGINNIS: Okay. And then my second question -- you talked about the reporting that we have to do. What is the time frame of that? Is it quarterly? Is it monthly? How do we have to report that?
MR. SORENSON: Yeah. So, through you, Madam Mayor. So, yeah, we have a couple reporting requirements. So, through the State, it's mostly annual reporting as required by state law.
07:00:07PM
MS. McGINNIS: Okay.
MR. SORENSON: We also have reporting requirements through the federal grant, so they may be at different intervals just based on kind of the grant calendar.

MS. McGINNIS: Okay.

MR. SORENSON: And I will say I think -- you know, I think every intention certainly to potentially talk about reporting in addition to that, to the extent possible.

MS. McGINNIS: Okay. And finally, do we have -- do we know -- we've talked about it in the past, the time frame for the approval. Like, do we know if that's ready from the federal government?

MR. SORENSON: Yeah. So, through you, Madam Mayor. The -- so, as Rick mentioned, the -- we have two approvals really necessary, the State through the Office of the State Traffic Administration -- they actually are, through Connecticut law, bound to I think a 30-day clock and once they give us comments back that the clock is paused, but that's essentially the time frame for them.

07:00:43PM

Through the Federal Highway Administration -- actually, the approval process is through the NEPA documentation. So, a lot of that's already been completed from the VHB team, and we've already been in communication with the Federal Highway Administration on that. And we've actually just received communication this week, so we're hopeful that within that 30-day period from Federal Highway, but we'll see.

07:01:13PM

But in general, we will have it then.

MS. McGINNIS: Okay. Okay. Thank you very much.

MAYOR CANTOR: Thank you, Ms. McGinnis. Ms. Lazarus?

MS. LAZARUS: Thank you, Madam Mayor. Through you, I had a question about the 15 locations. Was consideration made for locations that could be improved for nonmotorized travel? I know that -- I believe that's in the plan for 2027. So, given the
07:01:55PM
18-month pilot program, I want to know if those locations were considered when putting together the 15.

MR. AMSTUTZ: I think, if I understand the question, there were locations that we looked at as potential for speed cameras. But working with the Town staff, there were locations where they're already planning on making some improvements, so we moved away from there to other locations.

So, I think there -- I think Sedgwick School -- Sedgwick School was an example of one of them
07:02:32PM
where we considered it. But since there's already being plans for improvements there, we moved that to a different location.

MS. LAZARUS: Thank you.

MAYOR CANTOR: Thank you, Ms. Lazarus.

Mr. Lyons?

MINORITY LEADER LYONS: Thank you, Madam Mayor. Through you -- and I've got questions -- I'm going to bounce around a little bit, been kind of taking notes through the presentation.

Through you, Madam Mayor, to the Town, Mr. Town Manager, first of all, I want to thank you. I read the 100-plus-page presentation this afternoon, and I like seeing things are data driven. It's very data driven.

07:03:13PM

I think you said this. I just want to make sure I understand this properly in terms of the data. You've obviously looked at the data ahead of time to decide to go where the highest risk areas are. We're going to do lookbacks, as well, to see if that data improves over time; right?

TOWN MANAGER LEDWITH: Yes.

MINORITY LEADER LYONS: Okay. I thought you said that. I wanted to make sure I understood that correctly.

07:03:35PM

TOWN MANAGER LEDWITH: Through you, Madam Mayor, to Councilor Lyons' question, yes. So, we would -- and we would report that back actually to the State, as well, as far as the reporting process. Do we report on safety and --

MR. SORENSON: Yeah. There's -- I mentioned in the presentation, through you, Madam, Mayor, a number of violations, crash statistics, you know, and just general information on the program operation.

I'd just like to also point out, as part of the Vision Zero Action Plan, we had our first annual report, you know, going back to the beginning of this year. And we've also done more of a holistic view on the roadway network through town and see where we're going, you know, where the areas are even worse or

07:04:14PM

better. So, that's already being done as far as the Vision Zero program as well.

MINORITY LEADER LYONS: Appreciate it. Thank you. Second question -- I'm not sure if I have to say this every time. If I don't, correct me.

MAYOR CANTOR: You don't.

MINORITY LEADER LYONS: But through you, Madam Mayor, to Mr. Town Manager, talked a little bit about arbitration. The -- in the event -- okay. So, if I park in the Center and fail to pay my parking

07:04:36PM

ticket, I become a scofflaw if you invoice me, sent it to collections, whatever the process is, next time I go to motor vehicle to renew my registration, it will not be renewed unless I pay the parking fee. And I'm getting nods. I thought that was the case. I'm

getting nods.

Is -- does this -- I know it parallels parking in terms of reporting, but does it parallel in terms of collections for in-state cars? Does it parallel?

TOWN MANAGER LEDWITH: Parker, you want to handle that or ACT or --

MR. SORENSON: So -- yeah. So, state law, it's interesting. A little bit parallels with the parking program. The -- if you go through the state

07:05:18PM

law, the location where it doesn't parallel is that the parking appeals process in that scofflaw component of going to DMV, that does not apply to this program.

MINORITY LEADER LYONS: If I may, Madam Mayor.

MAYOR CANTOR: Yes.

MINORITY LEADER LYONS: So, just playing this out, I accrue a few -- I run up Mountain Road one day. I'm in a bad mood. I pick up a couple of tickets. I get the invoices. I'm angry. I don't pay the tickets.

07:05:47PM

I'm just trying to understand, so next time I go to register my car, they'll -- they'll flag it; right?

MR. SORENSON: They will not be flagged for nonpayment to this program.

MINORITY LEADER LYONS: Okay. All right.

Okay. Okay. Thank you. Just trying to understand.

In the case of out-of-state -- obviously I think out-of-state enforcement is probably a little bit more of a sticky wicket -- what happens in the event of a returned mail? I know it's kind of a -- but you send something to New York and the mail comes back undeliverable in terms of a ticket.

MS. VARANO: I can take that one.

MINORITY LEADER LYONS: Okay. Thank you.

MS. VARANO: Through you, Madam Mayor. Gina Varano, Deputy Corporation Counsel. 07:06:30PM

So, it is difficult. If it comes back in the mail, then that's evidence that the owner did not receive the citation, and that's pretty much where the collection ends because the only way in which we can proceed is the owner must receive the citation. Unfortunately, that's the way it goes.

MINORITY LEADER LYONS: Nope. Nope. I understand. Thank you very, very much. And that's all I have for now, Madam Mayor. Thank you very much. 07:06:52PM

MAYOR CANTOR: Thank you, Mr. Lyons. Good question.

Ms. Harris.

DR. HARRIS: Thank you. Thank you for the presentation. I had a question through you, Madam

Mayor, about the grant money that we're receiving. I believe it was $800,000. I may be wrong on that.

TOWN MANAGER LEDWITH: Approximately 800,000.

DR. HARRIS: Is that a onetime grant, meaning if we continue the program 18 months and 18 months, we're getting the onetime grant of 800,000?

TOWN MANAGER LEDWITH: It's a onetime grant, through you, Madam Mayor.

DR. HARRIS: Okay. And then I also had a question as to whether there's any sense of what the

07:07:32PM

revenue potentially would be from -- that would be collected from these devices.

TOWN MANAGER LEDWITH: Through you, Madam Mayor, to Council Harris' question, so we are -- we're basing this off of information that we're gathering from communities that have started these programs. And, you know, we believe within the first year of this program being up and running, it could be in the several millions of dollars for the first year.

I do believe, as I mentioned, we -- our goal

07:08:06PM

is to change the culture of how folks move through our community. And once the program is up and running and we have time under our belt and that culture change happens, that we would see those numbers decrease, ideally.

As I said, this isn't about -- for us, it's not about the revenue. There will be revenue generated, and that revenue will be very important to us to change the infrastructure within town and continue our Vision Zero efforts. But ideally -- not realistic, I know, but a couple years from now I'd like to say we're not issuing any tickets because people are driving the speed limit and our community is safer. But so, right now it's all estimates, but it could be significant in the first year.

07:08:57PM

DR. HARRIS: Okay. And then once we are no longer granted, meaning we've used our grant, what do you foresee, if you have any numbers as to what the program costs us to run yearly?

TOWN MANAGER LEDWITH: So, we believe -- even, you know, my very optimistic view of not issuing, you know, many tickets, but we will be, right.

DR. HARRIS: Mm-hmm.

TOWN MANAGER LEDWITH: So, we believe we'll be able to cover the cost of the program with that

07:09:22PM

revenue in the future.

We talked a little bit in the presentation about our red light enforcement camera program as well. We received a second grant for that.

DR. HARRIS: Mm-hmm.

TOWN MANAGER LEDWITH: So, we will roll that grant -- that program out in the same way we're rolling this one out, utilizing federal moneys to roll that program out for the first 18 months; and then, ideally, the revenue generated after that will cover our costs.

So, I think your question is, could there be a future impact for a taxpayer? I don't foresee that. I see as covering at least the baseline of our expenses with the revenue generated. Certainly, we'll be reporting this data out to the council periodically

07:10:06PM

throughout the year, so we'll know where we stand from a revenue and expense standpoint every step of the way.

DR. HARRIS: Okay. And then my last question is, I believe that you said -- I just want to make sure I understand -- that if the device is on one side of the road, it's picking up the traffic on both sides of the road, or is that incorrect?

MR. AMSTUTZ: No. There will actually be two cameras, the one -- they'll be across the street from one another.

07:10:39PM

DR. HARRIS: Okay.

MR. AMSTUTZ: So, there will be two posts with the cameras. And that's what we -- will be -- in the plan, as well, you can see there's a concept plan and also the preview images showing approximate

locations of where those two will be.

DR. HARRIS: Okay. Thank you.

MAYOR CANTOR: Thank you, Ms. Harris. Good questions. Let's see.

Mr. Wenograd.

MR. WENOGRAD: Thank you, Madam Mayor. Through you, just a little more detail on the vendor fees and then the fines. So, somebody -- what will happen -- so, you get a $50 fine. Are we adding in the vendor fee -- I know it's up to 15. Is that

07:11:20PM

automatically added in, or is that just if you're paying online? I'm wondering how that works.

TOWN MANAGER LEDWITH: So, the administration fee would be potentially covering the cost of the vendor who would be running the program for us. So, we will go out to bid shortly to hire a company to work with us to install these cameras around town. And then based on that process, I think we would determine, if I'm not mistaken, what -- what admin fee we would be adding on to the ticket price. So, it would be a fixed

07:11:58PM

cost up to $15 to cover the administration of the camera program.

MR. WENOGRAD: Thank you. And just to add to that, so, we get the 15 no matter what or the 4.75 vendor fees on top of that?

TOWN MANAGER LEDWITH: Correct.
MR. WENOGRAD: Okay. Thank you very much.
TOWN MANAGER LEDWITH: You're welcome.
MAYOR CANTOR: Thank you. All right.
Mr. Wang, do you have any questions?
DR. WANG: Yes. Thank you. Through you, Madam Mayor, thank you so much, everyone who's worked on this. I have a couple of questions regarding specific locations.
Location 4, Farmington Avenue zipper merge, I
07:12:33PM
just had some concerns about that. Is it wise to put a speed camera right at a zipper merge? You know, there's a lot of jockeying for position. There's -- sometimes you have to hit the gas a little bit to get ahead of the person next to you. Could that add cognitive load or, you know, increase the risk of kind of mishaps, especially since we have sometimes unpredicted pedestrians and cyclists on the shoulder? So, it seems like the last place where I would want to manage another issue.
07:13:04PM
(Aside)
MR. SORENSON: So, through you, Madam Mayor. Yeah. So, I know there's been some back-and-forth on this discussion specifically internally. I think some of the context that we've had with the VHB team -- so,

there's actually a speed-limit change further to the west that we wanted to be aware of and be away from, you know, that kind of speed limit change.

And further, obviously, there's a significant grade challenge coming down into West Hartford, so thought about, you know, the fairness, so to speak, of putting that at the bottom of a hill. So, that's kind of where that landed from internal discussions with the VHB team.

DR. WANG: Yeah. It just strikes me as a potentially risky location. It's just you're already managing a lot, you know. And, again, sometimes, especially when the weather is nice, you do have quite a bit of pedestrian traffic on that unprotected shoulder.

07:13:57PM

Another question -- thank you. Another question is, and including this site and several of the sites, up to 50% even 70% of vehicles, according to your data, sometimes are going to be -- are going to be in violation?

07:14:24PM

For example, at Flatbush, 50% to 70% of cars are going to get a ticket? That's -- is that fair to drivers? And do we need to consider some kind of traffic calming or something to -- so that we're not ticketing half the people that come through that

stretch of road? You know, we should encourage, I think, you know, reasonable speeds and then ticket the outliers. In some cases, it looks like we're ticketing even half or even 70% of people coming through there.

ASSISTANT CHIEF OF POLICE TERRA: I'll take that, through you, Madam Mayor. That area is heavily congested. And we have the busway, we have the traffic going up over the bridge, and we have a lot of pedestrian traffic through there.

So, we have to -- and we have -- we have some

07:15:17PM

cameras in the area for crashes. We have a lot of crashes there. It almost seems like a lot of people are just in a rush through that area.

And the whole purpose of what we're doing through Vision Zero and this program is to suggest everybody's got to cool it down a little bit, slow down. And essentially we're trying to change the culture through there. But there's an awful lot of traffic through there, as you indicated.

We have to do something. We have pedestrians

07:15:50PM

who are walking between cars and the light is not telling them to walk. We have cars that are not stopping for the red lights. So, it's a heavily congested area.

Not only that, besides the traffic activity

and the pedestrian traffic activity, I need to say it, we have a great deal of crime there as well.

So, all of this is coming together. So, we actually need the enforcement there while we're doing the other components of this to try to keep people safe.

People just literally walk across into the traffic, and they will get hit by a car. We can't stop it. They have a green light. But the thing is at the end of the day, there are crosswalks, and a lot of

07:16:28PM

people aren't using the crosswalks either. So, we're just trying to get a handle on that area right there. And I think they'll agree that we have a lot going on there.

DR. WANG: Thank you. I completely agree, there's a lot going on. Just specifically, I guess what I'm asking is, if 50% to 70% of people are going to get ticketed, do we need to also consider re-evaluating the road, whether that's through Quick-Builds or other methods?

07:16:55PM

But I notice that at many locations. For example, you know, on the New Britain Avenue, one of the sites, the downhill has much higher speeding than the uphill.

So, for example, maybe we consider things

like those -- those bars, you know, the bars that you guys did on Tunxis that seemed to be quite effective. Again, just making it seem fair for drivers so that it's not a wide-open road that encourages speeding and then we nail 70% of them but to couple the intervention with other interventions so that it feels fair for drivers. Is that something that we -- that you guys are discussing? Acknowledging that quite a few of these sites are state roads.

TOWN MANAGER LEDWITH: Through you, Madam Mayor. So, certainly, that's part of our overall Vision Zero efforts town-wide, because not -- we are not going to stop doing what we're doing from a Quick-Build standpoint, traffic-calming standpoint, anything we can do town-wide, so continue to, from an engineering standpoint, change the way you're moving through our town.

But certainly, speed -- you know, people that are driving 50%, 60%, 70% over the speed limit, we need to change that, and enforcement is part of that. So, it's enforcement, engineering, education, which, you know, we talked a lot about. I think enforcement will help in addition to the changes to -- from an engineering standpoint. So, yeah, to answer your question, specifically, we would continue to look at

07:17:45PM

07:18:12PM

other ways to slow folks down in addition to this.

DR. WANG: Thank you. I have one last question. Location 14, North Main. Why is the speed limit different northbound and southbound? And could this be confusing for motorists?

MR. SORENSON: So, I'll take that. Through you, Madam Mayor. So, that's right in front of the American School for the Deaf, so there is a 30-mile-per-hour zone to the south and there's a 35-mile-per-hour zone to the north.

07:19:03PM

So, as we were going through the data -- and not surprisingly, there's, you know, a lot of data points that were pointing to that area with the driveway and whatnot.

So, the idea is that, you know, that the northbound approach is still and will be maintained as a 30 throughout that speed zone. So, you've been through a 30 zone operating up until that point. Coming southbound, you know, even though the change in speed limit was right in that area, you know, it

07:19:32PM

wouldn't be, quite honestly, to be fair, going southbound, to go right from 35 to 30, unfortunately. So, that's the reason that that is posted at 35 southbound.

And so, whether it's confusing, you know,

southbound, northbound, you're not going to see the opposing directions in signage. So, hopefully that helps answer that question.

DR. WANG: Yeah. Fair enough. Thank you so much.

MAYOR CANTOR: Thank you, Mr. Wang. Okay.

Ms. Polun, do you have any?

DEPUTY MAYOR POLUN: I do not.

MAYOR CANTOR: Okay. A lot of good questions and a few that I had.

07:20:07PM

So, for state roads, for any of the locations that are on state roads -- New Britain Avenue, Simsbury Road -- is there any additional --

DEPUTY MAYOR POLUN: Albany.

MAYOR CANTOR: -- yeah, Albany, obviously -- is there any additional -- well, this would be approved through the -- through the State anyway. But is there anything -- anything unique about that at all that we should be aware of just --

MR. SORENSON: Yeah. So, through you, Madam

07:20:48PM

Mayor. So, yes, there is additional approval. And it's just through the district. It's an encroachment permit, just as if we were to put up -- you know, go to the State to put up a sign of some sort or something.

So, by and large, OSTA will handle the

substantive -- you know, the plan as a whole. And then once we get a vendor on, they'll be up for further engineering design dealing with those encroachment permits.

MAYOR CANTOR: Thank you. So, what -- that would be -- is it just Albany, New Britain, and Farmington?

MR. WALTERS: North Main.

MAYOR CANTOR: North Main too?

MR. SORENSON: North Main in front of Hall

07:21:31PM

High School as well.

MAYOR CANTOR: Right. Right.

MR. SORENSON: And in the back here.

MAYOR CANTOR: Okay. All right. But you don't think that they would change the locations?

MR. SORENSON: Our -- our discussions with OSTA have been, you know, very positive. They're looking to support, you know, whatever the Town decides in terms of this program and making that happen on the state roads as well.

07:21:51PM

MAYOR CANTOR: Thank you. All right. Just going around one more time. Any other questions?

Okay. We would like to see if there are any public comments.

Mr. Clerk, have you received any comments?

TOWN CLERK DAVIDOFF: Madam Mayor, I have not received any public comments.

MAYOR CANTOR: Okay. Has anybody signed up?

MS. VARANO: Madam Mayor, no one has signed up to speak.

MAYOR CANTOR: Okay. Is there anyone in the public audience that would like to speak to this public hearing? Wow. Okay. Very good. All right.

Going around one more time. Councilors? Okay.

07:22:31PM

Anything in closing, Mr. Ledwith?

TOWN MANAGER LEDWITH: No. We appreciate your consideration and certainly your input all along through this process. As I said earlier, I do -- I think it is a significant move in the right direction in terms of changing the culture within our town.

And having drivers move through town slower, obeying speed limits and red lights I think will lead us to achieving Vision Zero sooner than 2033, in addition to all of the other engineering-type changes

07:23:12PM

that we will facilitate over the coming years. So, thank you.

MAYOR CANTOR: Thank you very much. All right. Well, with that, I'm closing this public hearing. Thank you all so much. And we are going

to -- when you're free, to start the next public hearing, so. Thank you again very much.

(The proceedings adjourned at 7:23 p.m.)

STATE OF CONNECTICUT

I, ALEXA BUDIHAS, RPR, CRR, and a Licensed Professional Reporter/Commissioner within and for the State of Connecticut, do hereby certify that I took the foregoing hearing at 6:30 p.m. on December 17, 2025, at the West Hartford Town Council, 50 South Main Street, West Hartford, CT 06107.

I further certify that the within hearing was taken by me stenographically and reduced to typewritten form under my direction by means of computer-assisted transcription.

I further certify that I am neither counsel for, related to, nor employed by any of the parties to the action in which this hearing was taken; and further, that I am not a relative or employee of any attorney or counsel employed by the parties hereto, nor financially or otherwise interested in the outcome of the action.

WITNESS my hand this December 29th, 2025.



ALEXA A. BUDIHAS, RPR/CRR
My commission expires 4/30/29

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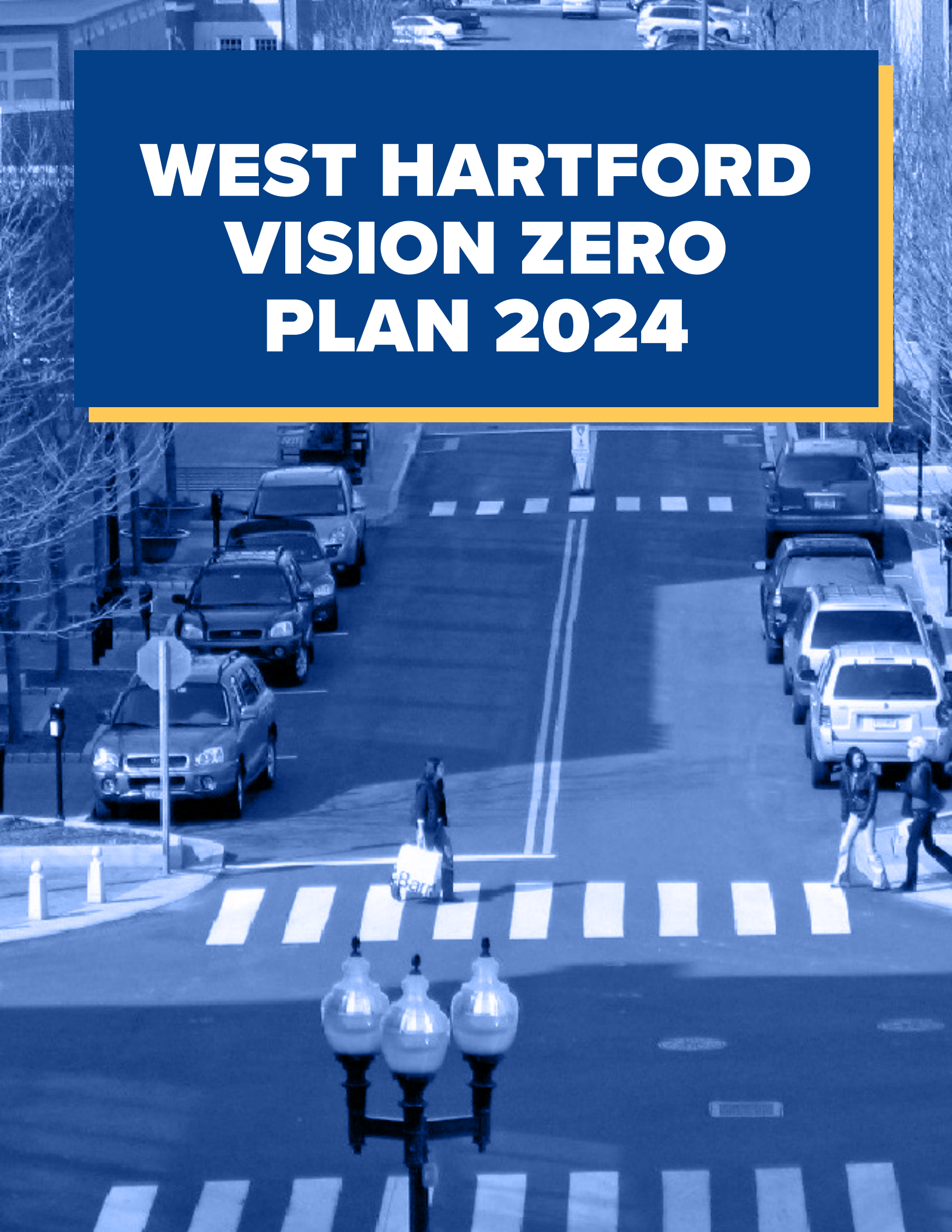
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Required Documents: Municipality Safety Action Plan

Excerpts from the Town of West Hartford Vision Zero Action Plan, Safe Design Section. See Appendix for the entire Vision Zero Action Plan.

WEST HARTFORD VISION ZERO PLAN 2024



SAFE DESIGN

Background

Roadway design, particularly its influence on motorist speed, is a key factor in achieving Vision Zero. Designing to reduce speeds not only decreases the risk of a crash but also decreases the risk of serious injury or death. The effects of speed are most pronounced for vulnerable road users whose risk of dying if struck by a vehicle increases dramatically with vehicle speed.

Physical changes to our streets will introduce permanent measures that will discourage dangerous, excessive, and intimidating driving and speeding. Efforts will include low-cost town-wide interventions and targeted investments in the Vision Zero Focus Areas. Safe roadway design will prioritize the needs of vulnerable road users. The action plan focuses on improvements to areas where these users may come into conflict with vehicular traffic such as intersections, crossings, and areas with missing sidewalks or bicycle facilities. These safety improvements will address existing issues while making West Hartford streets more appealing for walking and biking. The result will be fewer vehicle miles traveled, which will reduce the overall risk of injury and death.

Goal

West Hartford will adopt road design practices that prioritize safety for all users over vehicle speed and throughput. Physical design changes on roadway segments and at intersections will play an important role in reducing the number of serious injuries and deaths. More roadway users will choose alternatives to driving and, as a result, reduce the total vehicle miles traveled in the Town.

Strategies

ID	Strategies	Priority
G	Make infrastructure improvements that will make roads safer.	High
H	Reduce speeds.	High
I	Design for safe streets near schools.	Medium

KEY ACTION HIGHLIGHT: ROAD SAFETY AUDITS

A Road Safety Audit (RSA) is the formal safety performance examination of an existing or future road or intersection by a multidisciplinary team that can include engineers, planners, members of the public, and key stakeholders. RSAs are based on data and evidence, enabling communities to make informed decisions about road safety improvements. A RSA typically includes:

- Preparation and Planning: This involves gathering relevant background information such as traffic volume data, crash history, and the design of the road or intersection.
- Field Review: The team visits the site to observe traffic patterns, road user behavior, and potential hazards.
- Analysis: The audit team reviews the collected data and observations to identify safety issues. This analysis considers factors like sight distance, signage, pavement markings, pedestrian and cyclist facilities, and the behavior of different types of road users.
- Reporting: The team prepares a report detailing the identified safety issues and suggesting potential improvements. This report is usually structured to highlight immediate, short-term, and long-term recommendations.

RSAs are key to the implementation of this action plan. Initially, the Task Force had proposed many town-wide studies that would address individual issues (e.g., access to transit, sidewalk connectivity, crossing times at intersections, etc.). Although comprehensive, this approach would take significant time and resources to implement.

In contrast, utilizing the RSAs would allow the Town to:

- Focus on the most urgent segments of the Vision Zero Focus Areas (VZFA) first.
- Take a holistic approach to studying and improving streets that factored in all modes of vehicles and a wide variety of potential issues. For more information on the breadth of issues covered in the audits, see RSA Field Considerations on page 66.
- Identify immediate, short-term, and long-term recommendations in the VZFA that could be included in the work plan and advanced in subsequent years.
- Be better positioned to win grant funding for improvements.

As such, Action items G1 through G4 are interconnected and the Town should incorporate recommendations from the RSAs into the Action Plan as they are completed.

Safe Design

ID	Action	Timeframe
G	***Implement infrastructure improvements that will make roads safer.***	
G1	Conduct Road Safety Audits and/or safety assessments of areas identified in the Vision Zero Focus Areas.	2024 - Ongoing
G2	Implement quick-build recommendations within two years of conducting the Road Safety Audit.	2025 - 2026
G3	Implement short-term improvements within three to five years of conducting the Road Safety Audit.	2025 - 2029
G4	Implement long-term improvements within six to ten years of conducting the Road Safety Audit.	2027 - 3031
G5	Implement an automated enforcement (speed camera) program within Vision Zero Focus Areas to include speed enforcement and red-light enforcement.	2024 - 2025
G6	Identify and implement quick build and short-term projects that will not impact corridor planning.	2024 - 2027
G7	Prioritize the location of speed feedback signage to the Vision Zero Focus Areas.	2024 - Ongoing
G8	Construct single-lane modern roundabouts. Consider the intersections identified by the CRCOG Roundabout Study.	2026 - 2031
G9	Upon completion of the Bicycle Facility Plan, identify goals and a schedule of expansion of the bicycle network that includes continuous low-stress north-south and east-west connectivity.	2031
H	***Reduce speeds.***	-
H1	Evaluate signal timing on coordinated signal systems to ensure consistency with corridor target speeds.	2026 - 2031

Priority	Lead	Partners	Staffing Obstacles	Funding Obstacles	Legislative Obstacles
High					
High	Engineering	Community Development/ Public Works	**Yes**		
High	Engineering	Public Works	**Yes**		
High	Engineering	Public Works	**Yes**		
High	Engineering	Public Works	**Yes**		
High	Community Development	Town Manager/ Police/ Engineering/ Public Works/IT			**Yes**
High	Engineering	Public Works	**Yes**	**Yes**	
High	Engineering	Public Works	**Yes**		
Low	Engineering	Public Works	**Yes**	**Yes**	**Yes**
Low	Engineering	Public Works	**Yes**		
High					
Medium	Engineering	Public Works	**Yes**	**Yes**	

Safe Design

ID	Action	Timeframe
I	***Design for safe streets near schools.***	
I1	Expand school zone speed limit program, including reducing speeds to 20 MPH, flashing school zone speed signs, and speed feedback signage.	2026 - 2031
I2	Conduct Safe Routes to School reports for all schools within the West Hartford Public School system. Create schedule and implement short-term infrastructure and operational changes to improve safety.	2026 - 2031
I3	Identify and implement short-term, quick-build recommendations surrounding all schools.	2027 - 2031

	Priority	Lead	Partners	Staffing Obstacles	Funding Obstacles	Legislative Obstacles
	Medium					
	Medium	Engineering	Public Works	**Yes**	**Yes**	**Yes**
	Medium	Board of Education	Engineering/ Public Works	**Yes**	**Yes**	
	Medium	Engineering	Board of Education/Public Works	Yes	**Yes**	

Required Documents: General Town Data – Traffic Stops Conducted, Equity Data, QCTs

Traffic Stop History for West Hartford:

Year	Traffic Stops	% Speed Related
2020	2,857	23.7% (676)
2021	2,388	22.7% (541)
2022	4,726	26.8% (1,266)
2023	7,380	22.2% (1,639)
2024	7,758	24.9% (1,934)
*Per the CTData Collaborative from data provided by the State of Connecticut Office of Policy and Management		

West Hartford Census/Equity Data:

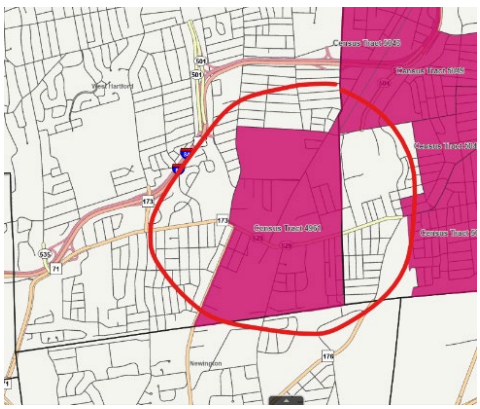
Poverty Rate: 6%

% of Occupied Housing Units with Vehicles: 96.6%

**Data from U.S. Census Profile (Census and Profile Data - Town of West Hartford) and 2023 ACS 5-year estimates (Table S0801, Commuting Characteristics by Sex)

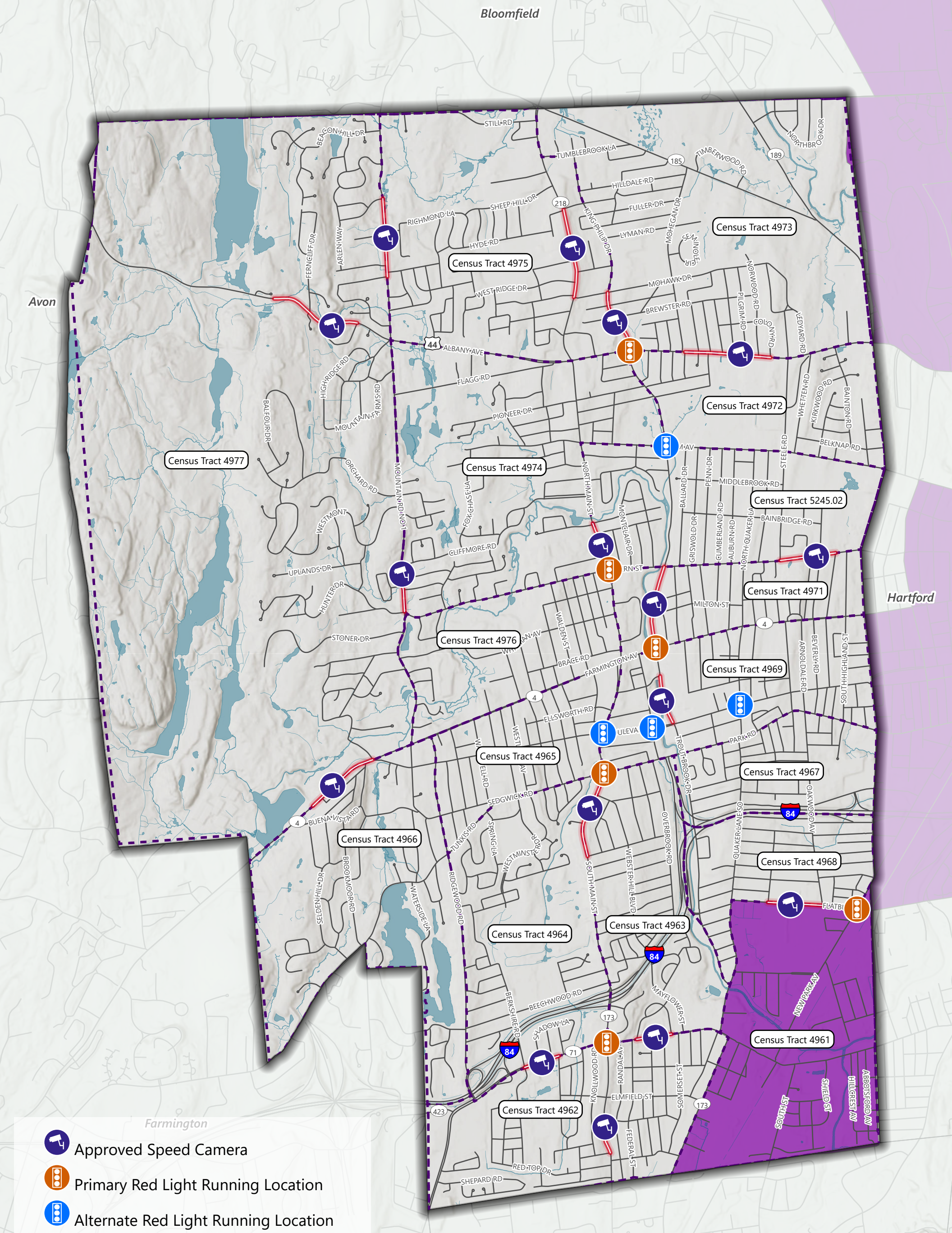
Qualified Census Tract (QCT) Identification:

Per the US Department of Housing and Urban Development, and as viewed on the CT DOT Website, there is one (1) Qualified Census Tract located within West Hartford. Two of the requested ATESD permit locations are in this QCT area.



West Hartford Map of Speed Camera and Red Light Running Locations

Town of West Hartford ATESD Cameras



Speed Cameras received OSTA approval April 21, 2026

ATESD Speed Camera Sites 1-16

(In Alphabetical Order by West Hartford Street Name)

Location No. 1 – ALBANY AVE (US Route 44) – Vandervere Rd to Colony Rd

Eastbound

- Speed Data:
  - Posted Speed Limit: 40 MPH
  - Average Speed: 45 MPH
  - 85% Speed: 51 MPH
  - 20.5% of Traffic is going at least 50 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 8,278 vehicles
  - Principal Arterial Roadway
  - Four lanes undivided

Westbound

- Speed Data:
  - Posted Speed Limit: 40 MPH
  - Average Speed: 46 MPH
  - 85% Speed: 52 MPH
  - 23.8% of Traffic is going at least 50 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 7,162 vehicles
  - Principal Arterial Roadway
  - Four lanes undivided

Land Use Context:

- Adjacent to university athletic fields (University of St. Joseph)
- Proximate to religious establishment with high pedestrian traffic

Police Citations (Speeding): 22
(August 2022-August 2024 data)

Segment Crash Table – Speeding-Related Crashes ALBANY AVE (US-44) - Vandervere Rd to Colony Rd

Crash ID	Town	Date	Crash Severity	Most Severe Injury	Name of Roadway	Name of Intersecting Roadway	Manner of Collision
948593	West Hartford	6/13/2022 16:43	Injury of any type (Serious, Minor, Possible)	Suspected Serious Injury (A)	44-E	SEQUIN RD	Angle
1001764	West Hartford	11/15/2022 7:53	Property Damage Only	No Apparent Injury (O)	44-E	SIOUX LA	Not Applicable
1228717	West Hartford	11/15/2024 16:27	Property Damage Only	No Apparent Injury (O)	44-E		Front to rear

Location 1:
Albany Ave (US Route 44)
Between Vandervere Rd and Colony Rd

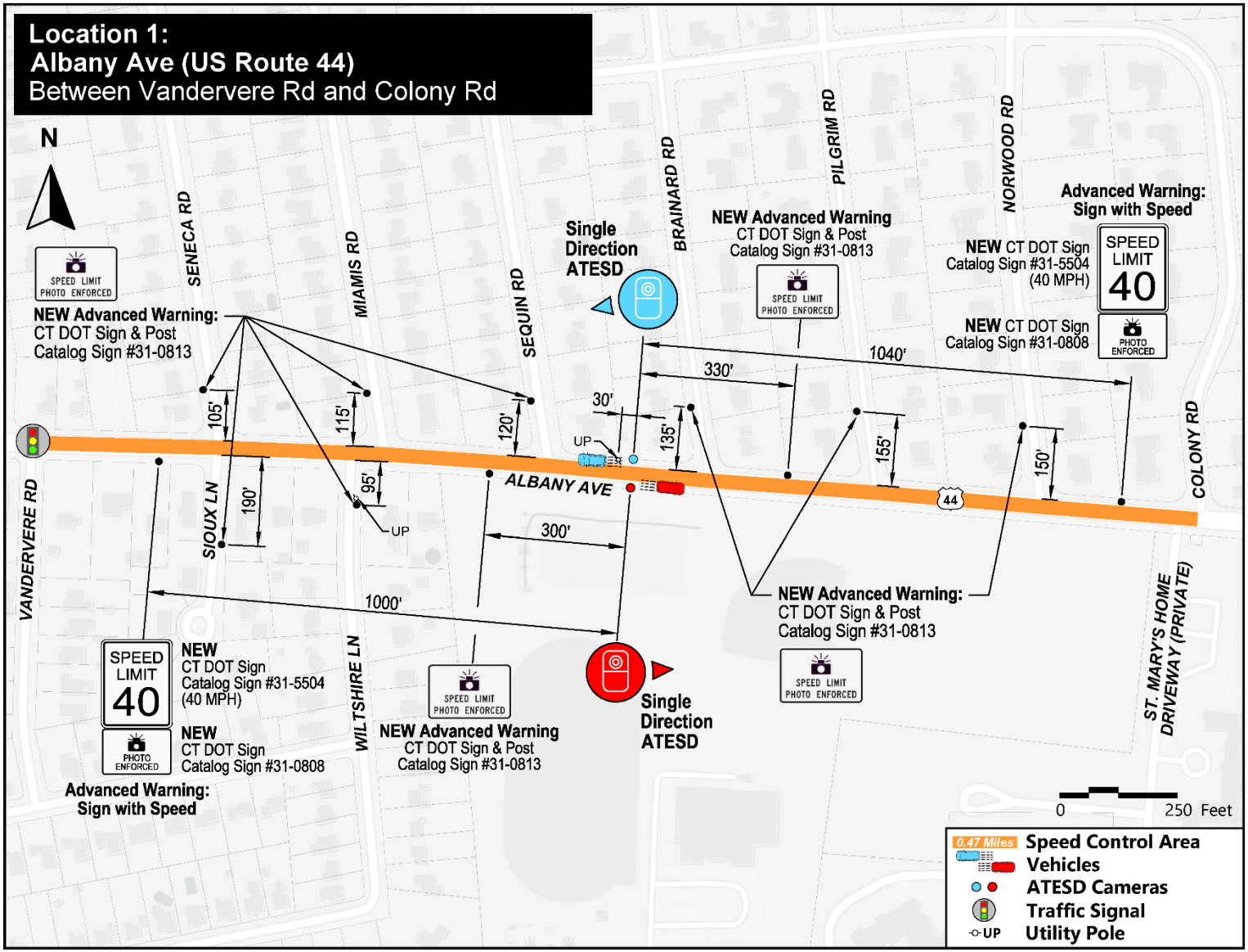
Legend
Direction of Travel



Albany Ave (Looking West)



Albany Ave (Looking East)


Location 1:
Albany Ave (US Route 44)
Between Vandervere Rd and Colony Rd
N
SENECA RD
MIAMIS RD
SEQUIN RD
BRAINARD RD
PILGRIM RD
NORWOOD RD
COLONY RD
VANDERVERE RD
SIOUX LN
WILTSHIRE LN
ST. MARY'S HOME DRIVEWAY (PRIVATE)
ALBANY AVE
44
SPEED LIMIT PHOTO ENFORCED
NEW Advanced Warning:
CT DOT Sign & Post
Catalog Sign #31-0813
Single Direction ATESD
NEW Advanced Warning
CT DOT Sign & Post
Catalog Sign #31-0813
Advanced Warning:
Sign with Speed
NEW CT DOT Sign
Catalog Sign #31-5504
(40 MPH)
SPEED LIMIT 40
NEW CT DOT Sign
Catalog Sign #31-0808
PHOTO ENFORCED
105'
115'
120'
95'
190'
30'
135'
330'
1040'
155'
150'
300'
1000'
UP
0
250 Feet
0.47 Miles
Speed Control Area
Vehicles
ATESD Cameras
Traffic Signal
Utility Pole

Location No. 2 – ALBANY AVE (US Route 44) – Renbrook School to Mountain Brook Rd

Eastbound

- Speed Data:
  - Posted Speed Limit: 40 MPH
  - Average Speed: 44 MPH
  - 85% Speed: 48 MPH
  - 12.5% of Traffic is going at least 50 MPH
- Roadway and Traffic data:
  - Average daily traffic: 10,722 vehicles
  - Principal Arterial Roadway
  - Four lanes undivided

Westbound

- Speed Data:
  - Posted Speed Limit: 40 MPH
  - Average Speed: 51 MPH
  - 85% Speed: 56 MPH
  - 59.0% of Traffic is going at least 50 MPH
- Roadway and Traffic data:
  - Average daily traffic: 11,273 vehicles
  - Principal Arterial Roadway
  - Four lanes undivided

Land Use Context:

- Proximity to recreational area (MDC Reservoir #6 with trail system)
- Near the Renbrook School – Pre-K through grade 8 private school with about 350 students

Police Citations (Speeding): 375
(August 2022-August 2024 data)

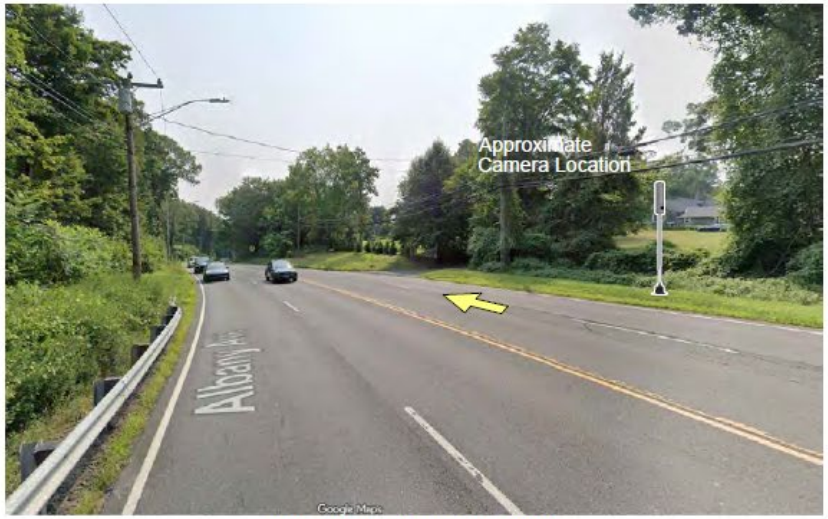
Crash ID	Town	Date	Crash Severity	Most Severe Injury	Name of Roadway	Name of Intersecting Roadway	Manner of Collision
944036	West Hartford	6/9/2022 9:49	Injury of any type (Serious, Minor, Possible)	Possible Injury (C)	ALBANY AVE		Not Applicable
994824	West Hartford	11/11/2022 16:01	Injury of any type (Serious, Minor, Possible)	Possible Injury (C)	44-E		Angle
1003456	West Hartford	11/25/2022 9:54	Injury of any type (Serious, Minor, Possible)	Suspected Minor Injury (B)	44-E		Front to front
1043698	West Hartford	4/23/2023 10:35	Property Damage Only	No Apparent Injury (O)	44-E		Not Applicable
1120267	West Hartford	10/30/2023 17:54	Property Damage Only	No Apparent Injury (O)	44-E		Angle
1120423	West Hartford	12/2/2023 9:06	Injury of any type (Serious, Minor, Possible)	Suspected Minor Injury (B)	44-E		Not Applicable
1167135	West Hartford	5/5/2024 14:49	Property Damage Only	No Apparent Injury (O)	44-E		Front to rear
1176492	West Hartford	6/9/2024 13:12	Property Damage Only	No Apparent Injury (O)	44-E		Not Applicable
1226300	West Hartford	11/11/2024 8:10	Injury of any type (Serious, Minor, Possible)	Suspected Minor Injury (B)	44-E (ALBANY AV)	MOUNTAIN BROOK RD	Angle
1233682	West Hartford	11/21/2024 11:47	Injury of any type (Serious, Minor, Possible)	Suspected Minor Injury (B)	44-E		Not Applicable

Location 2:
Albany Ave (US Route 44)
Between Renbrook School Signal and Mountain Brook Rd

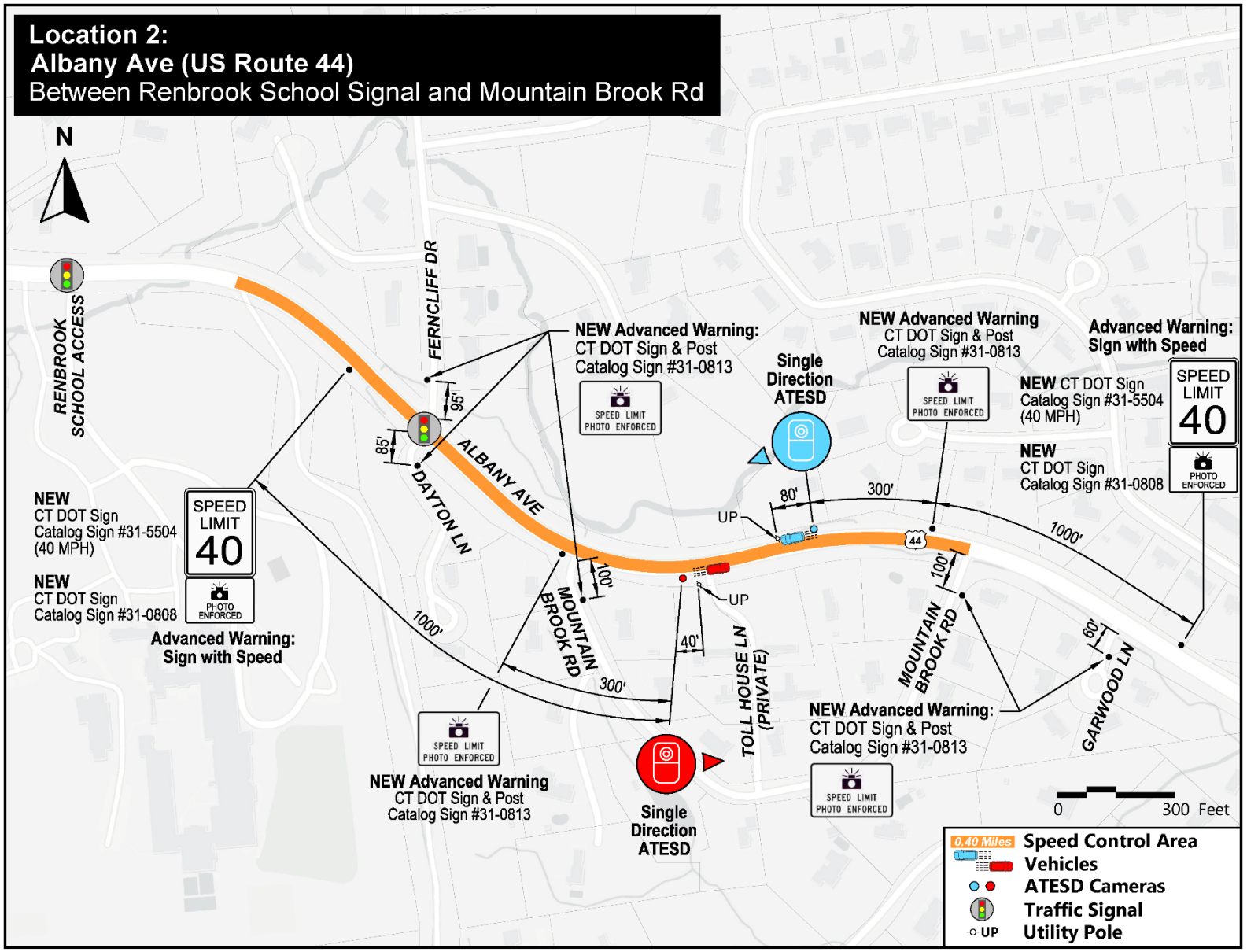
Legend
Direction of Travel



Albany Ave (Looking West)



Albany Ave (Looking East)


Location 2:
Albany Ave (US Route 44)
Between Renbrook School Signal and Mountain Brook Rd
N
RENBROOK SCHOOL ACCESS
FERNCLIFF DR
ALBANY AVE
DAYTON LN
MOUNTAIN BROOK RD
TOLL HOUSE LN (PRIVATE)
GARWOOD LN
NEW Advanced Warning:
CT DOT Sign & Post
Catalog Sign #31-0813
SPEED LIMIT PHOTO ENFORCED
Single Direction ATESD
NEW Advanced Warning
CT DOT Sign & Post
Catalog Sign #31-0813
Advanced Warning:
Sign with Speed
SPEED LIMIT 40
NEW CT DOT Sign
Catalog Sign #31-5504
(40 MPH)
NEW
CT DOT Sign
Catalog Sign #31-0808
PHOTO ENFORCED
95'
85'
80'
300'
1000'
100'
40'
60'
UP
44
0
300 Feet
0.40 Miles
Speed Control Area
Vehicles
ATESD Cameras
Traffic Signal
Utility Pole

Location No. 3 – FARMINGTON AVE (Route 4) – 1363 Farmington Ave to Old Mill Ln

Eastbound

- Speed Data:
  - Posted Speed Limit: 35 MPH
  - Average Speed: 44 MPH
  - 85% Speed: 49 MPH
  - 48.4% of Traffic is going at least 45 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 7,643 vehicles
  - Principal Arterial Roadway
  - Two lanes undivided

Westbound

- Speed Data:
  - Posted Speed Limit: 35 MPH
  - Average Speed: 44 MPH
  - 85% Speed: 50 MPH
  - 49.4% of Traffic is going at least 45 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 6,910 vehicles
  - Principal Arterial Roadway
  - Two lanes undivided

Land Use Context:

- Proximity to recreation areas – MDC Reservoirs and Reservoir trails

Police Citations (Speeding): 29
(August 2022-August 2024 data)

Segment Crash Table – Speeding-Related Crashes FARMINGTON AVE (Route 4) – 1363 Farmington Ave to Old Mill Ln

Crash ID	Town	Date	Crash Severity	Most Severe Injury	Name of Roadway	Name of Intersecting Roadway	Manner of Collision
985847	West Hartford	10/14/2022 8:16	Property Damage Only	No Apparent Injury (O)	4-E	FARMINGTON AV	Not Applicable
1035906	West Hartford	3/23/2023 15:32	Property Damage Only	No Apparent Injury (O)	4-E	RESERVOIR AV	Sideswipe, same direction
1132200	West Hartford	1/16/2024 9:33	Property Damage Only	No Apparent Injury (O)	4-E	EVERETT AV	Front to front

Location 3:
Farmington Ave (Route 4)
Between 1363 Farmington Ave and Old Mill Ln

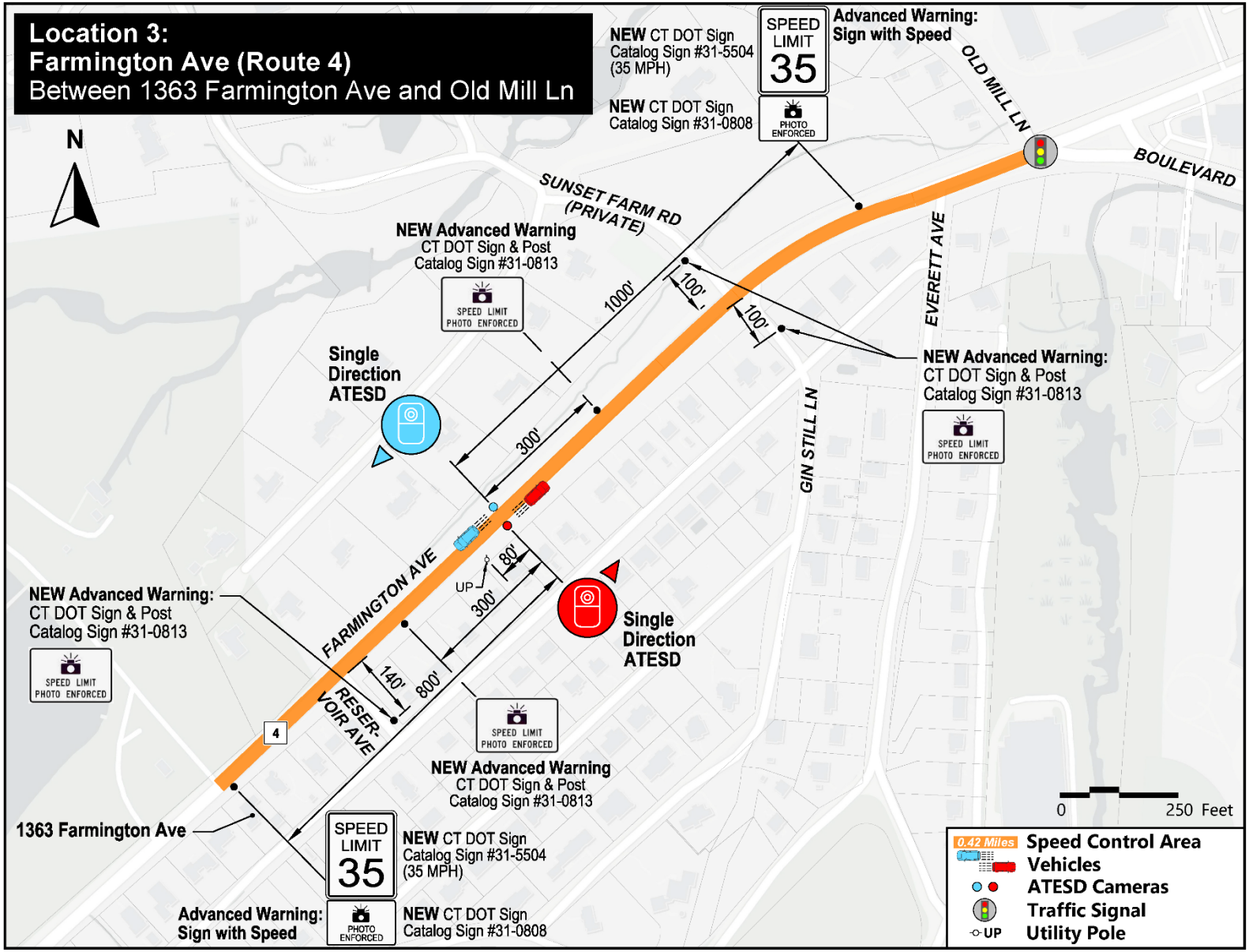
Legend
Direction of Travel



Farmington Ave (Looking West)



Farmington Ave (Looking East)


Location 3:
Farmington Ave (Route 4)
Between 1363 Farmington Ave and Old Mill Ln
N
NEW CT DOT Sign
Catalog Sign #31-5504
(35 MPH)
NEW CT DOT Sign
Catalog Sign #31-0808
SPEED LIMIT 35
PHOTO ENFORCED
Advanced Warning:
Sign with Speed
OLD MILL LN
BOULEVARD
SUNSET FARM RD
(PRIVATE)
NEW Advanced Warning
CT DOT Sign & Post
Catalog Sign #31-0813
SPEED LIMIT PHOTO ENFORCED
1000'
100'
100'
EVERETT AVE
Single Direction ATESD
300'
GIN STILL LN
NEW Advanced Warning:
CT DOT Sign & Post
Catalog Sign #31-0813
SPEED LIMIT PHOTO ENFORCED
FARMINGTON AVE
UP
80'
300'
NEW Advanced Warning:
CT DOT Sign & Post
Catalog Sign #31-0813
SPEED LIMIT PHOTO ENFORCED
Single Direction ATESD
RESER-VOIR AVE
140'
800'
4
SPEED LIMIT PHOTO ENFORCED
NEW Advanced Warning
CT DOT Sign & Post
Catalog Sign #31-0813
1363 Farmington Ave
SPEED LIMIT 35
NEW CT DOT Sign
Catalog Sign #31-5504
(35 MPH)
Advanced Warning:
Sign with Speed
PHOTO ENFORCED
NEW CT DOT Sign
Catalog Sign #31-0808
0
250 Feet
0.42 Miles
Speed Control Area
Vehicles
ATESD Cameras
Traffic Signal
UP
Utility Pole

Location No. 4 – FERN ST – Steele Rd to Highland St

Eastbound

- Speed Data:
  - Posted Speed Limit: 30 MPH
  - Average Speed: 35 MPH
  - 85% Speed: 39 MPH
  - 13.4% of Traffic is going at least 40 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 2,852 vehicles
  - Collector Roadway
  - Two lanes undivided

Westbound

- Speed Data:
  - Posted Speed Limit: 30 MPH
  - Average Speed: 34 MPH
  - 85% Speed: 39 MPH
  - 13.1% of Traffic is going at least 40 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 2,932 vehicles
  - Collector Roadway
  - Two lanes undivided

Land Use Context:

- Proximate to Bristow Middle School, which includes crossing guard location at Fern Street and Walbridge Street for students walking to/from school
- Near recreational area – Elizabeth Park
- Proximate to senior living complex - AVIVA West Hartford

Police Citations (Speeding): 6
(August 2022-August 2024 data)

Segment Crash Table – Speeding-Related Crashes FERN ST – Steele Rd to Highland St

Crash ID	Town	Date	Crash Severity	Most Severe Injury	Name of Roadway	Name of Intersecting Roadway	Manner of Collision
892834	West Hartford	1/5/2022 7:18	Injury of any type (Serious, Minor, Possible)	Suspected Minor Injury (B)	FERN ST	STEELE RD	Not Applicable

Location 4:
Fern St
Between Steele Rd and Highland St

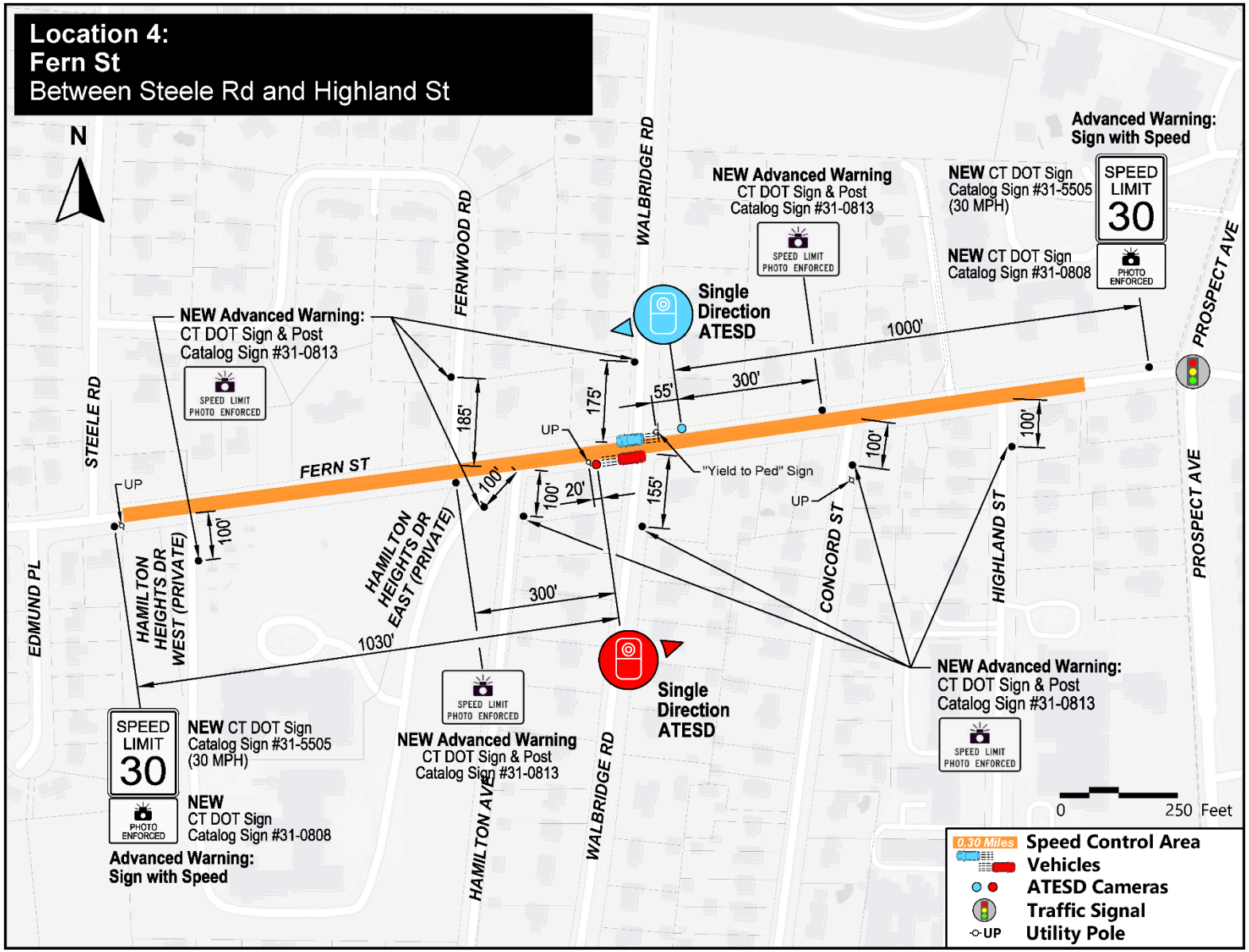
Legend
Direction of Travel



Fern St (Looking West)



Fern St (Looking East)


Location 4:
Fern St
Between Steele Rd and Highland St
N
FERN ST
STEELE RD
FERNWOOD RD
WALBRIDGE RD
PROSPECT AVE
EDMUND PL
HAMILTON HEIGHTS DR WEST (PRIVATE)
HAMILTON HEIGHTS DR EAST (PRIVATE)
CONCORD ST
HIGHLAND ST
HAMILTON AVE
NEW Advanced Warning:
CT DOT Sign & Post
Catalog Sign #31-0813
SPEED LIMIT PHOTO ENFORCED
NEW Advanced Warning
CT DOT Sign & Post
Catalog Sign #31-0813
Single Direction ATESD
Advanced Warning:
Sign with Speed
NEW CT DOT Sign
Catalog Sign #31-5505
(30 MPH)
SPEED LIMIT 30
NEW CT DOT Sign
Catalog Sign #31-0808
PHOTO ENFORCED
"Yield to Ped" Sign
UP
1000'
300'
55'
175'
185'
100'
20'
155'
1030'
0
250 Feet
0.30 Miles
Speed Control Area
Vehicles
ATESD Cameras
Traffic Signal
Utility Pole

Location No. 5 – FLATBUSH AVE – Price Blvd to Oakwood Ave (School Zone)

Eastbound

- Speed Data:
  - Posted Speed Limit: 25 MPH
  - Average Speed: 37 MPH
  - 85% Speed: 43 MPH
  - 70.1% of Traffic is going at least 35 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 2,926 vehicles
  - Collector Roadway
  - Two lanes undivided

Westbound

- Speed Data:
  - Posted Speed Limit: 25 MPH
  - Average Speed: 35 MPH
  - 85% Speed: 41 MPH
  - 57.1% of Traffic is going at least 35 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 3,186 vehicles
  - Collector Roadway
  - Two lanes undivided

Land Use Context:

- Adjacent to Charter Oak Elementary School
- Proximate to athletic fields – Glover Soccer Complex, Charter Oak Elementary fields

Police Citations (Speeding): 5
(August 2022-August 2024 data)

Established School Zone Location

Segment Crash Table – Speeding-Related Crashes FLATBUSH AVE – Price Blvd to Oakwood Ave

Crash ID	Town	Date	Crash Severity	Most Severe Injury	Name of Roadway	Name of Intersecting Roadway	Manner of Collision
1011327	West Hartford	12/15/2022 8:36	Property Damage Only	No Apparent Injury (O)	FLATBUSH AV		Front to rear

Location 5:
Flatbush Ave
Between Price Blvd and Oakwood Ave

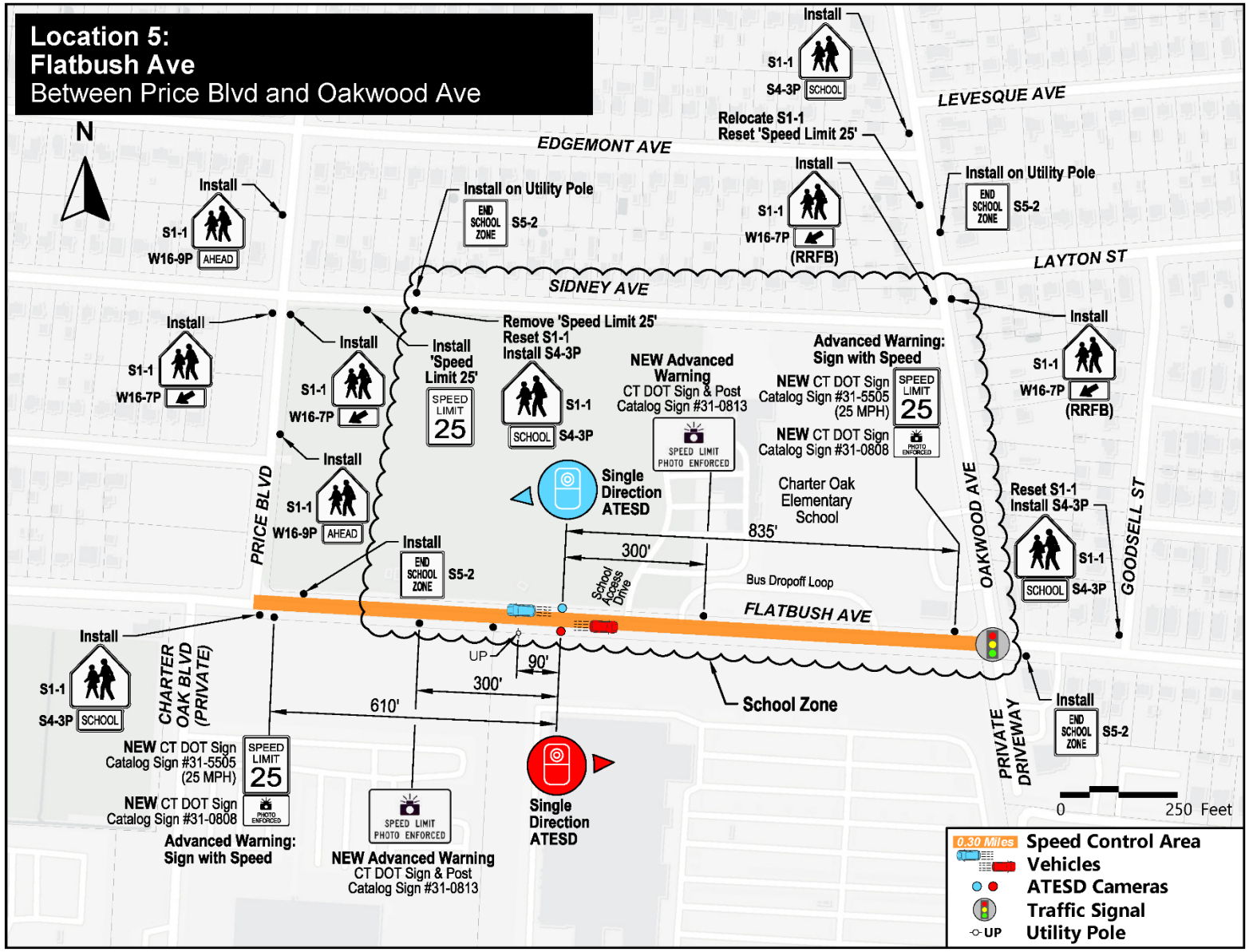
Legend
Direction of Travel



Flatbush Ave (Looking West)



Flatbush Ave (Looking East)


Location 5:
Flatbush Ave
Between Price Blvd and Oakwood Ave
N
EDGEMONT AVE
LEVESQUE AVE
LAYTON ST
SIDNEY AVE
PRICE BLVD
OAKWOOD AVE
GOODSELL ST
FLATBUSH AVE
CHARTER OAK BLVD (PRIVATE)
PRIVATE DRIVEWAY
Install
S1-1
S4-3P SCHOOL
Relocate S1-1
Reset 'Speed Limit 25'
Install on Utility Pole
END SCHOOL ZONE S5-2
W16-9P AHEAD
W16-7P
(RRFB)
Install 'Speed Limit 25'
SPEED LIMIT 25
Remove 'Speed Limit 25'
Reset S1-1
Install S4-3P
SCHOOL S4-3P
NEW Advanced Warning
CT DOT Sign & Post
Catalog Sign #31-0813
SPEED LIMIT PHOTO ENFORCED
Advanced Warning: Sign with Speed
NEW CT DOT Sign
Catalog Sign #31-5505
(25 MPH)
NEW CT DOT Sign
Catalog Sign #31-0808
PHOTO ENFORCED
Single Direction ATESD
Charter Oak Elementary School
835'
300'
School Access Drive
Bus Dropoff Loop
School Zone
UP
90'
610'
Reset S1-1
Install S4-3P
0
250 Feet
0.30 Miles
Speed Control Area
Vehicles
ATESD Cameras
Traffic Signal
Utility Pole

Location No. 6 – KING PHILIP DR – Albany Ave to Mohawk Dr

Northbound

- Speed Data:
  - Posted Speed Limit: 30 MPH
  - Average Speed: 33 MPH
  - 85% Speed: 37 MPH
  - 7.5% of Traffic is going at least 40 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 3,374 vehicles
  - Collector Roadway
  - Two lanes undivided

Southbound

- Speed Data:
  - Posted Speed Limit: 30 MPH
  - Average Speed: 35 MPH
  - 85% Speed: 40 MPH
  - 16.1% of Traffic is going at least 40 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 2,620 vehicles
  - Collector Roadway
  - Two lanes undivided

Land Use Context:

- Proximate to King Philip Middle School
- Proximate to crossing guard location for the middle school at Mohawk Drive
- Near religious establishment with high pedestrian traffic

Police Citations (Speeding): 3
(August 2022-August 2024 data)

Segment Crash Table – Speeding-Related Crashes KING PHILIP DR – Albany Ave to Mohawk Dr

Crash ID	Town	Date	Crash Severity	Most Severe Injury	Name of Roadway	Name of Intersecting Roadway	Manner of Collision
1079250	West Hartford	8/21/2023 17:58	Injury of any type (Serious, Minor, Possible)	Possible Injury (C)	KING PHILIP DR	IROQUOIS RD	Front to rear

Location 6:
King Philip Dr
Between Mohawk Dr and Albany Ave

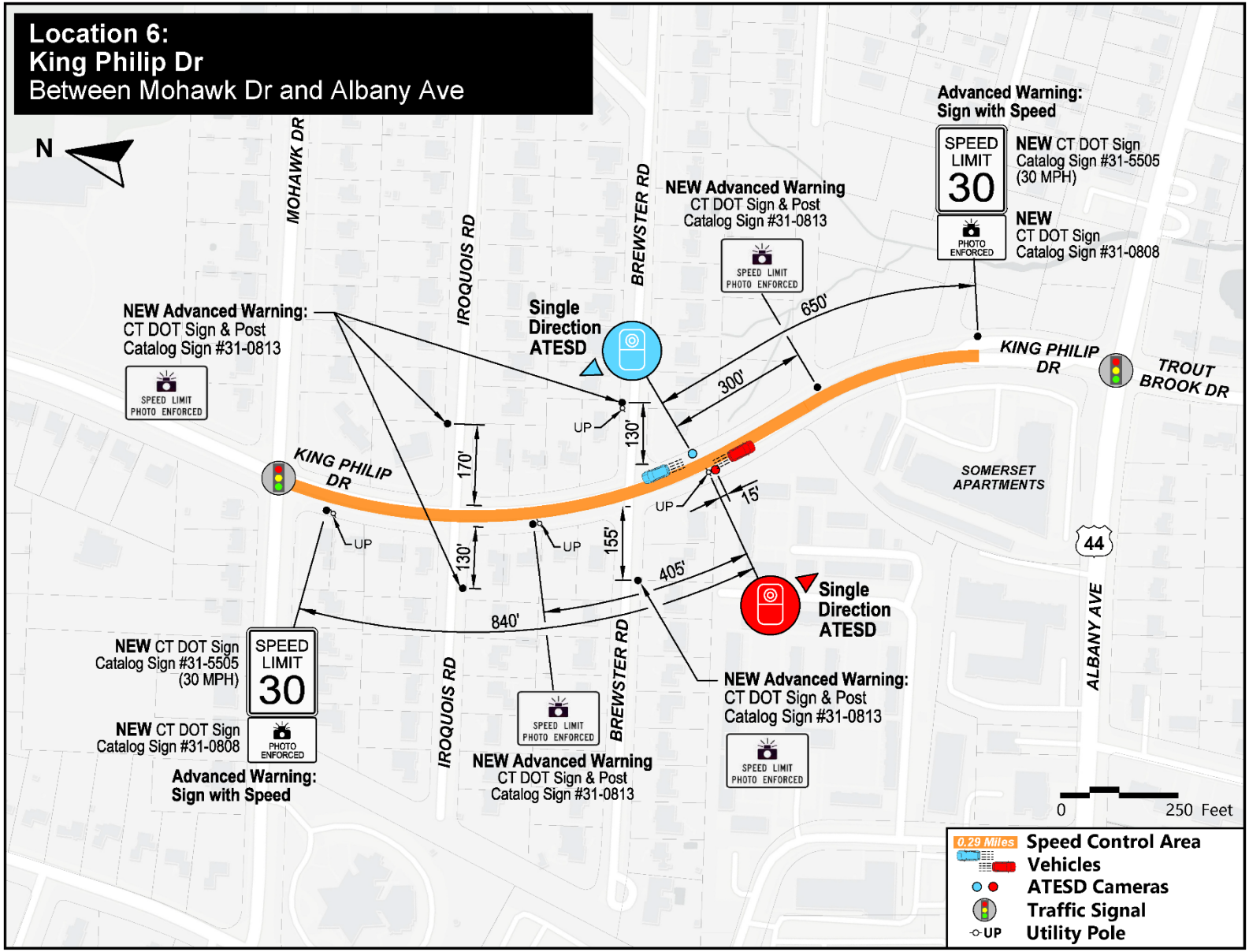
Legend
Direction of Travel



King Philip Dr (Looking North)



King Philip Dr (Looking South)


Location 6:
King Philip Dr
Between Mohawk Dr and Albany Ave
N
MOHAWK DR
IROQUOIS RD
BREWSTER RD
ALBANY AVE
KING PHILIP DR
TROUT BROOK DR
SOMERSET APARTMENTS
44
Advanced Warning:
Sign with Speed
SPEED LIMIT 30
NEW CT DOT Sign
Catalog Sign #31-5505
(30 MPH)
NEW
CT DOT Sign
Catalog Sign #31-0808
PHOTO ENFORCED
NEW Advanced Warning
CT DOT Sign & Post
Catalog Sign #31-0813
SPEED LIMIT
PHOTO ENFORCED
NEW Advanced Warning:
CT DOT Sign & Post
Catalog Sign #31-0813
Single
Direction
ATESD
650'
300'
170'
130'
UP
15'
155'
405'
840'
0
250 Feet
0.29 Miles
Speed Control Area
Vehicles
ATESD Cameras
Traffic Signal
Utility Pole

Location No. 7 – MOUNTAIN RD - Forest Hills Dr to Avondale Rd

Northbound

- Speed Data:
  - Posted Speed Limit: 30 MPH
  - Average Speed: 37 MPH
  - 85% Speed: 41 MPH
  - 27.2% of Traffic is going at least 40 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 4,336 vehicles
  - Minor Arterial
  - Two lanes undivided

Southbound

- Speed Data:
  - Posted Speed Limit: 30 MPH
  - Average Speed: 38 MPH
  - 85% Speed: 42 MPH
  - 33.1% of Traffic is going at least 40 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 5,190 vehicles
  - Minor Arterial
  - Two lanes undivided

Land Use Context:

- Proximate to Norfeldt Elementary School
- Proximate to crossing guard location for the elementary school at Apple Hill Road

Police Citations (Speeding): 6
(August 2022-August 2024 data)

Segment Crash Table – Speeding-Related Crashes MOUNTAIN RD - Forest Hills Dr to Avondale Rd

No speeding-related crashes reported in 2022-2024. Speeding-related crashes were reported in previous years.

Location 7:
Mountain Rd
Between Forest Hills Dr and Avondale Rd

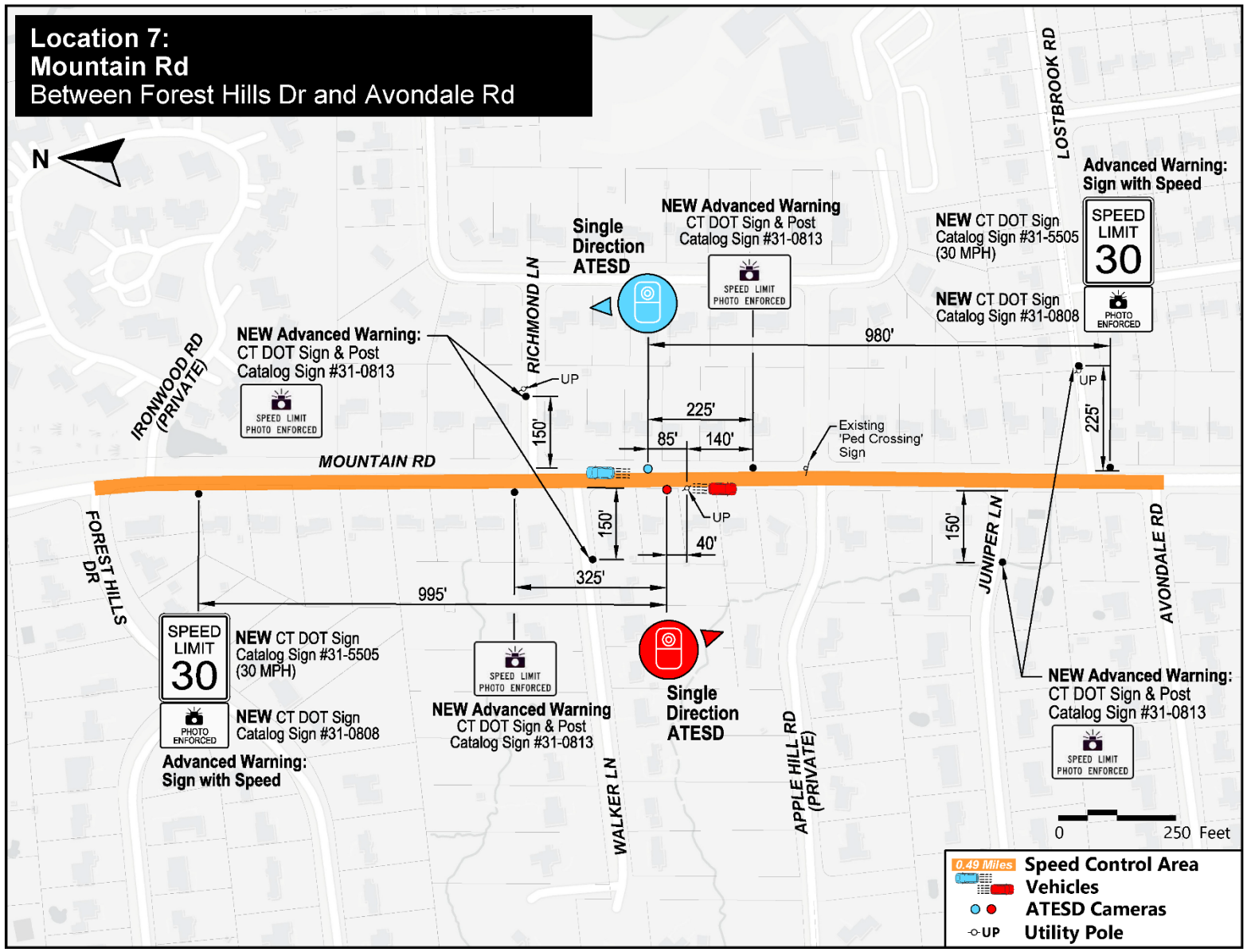
Legend
Direction of Travel



Mountain Rd (Looking North)



Mountain Rd (Looking South)


Location 7:
Mountain Rd
Between Forest Hills Dr and Avondale Rd
N
LOSTBROOK RD
Advanced Warning:
Sign with Speed
SPEED LIMIT 30
PHOTO ENFORCED
NEW CT DOT Sign
Catalog Sign #31-5505
(30 MPH)
NEW CT DOT Sign
Catalog Sign #31-0808
NEW Advanced Warning
CT DOT Sign & Post
Catalog Sign #31-0813
SPEED LIMIT PHOTO ENFORCED
Single Direction ATESD
RICHMOND LN
980'
UP
225'
85'
140'
150'
Existing 'Ped Crossing' Sign
IRONWOOD RD (PRIVATE)
NEW Advanced Warning:
CT DOT Sign & Post
Catalog Sign #31-0813
MOUNTAIN RD
FOREST HILLS DR
995'
325'
40'
JUNIPER LN
AVONDALE RD
WALKER LN
APPLE HILL RD (PRIVATE)
0
250 Feet
0.49 Miles
Speed Control Area
Vehicles
ATESD Cameras
Utility Pole

Location No. 8 – MOUNTAIN RD – Cliffmore Rd to Fern St/Hunter Dr

Northbound

- Speed Data:
  - Posted Speed Limit: 30 MPH
  - Average Speed: 40 MPH
  - 85% Speed: 45 MPH
  - 55.4% of Traffic is going at least 40 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 6,274 vehicles
  - Minor Arterial
  - Two lanes undivided

Southbound

- Speed Data:
  - Posted Speed Limit: 30 MPH
  - Average Speed: 42 MPH
  - 85% Speed: 48 MPH
  - 69% of Traffic is going at least 40 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 6,597 vehicles
  - Minor Arterial
  - Two lanes undivided

Land Use Context:

- Residential development along both sides of roadway

Police Citations (Speeding): 5
(August 2022-August 2024 data)

No speeding-related crashes reported in 2022-2024. Speeding-related crashes were reported in previous years.

Location 8:
Mountain Rd
Between Cliffmore Rd and Fern St/Hunter Dr

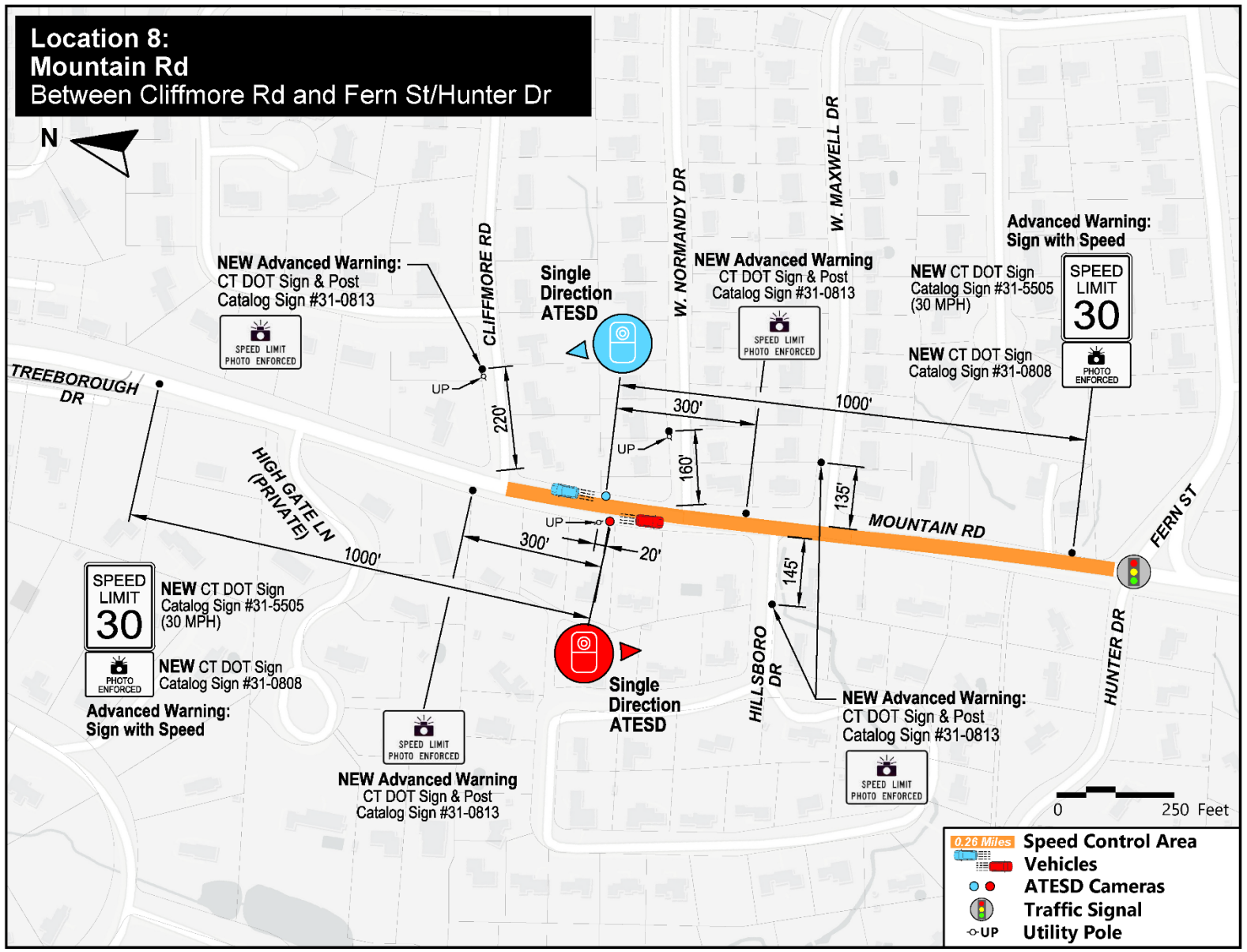
Legend
Direction of Travel



Mountain Rd (Looking North)



Mountain Rd (Looking South)


Location 8:
Mountain Rd
Between Cliffmore Rd and Fern St/Hunter Dr
N
NEW Advanced Warning:
CT DOT Sign & Post
Catalog Sign #31-0813
SPEED LIMIT
PHOTO ENFORCED
CLIFFMORE RD
Single
Direction
ATESD
W. NORMANDY DR
W. MAXWELL DR
NEW Advanced Warning
CT DOT Sign & Post
Catalog Sign #31-0813
Advanced Warning:
Sign with Speed
NEW CT DOT Sign
Catalog Sign #31-5505
(30 MPH)
SPEED
LIMIT
30
NEW CT DOT Sign
Catalog Sign #31-0808
PHOTO
ENFORCED
TREEBOROUGH
DR
UP
220'
300'
1000'
160'
135'
HIGH GATE LN
(PRIVATE)
MOUNTAIN RD
FERN ST
20'
145'
HILLSBORO
DR
HUNTER DR
Single
Direction
ATESD
NEW Advanced Warning:
CT DOT Sign & Post
Catalog Sign #31-0813
NEW Advanced Warning
CT DOT Sign & Post
Catalog Sign #31-0813
0
250 Feet
0.26 Miles
Speed Control Area
Vehicles
ATESD Cameras
Traffic Signal
Utility Pole

Location No. 9 – NEW BRITAIN AVE (Route 173) – Vine Hill Rd to Cortland St

Eastbound

- Speed Data:
  - Posted Speed Limit: 35 MPH
  - Average Speed: 43 MPH
  - 85% Speed: 48 MPH
  - 34% of Traffic is going at least 45 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 9,813 vehicles
  - Principal Arterial
  - Four lanes undivided

Westbound

- Speed Data:
  - Posted Speed Limit: 35 MPH
  - Average Speed: 39 MPH
  - 85% Speed: 45 MPH
  - 18% of Traffic is going at least 45 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 7,739 vehicles
  - Principal Arterial
  - Four lanes undivided

Land Use Context:

- Proximate to Elmwood Commercial area

Police Citations (Speeding): 21
(August 2022-August 2024 data)

Segment Crash Table – Speeding-Related Crashes NEW BRITAIN AVE (Route 173) – Vine Hill Rd to Cortland St

Crash ID	Town	Date	Crash Severity	Most Severe Injury	Name of Roadway	Name of Intersecting Roadway	Manner of Collision
1084530	West Hartford	8/19/2023 11:54	Property Damage Only	No Apparent Injury (O)	173-N	WESTGATE ST	Front to rear
1244367	West Hartford	12/11/2024 16:50	Injury of any type (Serious, Minor, Possible)	Suspected Minor Injury (B)	173-N		Front to rear

Location 9:
New Britain Ave
Between Vine Hill Rd and Cortland St

Legend
Direction of Travel



New Britain Ave (Looking West)



New Britain Ave (Looking East)


Location 9:
New Britain Ave (Route 173)
Between Vine Hill Rd and Cortland St
N
NEW Advanced Warning
CT DOT Sign & Post
Catalog Sign #31-0813
Advanced Warning:
Sign with Speed
SPEED LIMIT 35
NEW CT DOT Sign
Catalog Sign #31-5504
(35 MPH)
PHOTO ENFORCED
NEW CT DOT Sign
Catalog Sign #31-0808
Single Direction ATESD
465'
300'
NEW Advanced Warning:
CT DOT Sign & Post
Catalog Sign #31-0813
SPEED LIMIT PHOTO ENFORCED
VINE HILL RD
DANFORTH LN (PRIVATE)
KINGSLEY CT (PRIVATE)
CORTLAND ST
MAYFLOWER ST
25'
140'
UP
173
NEW BRITAIN AVE
'Intersection' Sign
'Stop Ahead' Sign
195'
55'
125'
150'
"Stop Ahead" Sign
"Warning" Sign
SOMERSET ST
YALE ST
NEW Advanced Warning:
CT DOT Sign & Post
Catalog Sign #31-0813
SPEED LIMIT PHOTO ENFORCED
Remove Existing WB '35 MPH' Sign
COLONIAL ST
FEDERAL ST
365'
1000'
RANDAL ST
WESTGATE ST
NEW Advanced Warning:
CT DOT Sign & Post
Catalog Sign #31-0813
SPEED LIMIT PHOTO ENFORCED
Single Direction ATESD
SPEED LIMIT 35
NEW CT DOT Sign
Catalog Sign #31-5504
(35 MPH)
PHOTO ENFORCED
NEW CT DOT Sign
Catalog Sign #31-0808
Advanced Warning:
Sign with Speed
NEW Advanced Warning
CT DOT Sign & Post
Catalog Sign #31-0813
SPEED LIMIT PHOTO ENFORCED
0
250 Feet
0.19 Miles
Speed Control Area
Vehicles
ATESD Cameras
UP
Utility Pole

Location No. 10 - NEW BRITAIN AVE (Route 71) – Berkshire Rd to Wolcott Rd

Eastbound

- Speed Data:
  - Posted Speed Limit: 35 MPH
  - Average Speed: 38 MPH
  - 85% Speed: 45 MPH
  - 16.3% of Traffic is going at least 45 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 9,433 vehicles
  - Principal Arterial
  - Four lanes undivided

Westbound

- Speed Data:
  - Posted Speed Limit: 35 MPH
  - Average Speed: 39 MPH
  - 85% Speed: 44 MPH
  - 13.1% of Traffic is going at least 45 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 6,948 vehicles
  - Principal Arterial
  - Four lanes undivided

Land Use Context:

- Adjacent to recreation area – Wolcott Park
- Proximate to Wolcott Elementary School

Police Citations (Speeding): 16
(August 2022-August 2024 data)

No speeding-related crashes reported in 2022-2024. Speeding-related crashes were reported in previous years.

Location 10:
New Britain Ave (Route 71)
Between Berkshire Rd and Wolcott Rd

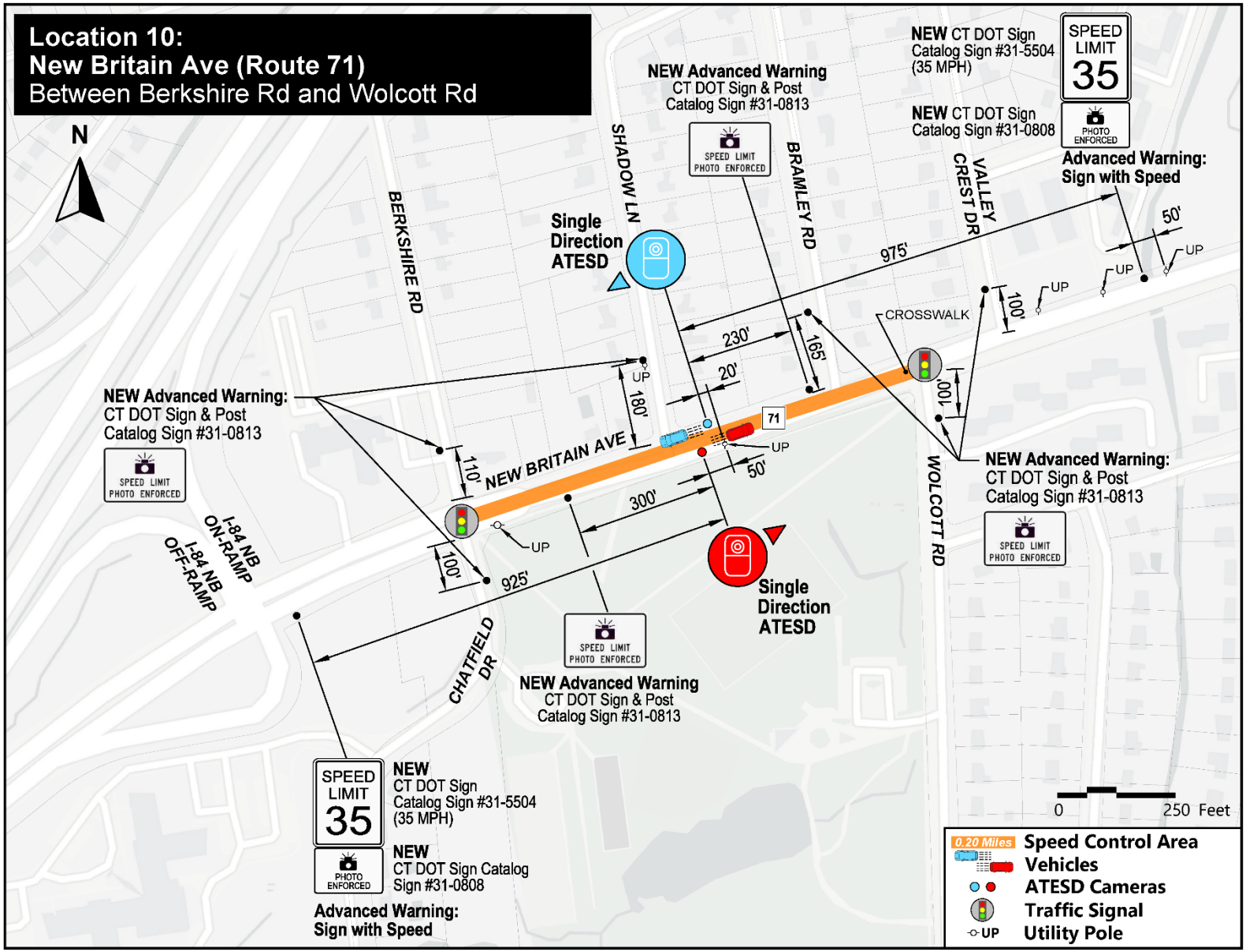
Legend
Direction of Travel



New Britain Ave (Looking West)



New Britain Ave (Looking East)


Location 10:
New Britain Ave (Route 71)
Between Berkshire Rd and Wolcott Rd
N
BERKSHIRE RD
SHADOW LN
BRAMLEY RD
VALLEY CREST DR
WOLCOTT RD
CHATFIELD DR
I-84 NB ON-RAMP
I-84 NB OFF-RAMP
NEW BRITAIN AVE
71
NEW Advanced Warning
CT DOT Sign & Post
Catalog Sign #31-0813
NEW CT DOT Sign
Catalog Sign #31-5504
(35 MPH)
NEW CT DOT Sign
Catalog Sign #31-0808
SPEED LIMIT 35
PHOTO ENFORCED
SPEED LIMIT PHOTO ENFORCED
Single Direction ATESD
Advanced Warning:
Sign with Speed
CROSSWALK
UP
975'
230'
165'
20'
180'
110'
300'
925'
100'
50'
0
250 Feet
0.20 Miles
Speed Control Area
Vehicles
ATESD Cameras
Traffic Signal
Utility Pole

Location No. 11 – N. MAIN ST (Route 218) – Old Meadow Rd to Whitehill Dr/Miller Rd

(Pending School Zone)

Northbound

- Speed Data:
  - Posted Speed Limit: 35 MPH
  - Average Speed: 40 MPH
  - 85% Speed: 45 MPH
  - 16.6% of Traffic is going at least 45 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 6,842 vehicles
  - Principal Arterial
  - Two lanes undivided

Southbound

- Speed Data:
  - Posted Speed Limit: 35 MPH
  - Average Speed: 36 MPH
  - 85% Speed: 41 MPH
  - 4% of Traffic is going at least 45 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 6,422 vehicles
  - Principal Arterial
  - Two lanes undivided

Land Use Context:

- Adjacent to William H. Hall High School
- Proximate to crossing guard location for students walking to/from school at Huron Drive
- Proximate to recreation area – Eisenhower Park
- Pending School Zone (OSTA approval)

Police Citations (Speeding): 15

(August 2022-August 2024 data)

Segment Crash Table – Speeding-Related Crashes N. Main St (Route 218) – Old Meadow Rd to Whitehill Dr/Miller Rd

No speeding-related crashes reported in 2022-2024. Speeding-related crashes were reported in previous years.

Location 11:
N. Main St (Route 218)
Between Old Meadow Rd and Whitehill Dr/Miller Rd

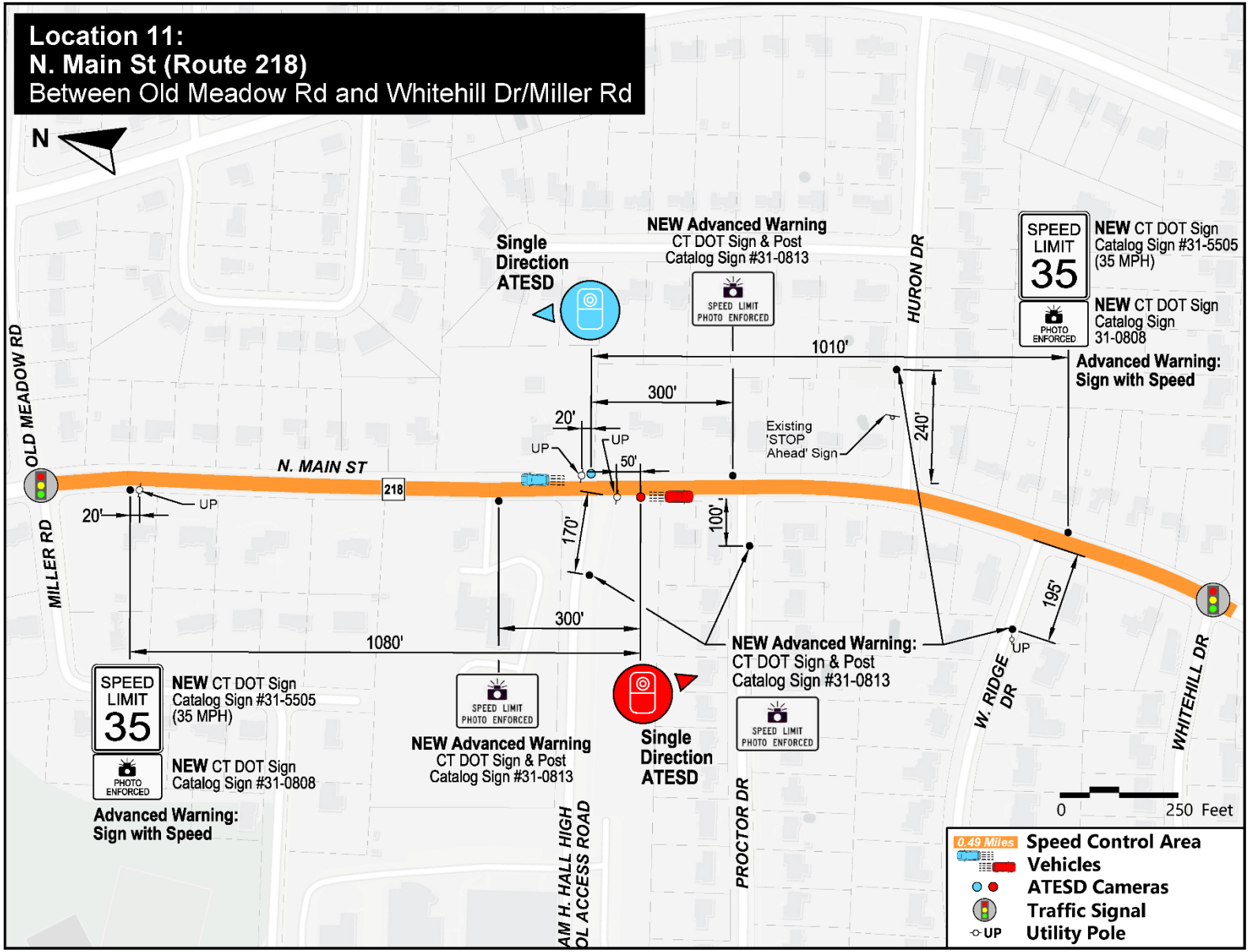
Legend
Direction of Travel



N. Main St (Looking North)



N. Main St (Looking South)


Location 11:
N. Main St (Route 218)
Between Old Meadow Rd and Whitehill Dr/Miller Rd
N
OLD MEADOW RD
MILLER RD
N. MAIN ST
218
HURON DR
W. RIDGE DR
WHITEHILL DR
PROCTOR DR
AM H. HALL HIGH
OL ACCESS ROAD
Single Direction ATESD
NEW Advanced Warning
CT DOT Sign & Post
Catalog Sign #31-0813
SPEED LIMIT PHOTO ENFORCED
SPEED LIMIT 35
NEW CT DOT Sign
Catalog Sign #31-5505
(35 MPH)
PHOTO ENFORCED
NEW CT DOT Sign
Catalog Sign
31-0808
Advanced Warning:
Sign with Speed
1010'
300'
20'
UP
50'
Existing
'STOP
Ahead' Sign
240'
170'
100'
195'
1080'
NEW Advanced Warning:
CT DOT Sign & Post
Catalog Sign #31-0813
0
250 Feet
0.49 Miles
Speed Control Area
Vehicles
ATESD Cameras
Traffic Signal
Utility Pole

Location No. 12 – N. MAIN ST – Brookside Blvd to Fern St

Northbound

- Speed Data:
  - Posted Speed Limit: 30 MPH
  - Average Speed: 36 MPH
  - 85% Speed: 41 MPH
  - 21.0% of Traffic is going at least 40 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 8,454 vehicles
  - Principal Arterial
  - Two lanes with Two-way Left Turn Lane

Southbound

- Speed Data:
  - Posted Speed Limit: 30 MPH
  - Average Speed: 36 MPH
  - 85% Speed: 41 MPH
  - 24.5% of Traffic is going at least 40 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 8,844 vehicles
  - Principal Arterial
  - Two lanes with Two-way Left Turn Lane

Land Use Context:

- Adjacent to American School for the Deaf, which has about 175 students

Police Citations (Speeding): 11
(August 2022-August 2024 data)

Crash ID	Town	Date	Crash Severity	Most Severe Injury	Name of Roadway	Name of Intersecting Roadway	Manner of Collision
1238077	West Hartford	12/5/2024 6:26	Injury of any type (Serious, Minor, Possible)	Suspected Minor Injury (B)	NORTH MAIN ST		Angle

Location 12:
N. Main St
Between Brookside Blvd and Fern St

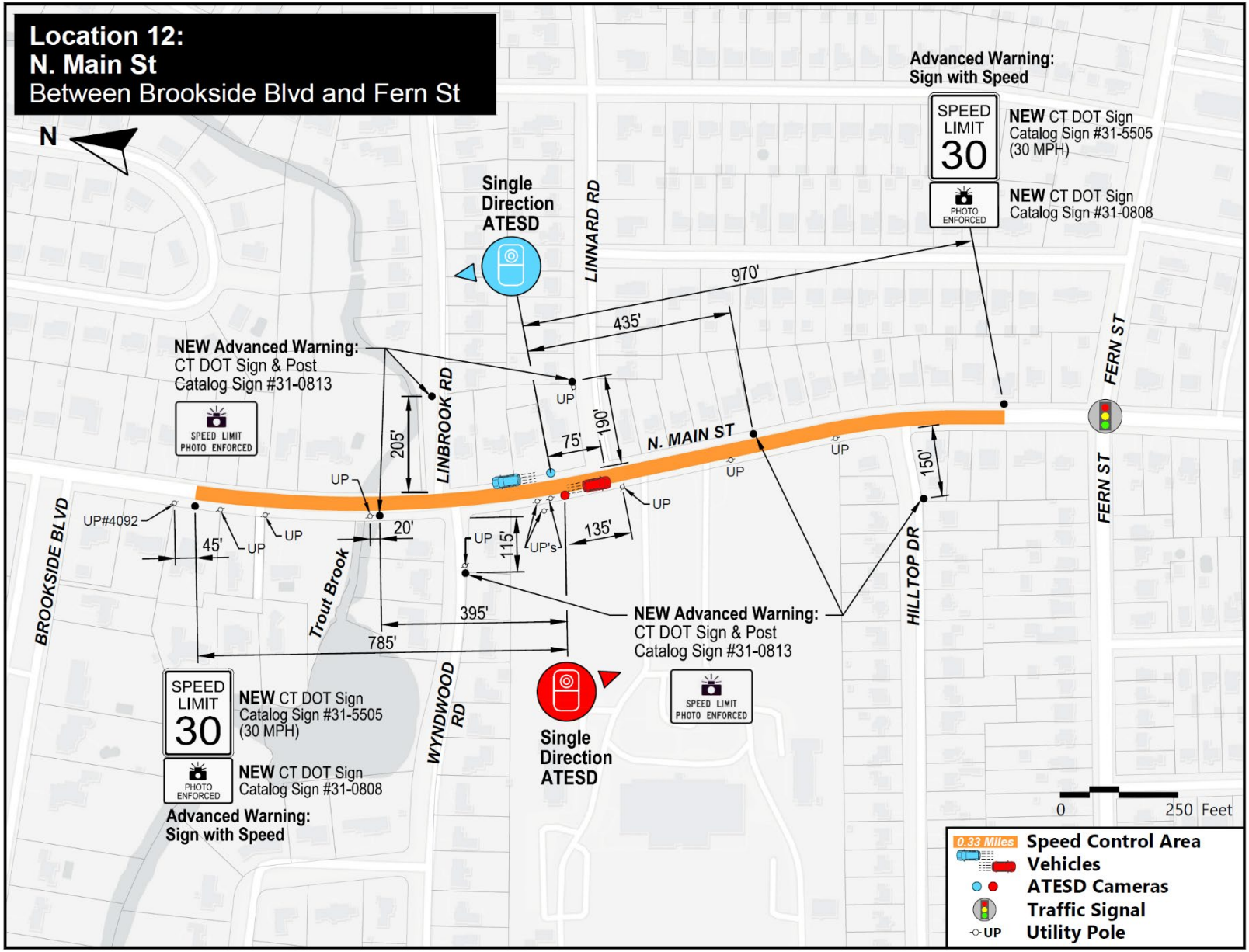
Legend
Direction of Travel



N. Main St (Looking South)



N. Main St (Looking North)


Location 12:
N. Main St
Between Brookside Blvd and Fern St
N
Advanced Warning:
Sign with Speed
SPEED LIMIT 30
NEW CT DOT Sign
Catalog Sign #31-5505
(30 MPH)
PHOTO ENFORCED
NEW CT DOT Sign
Catalog Sign #31-0808
Single Direction ATESD
LINNARD RD
970'
435'
NEW Advanced Warning:
CT DOT Sign & Post
Catalog Sign #31-0813
SPEED LIMIT PHOTO ENFORCED
LINBROOK RD
205'
UP
75'
190'
N. MAIN ST
FERN ST
150'
UP#4092
45'
20'
Trout Brook
115'
UP's
135'
BROOKSIDE BLVD
395'
785'
HILLTOP DR
NEW Advanced Warning:
CT DOT Sign & Post
Catalog Sign #31-0813
SPEED LIMIT PHOTO ENFORCED
WYNDWOOD RD
Single Direction ATESD
SPEED LIMIT 30
NEW CT DOT Sign
Catalog Sign #31-5505
(30 MPH)
PHOTO ENFORCED
NEW CT DOT Sign
Catalog Sign #31-0808
Advanced Warning:
Sign with Speed
0
250 Feet
0.33 Miles
Speed Control Area
Vehicles
ATESD Cameras
Traffic Signal
UP
Utility Pole

Location No. 13 – S. MAIN ST – Hall St to Calvin Rd

Northbound

- Speed Data:
  - Posted Speed Limit: 30 MPH
  - Average Speed: 35 MPH
  - 85% Speed: 40 MPH
  - 16% of Traffic is going at least 40 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 4,536 vehicles
  - Minor Arterial
  - Two lanes undivided

Southbound

- Speed Data:
  - Posted Speed Limit: 30 MPH
  - Average Speed: 35 MPH
  - 85% Speed: 40 MPH
  - 17.7% of Traffic is going at least 40 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 5,207 vehicles
  - Minor Arterial
  - Two lanes undivided

Land Use Context:

- Proximate to crossing guard locations at Elmfield Street and Calvin Road where students are walking to/from school

Police Citations (Speeding): 1
(August 2022-August 2024 data)

Segment Crash Table – Speeding-Related Crashes S. MAIN ST – Hall St to Calvin Rd

Crash ID	Town	Date	Crash Severity	Most Severe Injury	Name of Roadway	Name of Intersecting Roadway	Manner of Collision
896998	West Hartford	1/7/2022 6:08	Property Damage Only	No Apparent Injury (O)	SOUTH MAIN ST NO 1		Not Applicable

Location 13:
S. Main St
Between Hall St and Calvin Rd

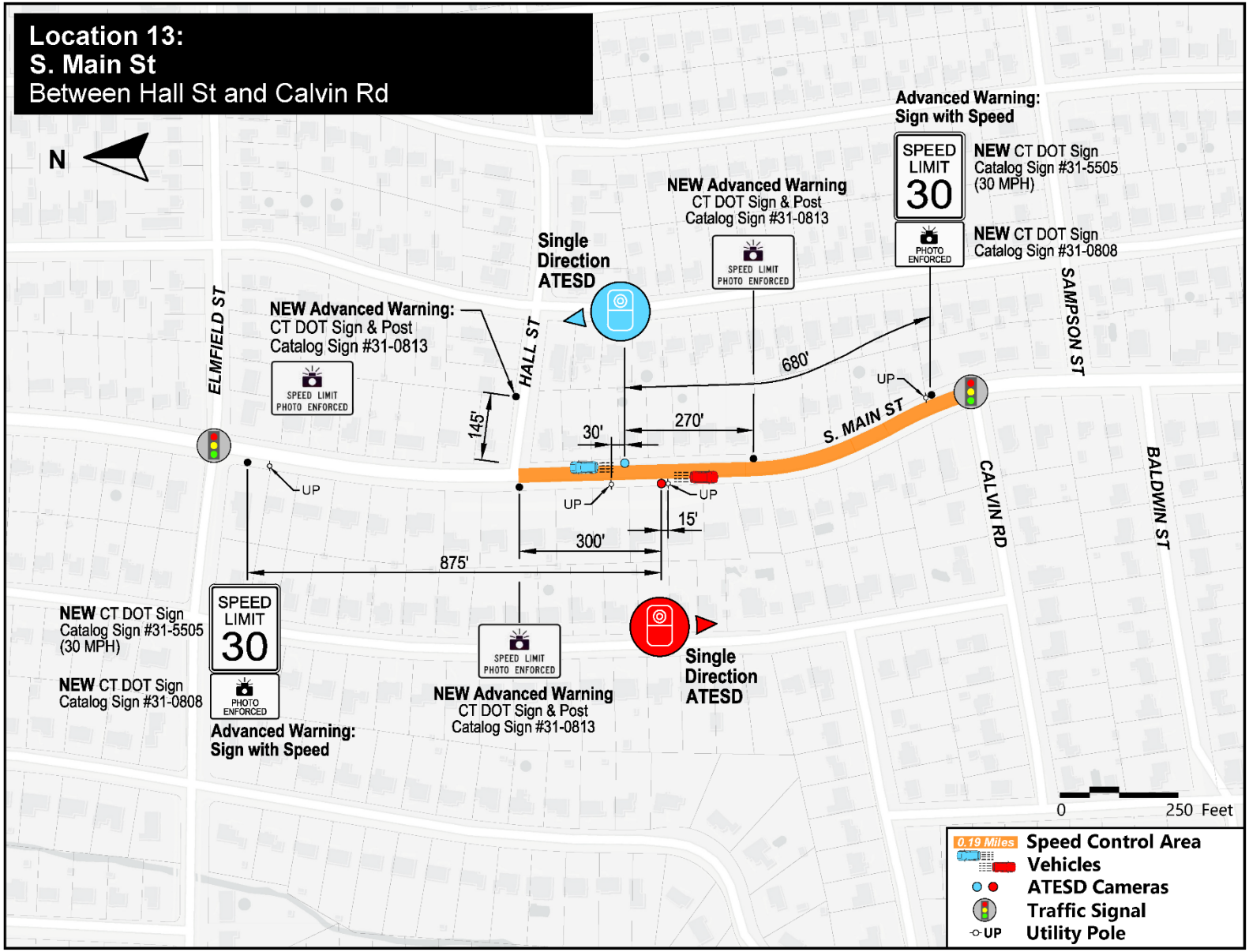
Legend
Direction of Travel



S. Main St (Looking North)



S. Main St (Looking South)


Location 13:
S. Main St
Between Hall St and Calvin Rd
N
Advanced Warning:
Sign with Speed
SPEED LIMIT 30
PHOTO ENFORCED
NEW CT DOT Sign
Catalog Sign #31-5505
(30 MPH)
NEW CT DOT Sign
Catalog Sign #31-0808
NEW Advanced Warning
CT DOT Sign & Post
Catalog Sign #31-0813
SPEED LIMIT PHOTO ENFORCED
Single Direction ATESD
NEW Advanced Warning:
CT DOT Sign & Post
Catalog Sign #31-0813
ELMFIELD ST
HALL ST
SAMPSON ST
S. MAIN ST
CALVIN RD
BALDWIN ST
680'
270'
145'
30'
15'
300'
875'
UP
0
250 Feet
0.19 Miles
Speed Control Area
Vehicles
ATESD Cameras
Traffic Signal
Utility Pole

Location No. 14 – S. MAIN ST – Sedgwick Rd/Park Rd to Crestwood Rd

Northbound

- Speed Data:
  - Posted Speed Limit: 30 MPH
  - Average Speed: 38 MPH
  - 85% Speed: 42 MPH
  - 32.3% of Traffic is going at least 40 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 6,705 vehicles
  - Minor Arterial
  - Two lanes undivided

Southbound

- Speed Data:
  - Posted Speed Limit: 30 MPH
  - Average Speed: 35 MPH
  - 85% Speed: 41 MPH
  - 20.9% of Traffic is going at least 40 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 7,188 vehicles
  - Minor Arterial
  - Two lanes undivided

Land Use Context:

- Proximate to Webster Hill Elementary School
- Proximate to crossing guard locations at Park Road/Sedgwick Road where students are walking to/from school
- Proximate to commercial area at Park Road and S. Main Street

Police Citations (Speeding): 150
(August 2022-August 2024 data)

Segment Crash Table – Speeding-Related Crashes S. MAIN ST – Sedgwick Rd/Park Rd to Crestwood Rd

Crash ID	Town	Date	Crash Severity	Most Severe Injury	Name of Roadway	Name of Intersecting Roadway	Manner of Collision
1120422	West Hartford	12/2/2023 2:14	Property Damage Only	No Apparent Injury (O)	SOUTH MAIN ST NO 2		Other
1137799	West Hartford	2/13/2024 7:06	Injury of any type (Serious, Minor, Possible)	Suspected Minor Injury (B)	SOUTH MAIN ST NO 2		Not Applicable

Location 14:
S. Main St
Between Sedgwick Rd/Park Rd and Crestwood Rd

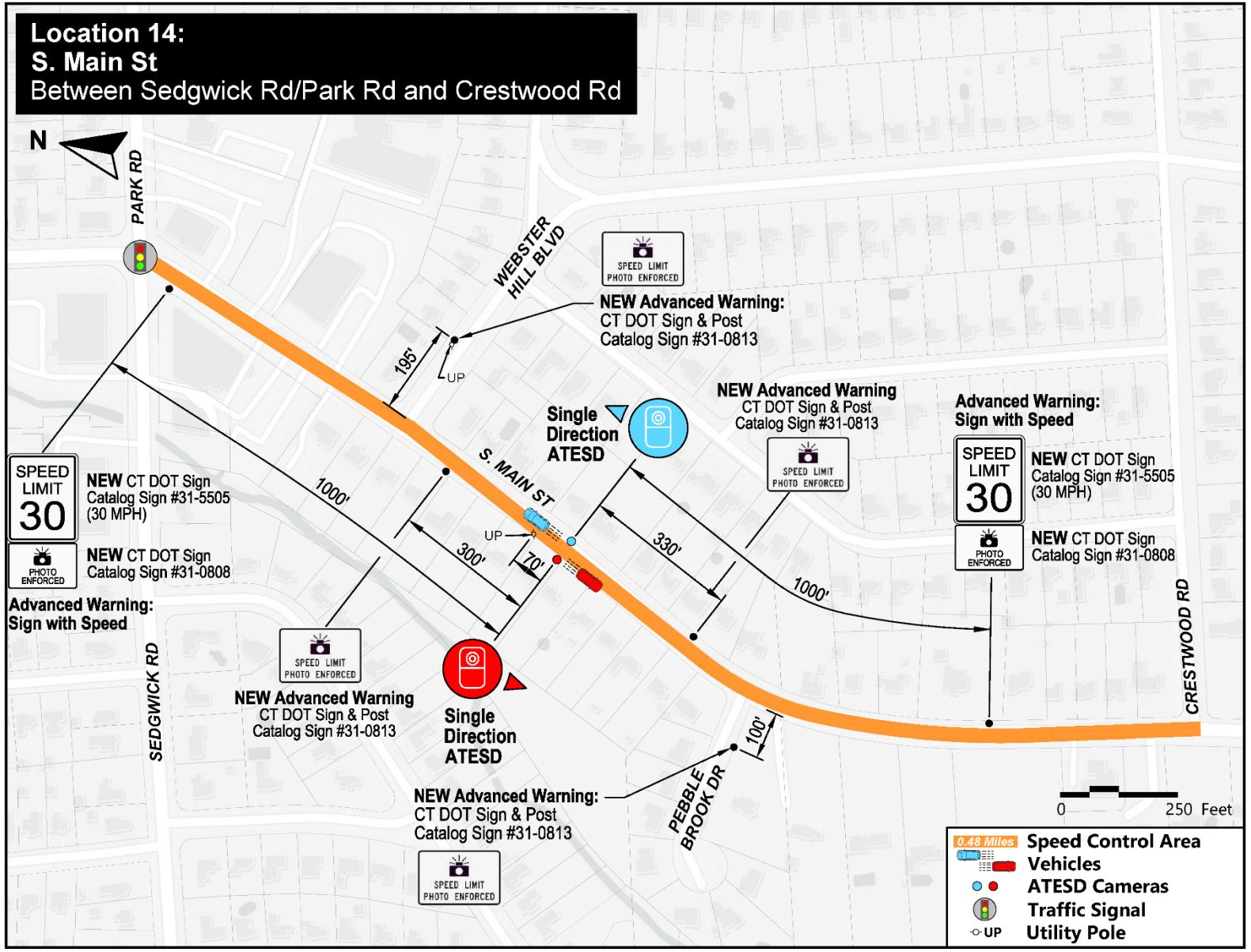
Legend
Direction of Travel



S. Main St (Looking North)



S. Main St (Looking South)


Location 14:
S. Main St
Between Sedgwick Rd/Park Rd and Crestwood Rd
N
PARK RD
WEBSTER HILL BLVD
SPEED LIMIT PHOTO ENFORCED
NEW Advanced Warning:
CT DOT Sign & Post
Catalog Sign #31-0813
195'
UP
Single Direction ATESD
NEW Advanced Warning
CT DOT Sign & Post
Catalog Sign #31-0813
Advanced Warning:
Sign with Speed
SPEED LIMIT 30
NEW CT DOT Sign
Catalog Sign #31-5505
(30 MPH)
PHOTO ENFORCED
NEW CT DOT Sign
Catalog Sign #31-0808
S. MAIN ST
1000'
300'
UP
70'
330'
1000'
Advanced Warning:
Sign with Speed
SPEED LIMIT 30
NEW CT DOT Sign
Catalog Sign #31-5505
(30 MPH)
PHOTO ENFORCED
NEW CT DOT Sign
Catalog Sign #31-0808
CRESTWOOD RD
SEDGWICK RD
SPEED LIMIT PHOTO ENFORCED
NEW Advanced Warning
CT DOT Sign & Post
Catalog Sign #31-0813
Single Direction ATESD
100'
PEBBLE BROOK DR
NEW Advanced Warning:
CT DOT Sign & Post
Catalog Sign #31-0813
SPEED LIMIT PHOTO ENFORCED
0
250 Feet
0.48 Miles
Speed Control Area
Vehicles
ATESD Cameras
Traffic Signal
UP
Utility Pole

Location No. 15 – TROUT BROOK DR – Farmington Ave to Fern St

Northbound

- Speed Data:
  - Posted Speed Limit: 35 MPH
  - Average Speed: 41 MPH
  - 85% Speed: 46 MPH
  - 24.2% of Traffic is going at least 45 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 11,273 vehicles
  - Minor Arterial
  - Four lanes undivided

Southbound

- Speed Data:
  - Posted Speed Limit: 35 MPH
  - Average Speed: 40 MPH
  - 85% Speed: 46 MPH
  - 20.1% of Traffic is going at least 45 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 9,823 vehicles
  - Minor Arterial
  - Four lanes undivided

Land Use Context:

- Adjacent to open space and recreation, including Trout Brook Trail
- Proximate to religious institution with high pedestrian traffic
- Proximate to high density multifamily residential

Police Citations (Speeding): 39
(August 2022-August 2024 data)

Segment Crash Table – Speeding-Related Crashes TROUT BROOK DR – Farmington Ave to Fern St

Crash ID	Town	Date	Crash Severity	Most Severe Injury	Name of Roadway	Name of Intersecting Roadway	Manner of Collision
1085511	West Hartford	9/11/2023 17:46	Injury of any type (Serious, Minor, Possible)	Possible Injury (C)	TROUT BROOK DR		Front to rear
1213613	West Hartford	9/26/2024 12:42	Property Damage Only	No Apparent Injury (O)	TROUT BROOK DR		Front to rear

Location 15:
Trout Brook Dr
Between Fern St and Farmington Ave

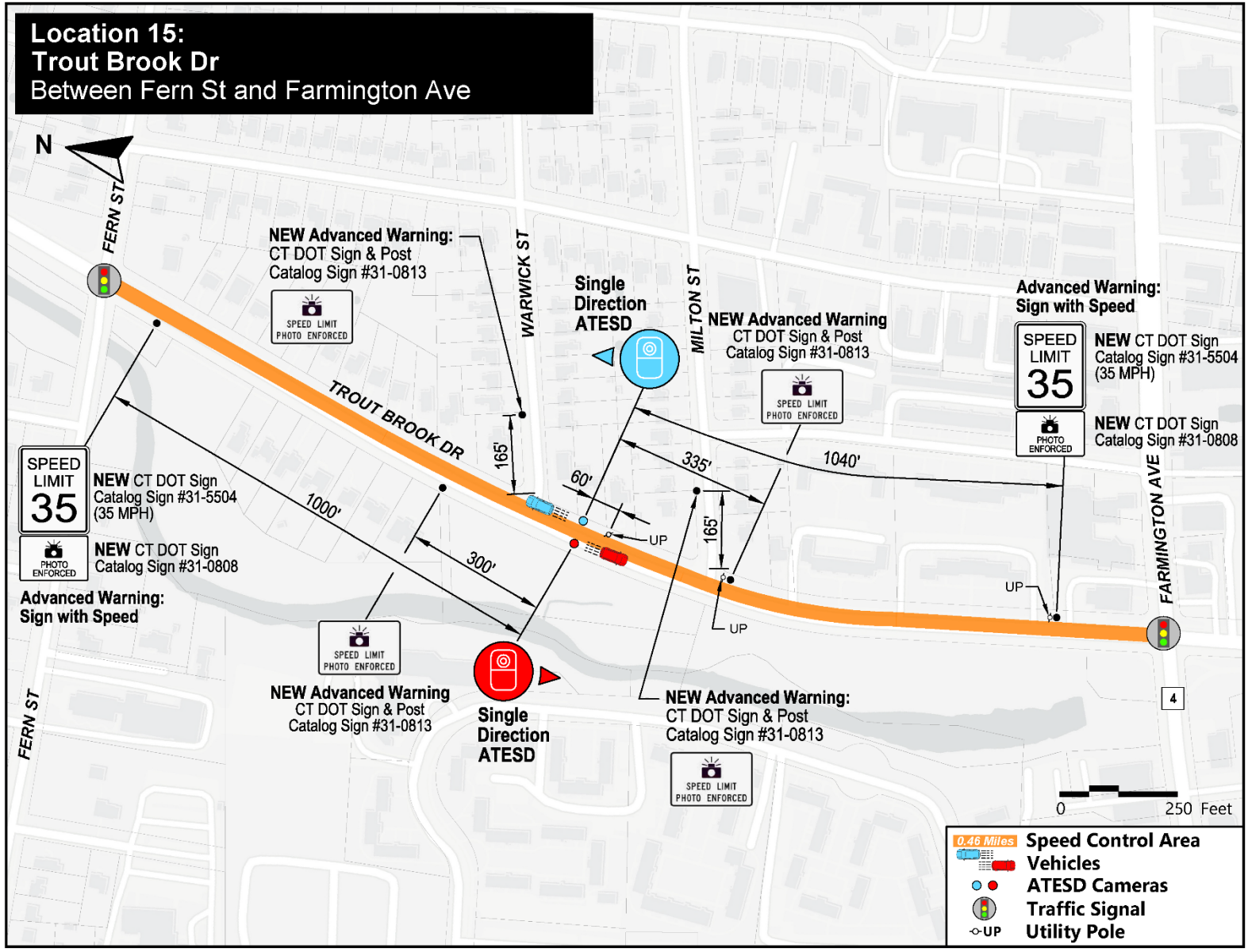
Legend
Direction of Travel



Trout Brook Dr (Looking North)



Trout Brook Dr (Looking South)


Location 15:
Trout Brook Dr
Between Fern St and Farmington Ave
N
FERN ST
TROUT BROOK DR
WARWICK ST
MILTON ST
FARMINGTON AVE
NEW Advanced Warning:
CT DOT Sign & Post
Catalog Sign #31-0813
SPEED LIMIT PHOTO ENFORCED
Single Direction ATESD
NEW Advanced Warning
CT DOT Sign & Post
Catalog Sign #31-0813
Advanced Warning:
Sign with Speed
SPEED LIMIT 35
NEW CT DOT Sign
Catalog Sign #31-5504
(35 MPH)
PHOTO ENFORCED
NEW CT DOT Sign
Catalog Sign #31-0808
165'
60'
335'
1040'
1000'
300'
UP
4
0
250 Feet
0.46 Miles
Speed Control Area
Vehicles
ATESD Cameras
Traffic Signal
Utility Pole

Location No. 16 – TROUT BROOK DR – Memorial Rd to Boulevard

Northbound

- Speed Data:
  - Posted Speed Limit: 35 MPH
  - Average Speed: 39 MPH
  - 85% Speed: 43 MPH
  - 9.7% of Traffic is going at least 45 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 11,538 vehicles
  - Minor Arterial
  - Four lanes undivided

Southbound

- Speed Data:
  - Posted Speed Limit: 35 MPH
  - Average Speed: 40 MPH
  - 85% Speed: 45 MPH
  - 15.5% of Traffic is going at least 45 MPH
- Roadway and Traffic Data:
  - Average daily traffic: 10,800 vehicles
  - Minor Arterial
  - Four lanes undivided

Land Use Context:

- Adjacent to open space and recreation, including Trout Brook Trail
- Adjacent to Kingswood Oxford School and its athletic fields; Kingwood Oxford has approximately 500 students in grades 6-12
- Pedestrians, in particular students from Kingswood Oxford, cross frequently at the Trout Brook Drive and Boulevard and Trout Brook Drive and Memorial Road intersections:
  - Trout Brook Drive and Boulevard: 106 pedestrians (March 10, 2026)
  - Trout Brook Drive and Memorial Road: 241 pedestrian (March 10, 2026)

Police Citations (Speeding): 4

(August 2022-August 2024 data)

Segment Crash Table – Speeding-Related Crashes TROUT BROOK DR – Memorial Rd to Boulevard

No speeding-related crashes reported in 2022-2024. Speeding-related crashes were reported in previous years.

Location 16:
Trout Brook Dr
Between Memorial Rd and Boulevard

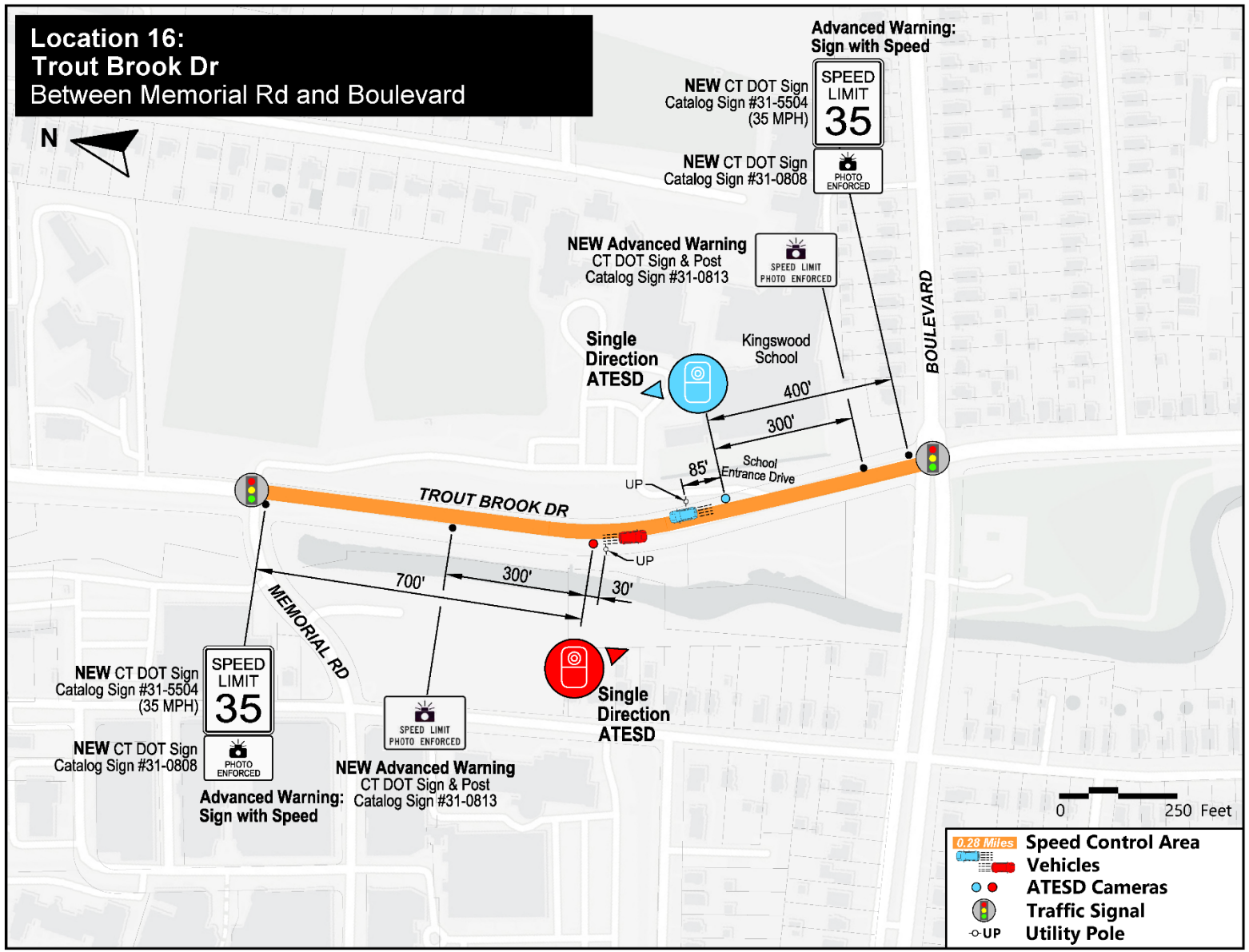
Legend
Direction of Travel



Trout Brook Dr (Looking North)



Trout Brook Dr (Looking South)


Location 16:
Trout Brook Dr
Between Memorial Rd and Boulevard
N
Advanced Warning:
Sign with Speed
NEW CT DOT Sign
Catalog Sign #31-5504
(35 MPH)
SPEED LIMIT 35
NEW CT DOT Sign
Catalog Sign #31-0808
PHOTO ENFORCED
NEW Advanced Warning
CT DOT Sign & Post
Catalog Sign #31-0813
SPEED LIMIT PHOTO ENFORCED
BOULEVARD
Single Direction ATESD
Kingswood School
400'
300'
85'
School Entrance Drive
UP
TROUT BROOK DR
UP
700'
300'
30'
MEMORIAL RD
NEW CT DOT Sign
Catalog Sign #31-5504
(35 MPH)
SPEED LIMIT 35
NEW CT DOT Sign
Catalog Sign #31-0808
PHOTO ENFORCED
Advanced Warning:
Sign with Speed
SPEED LIMIT PHOTO ENFORCED
NEW Advanced Warning
CT DOT Sign & Post
Catalog Sign #31-0813
Single Direction ATESD
0
250 Feet
0.28 Miles
Speed Control Area
Vehicles
ATESD Cameras
Traffic Signal
UP
Utility Pole

Red Light Running Cameras

Letter to OSTA from the Town of West Hartford (7-13-26)

WEST HARTFORD
1854

Town of West Hartford – Office of the Town Manager
50 South Main Street, Room 310, West Hartford, CT 06107
P: (860) 561-7440 F: (860) 561-7438 www.westhartfordct.gov

July 13, 2026

Anna Mermelstein
Executive Director
Office of State Traffic Administration
Connecticut Department of Transportation
2800 Berlin Turnpike
Newington, CT 06131

Ms. Mermelstein:

The Town of West Hartford is pleased to submit the enclosed amended Automated Traffic Enforcement Safety Device (ATESD) Plan in accordance with Connecticut Public Act 23-116, An Act Implementing the Recommendations of the Vision Zero Council.

As you know, the Town of West Hartford received approval from your Office of State Traffic Administration in April 2026 for an ATESD Plan, which included 16 speed camera locations. We now request approval of an amended ATESD Plan to include 16 red-light running camera locations. The addition of the red-light running cameras throughout West Hartford in combination with the approved speed cameras and many completed and ongoing traffic safety projects will allow the Town to achieve its Vision Zero goal of no fatal or severe injury crashes by 2033, if not much sooner.

Our hope is that you concur with the findings of our enclosed amended ATESD Plan. We look forward to your feedback and offer to meet and discuss any questions/concerns that you may have.

Please contact Duane Martin, Director of Community Development, as needed at 860-561-7539 or duanem@westhartfordct.gov.

Regards,



Richard C. Ledwith
Town Manager

Required Documents: Plan Approval Public Hearing Notice and Meeting Minutes (Red Light Running Portion of ATESD Plan)

Hartford Courant
media group

AFFIDAVIT OF PUBLICATION

Sold To
Town of West Hartford Town Council - 113476
50 South Main Street
Rm 313
West Hartford, CT 06107-2485

Bill To
Town of West Hartford Town Council - 113476
50 South Main Street
Rm 313
West Hartford, CT 06107-2485

State of Connecticut

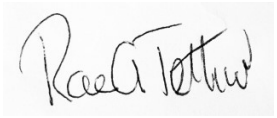
County of Hartford

Order No: 88238
$104.70

I, Rae Tetlow, do solemnly swear that I am a representative of the Hartford Courant, printed and published daily, in the state of Connecticut and that from my own personal knowledge and reference to the files of said publication the advertisement of Public Notices was inserted in the regular edition.

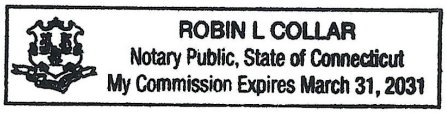
On Dates as Follows:

12 Jun 2026


_____ Rae Tetlow, Representative,

Subscribed and sworn before me on 12 Jun 2026


_____ **Notary Public**



_____
Name of Notary, Typed, Printed, or Stamped

88238

Hartford Courant
media group

AFFIDAVIT OF PUBLICATION

LEGAL NOTICE
TOWN OF WEST HARTFORD

The West Hartford Town Council will hold a public hearing on June 23, 2026 in the Legislative Chamber, Room 314, Town Hall, 50 South Main Street, West Hartford, Connecticut, on the following:
1. 6:45 pm: An Ordinance Concerning Dog Leashes
2. 7:15 pm: An Ordinance and Resolution Dissolving the West Hartford Special Services District

Complete copies of the documents is on file and open to public inspection in the Office of the Town Clerk/Council Clerk, Room 312, Town Hall, 50 South Main Street, West Hartford, Connecticut. All interested persons are invited to attend to be heard.

***

Leon S. Davidoff, Town Clerk/Council Clerk

Anyone requiring auxiliary aid or service for effective communication or modification of policies or procedures to participate in a meeting, service, program or activity of the Town of West Hartford, should contact Suzanne Oslander, ADA Coordinator, at suzanneo@westhartfordct.gov or (860) 561-7580, as soon as possible, preferably seven days beforehand.

6/12/2026 **88238**

88238

TOWN OF WEST HARTFORD

WEST HARTFORD TOWN COUNCIL PUBLIC HEARING

June 23, 2026, 7:05 p.m.,

50 South Main Street

Legislative Chambers, Room 314,

and via Teams

Re: Resolution Directing the Town Manager to Submit an Amended Automated Traffic Enforcement Safety Device Plan to the Connecticut Department of Transportation for Approval

Reporter: Lisa L. Warner, CSR #061

A p p e a r a n c e s:

Council Members:

MAYOR SHARI CANTOR

DEPUTY MAYOR DEBRA POLUN

JOHN LYONS

DR. GAYLE HARRIS

LISA LAZARUS

TIFFANI MCGINNIS

BARRY WALTERS

Town Manager:

RICK LEDWITH, Town Manager

Corporation Counsel:

DALLAS DODGE, ESQ.

Town Clerk/Council Clerk:

LEON DAVIDOFF

Town Project Team:

ASSISTANT POLICE CHIEF LAWRENCE TERRA

DUANE MARTIN, Director of Community Development

PARKER SORENSON, P.E.

Also present:

Joseph C. Balskus, PE, PTOE, VHB (Consultant)

Gregory Sommer, P.E. (Via Teams)

Police Chief Vernon Riddick

(Commenced at 7:05 p.m.)

PRESIDENT CANTOR: Calling the 7 p.m. public hearing to order. This is the Resolution Directing the Town Manager to Submit an Amended Automated Traffic Enforcement Safety Device Plan to the Connecticut Department of Transportation for Approval.

Roll call, Mr. Davidoff.

MR. DAVIDOFF: Good evening, Madam Mayor.

Mayor Cantor.

PRESIDENT CANTOR: Here.

MR. DAVIDOFF: Councilor Harris.

COUNCILOR HARRIS: Here.

MR. DAVIDOFF: Councilor Lazarus.

COUNCILOR LAZARUS: Here.

MR. DAVIDOFF: Councilor Lyons.

COUNCILOR LYONS: Here.

MR. DAVIDOFF: Councilor McGinnis.

COUNCILOR MCGINNIS: Here.

MR. DAVIDOFF: Deputy Mayor Polun.

DEPUTY MAYOR POLUN: Here.

MR. DAVIDOFF: Councilor Walters?

COUNCILOR WALTERS: Here.

MR. DAVIDOFF: Councilor Wang is

absent. Councilor Wenograd is absent. We have a quorum.

PRESIDENT CANTOR: Thank you, Mr. Davidoff.

We will begin with a presentation, Mr. Ledwith.

MR. LEDWITH: Thank you, Madam Mayor. And good evening, everyone. For the record, my name is Rick Ledwith, town manager. And tonight's public hearing concerns a resolution directing the town manager to submit the Town's Amended Automated Traffic Enforcement Safety Device Plan to the State of Connecticut and Federal Highway Administration for their review and approval.

You will recall that this past December, the Council adopted our original ATESD plan, which was subsequently submitted to and approved by both the State of Connecticut and Federal Highway Administration. Tonight, we will discuss our amended plan, which will now include red light cameras in addition to speed cameras, which were in our original plan. This program is a direct extension of the town's Vision Zero commitment, our shared goal to eliminate all traffic-related fatalities and serious injuries by

focusing on safer streets, safer speeds, and safer behaviors.

Speeding and red light running are one of the most consistent factors in serious crashes, and addressing it is a necessary component of protecting pedestrians, cyclists, and drivers alike, particularly in areas with a history of red light running and crashes.

Importantly, this amended plan reflects extensive public input. Prior to bringing this resolution forward, the town hosted a public information session to explain the program and outline where and how the cameras would be used and hear questions and concerns from residents. This amended program has also been before the Community Planning and Economic Development Committee which has helped shape the framework before you this evening. That feedback was reinforced -- has reinforced the importance of transparency and an emphasis on safety, not revenue.

Mr. Town Clerk, if you could move forward to the next slide. Thank you.

I'd like to begin by acknowledging the dedicated team behind this effort. We have in the

audience, Chief Riddick, who is in the audience; and at the table we have Assistant Chief Terra; we have our Director of Community Development, Duane Martin; we have our engineer, Parker Sorenson; we also have our consultant, Joe Balskus, who will be presenting shortly; and we have our town engineer watching from home, Greg Sommer. And together, we've all been working, along with others, to develop a comprehensive and thoughtful plan to improve traffic safety in West Hartford.

Mr. Town Clerk, if you can move forward to the next, one more slide. Thank you.

Why red light cameras? Red light running poses a serious risk to pedestrians, cyclists, and drivers alike. And we are committed to the principle that traffic deaths and serious injuries are unacceptable and preventable. That's why we're proposing the implementation of a red light camera program as part of our Vision Zero strategy. Studies show that automated enforcement can reduce fatal and serious injury crashes by up to 40 percent. These devices are proven tools to encourage safer driver behavior.

If you can move one more. Thank you.

The foundation of this initiative is

House Bill 5917, signed into law in June of '23, which authorizes the use of speed and red light camera runnings in specific locations: Traffic signals for red light running, school zones for speeding, pedestrian safety zones for speeding, as well as other locations for speeding.

As we know, the devices record violations of speeding or running red lights. Images capture license plate, date, time, and location of violation. It does not capture video imagery of anyone driving the car or in the car.

Next screen, please.

As part of our -- both of our programs, we received a Federal Safe Streets and Roads for All (SS4A) grant which will support an 18-month pilot program for our red light enforcement at eight locations which is the topic of tonight's public meeting.

We also received, as we know, a separate Federal Safe Streets and Roads for All (SS4A) grant to support an 18-month speed management pilot program for 15 locations.

And as I mentioned before, and as you know, that plan has been approved by the Connecticut Department of Transportation and

NEPA-approved by the Federal Highway Administration. We are presently out to bid to hire a vendor who will manage both programs for us and expect to have our speed cameras installed this fall, and the red light cameras, should the Council approve tonight, we would hope to have those installed earlier this winter.

Next slide, please.

Requirements for adoption for implementation include the ordinance. As you recall, we adopted, the Council formally adopted our ordinance back in April, April of 2025, and before you this evening is a plan that amends that original plan to add the red light running. So we have our public hearing tonight followed by a Council vote. And then we would package our plan up and send it off to the Connecticut Department of Transportation for their approval and then off to, at the same time, to the Federal Highway Administration for their approval.

Next slide, please.

So the Council approved an ordinance, as I mentioned, on April 8th, consistent with the requirements of state law. And that plan included the speed cameras, which violations covered under

that ordinance were exceeded, speeds exceeding the posted speed limit by 10 miles an hour or more, failure to stop at a steady red traffic signal.

And as we discussed then, and we'll discuss again this evening, violations are municipal citations issued to the owner of the motor vehicle, not to the driver. So it's very similar to receiving a parking ticket.

And per state law, citations are not a moving violation and is not reflected on the driver's record.

Next slide, please.

So, under the review process, the West Hartford Police Department sworn officer or authorized town employee will review and approve recorded images before issuing citations. And the fines include $50 for the first violation and $75 for each subsequent violation within one year. Similar to the speed camera program, a 30-day warning period will be in place before fines are issued for each camera location.

So, as I mentioned, this fall we'll be rolling out the speed enforcement camera program. That will include a 30-day period of issuing warnings. And then, once we ultimately put our

red-light camera program in place, that will also include that same 30-day period.

There are online payment options available with a processing fee not to exceed $15. And vehicle owners may appeal the fine within the 10-day fine -- appeal period.

Next slide, please.

As required by state law, funds collected from fines will be invested directly back into the West Hartford community by supporting transportation safety and mobility improvements and infrastructure enhancements. So essentially anything associated with Vision Zero, we will be utilizing these funds to help pay for all of the infrastructure changes as we move forward to get us closer to zero serious injuries and zero deaths within a 10-year period which is, under our plan, was 2033. Also, costs associated with automated enforcement programs. So, any personnel costs within the police department, within our engineering department can be offset by these fines as well.

And under vendor payment, vendor fees for installation, operation or maintenance of ATESD cannot be contingent on the number of

citations issued or fines paid. So again, this isn't a financial incentive for someone to come in and issue ticket after ticket after ticket for them to be incentivized by issuing more tickets than necessary. For us, again, as I stressed at the beginning, this is about safety for us. This isn't about revenues. So we need to make our streets safer, and we believe these two programs, in addition to all of the engineering and infrastructure changes that we are implementing, will get us to Vision Zero.

Next slide, please.

As I mentioned, no personal identifiable information shall be disclosed by the Town except where disclosure is made in connection with the charging, collection, and enforcement of the fines.

No personally identifiable information shall be stored or retained by the Town or camera vendor unless the information is necessary for the charging, collection, and enforcement of the fines.

This will not be shared with any outside companies. The Town or vendor shall destroy any retained portion of personally

identifiable information not later than one year after the date of such person's most recent violation.

Next slide, please.

State Law and Safe Streets for All grant agreements both require reporting to measure effectiveness of ATESDs, including the number of violations, the crash data at an ATESD site and at similar location without a camera, number of hearings requested and the results of those hearings, the amount of revenue from the fines and fees, and the percentage of fines collected from residents and non-residents. And then we will report the cost to the Town of West Hartford to use our camera program. And then a list of engineering and educational measures undertaken by the municipality to improve safety, which we are well versed in already under our Vision Zero Action Plan, with our annual reports that we provide every year.

Next slide, please.

Notification requirements. State Law requires signs at every camera location. We are also required to notify all navigation applications such as Google Maps, Waze, Apple

Maps, et cetera.

And the town is required to implement an awareness campaign 30 days prior to camera operation. So there will be a lot of public outreach and education coming up prior to the implementation of the camera program.

Next slide, please.

So, as folks may remember, this is an 18-month pilot program. And our ATESD vendor contract will include an option to extend the camera program by an additional 18 months for a total of 36 months, if approved.

And then, per State Law, an ATESD plan is only valid for three years from the date the first camera becomes operational. Continuing the program beyond that three years will require a renewal of our ATESD plan with a new public hearing, similar to what we're doing this evening, with approval by the Town Council. And it is our hope within that three-year period we will see a demonstrably changed driver behavior in town with reduced speeds and fewer, much fewer red light running town wide.

Next slide, please.

This is a summary going back to April

8th of 2025. We had our public hearing to implement our ATESD ordinance. And then last summer, we held two public information meetings for our speed cameras on July 30th and September 3rd. We had two separate Community Planning and Economic Development Committee meetings, one in September, one in October, followed by a public hearing on and formal adoption of our plan on December 17th of 2025. We held a red light running public information meeting on April 28th of this year at Elmwood Community Center, followed by a presentation to our Community Planning and Economic Development meeting on May 20th. And then, of course, we have our public hearing tonight. And we've received outreach from our Vision Zero email address as well and have been on virtually every news organization out there as well as the Hartford Courant and We-Ha. And everywhere we can, we get a chance to speak about this plan, we do, and I think folks have appreciated that type of outreach.

So next slide, please.

And at this point, I will turn things over to Joe Balskus, who will talk a little bit about the process of identifying our locations

that will be included in our plan.

So Mr. Balskus.

MR. BALSKUS: Can you hear okay? Joe Balskus, professional engineer with VHB. We've been involved with speed cameras, as Rick mentioned. So I'm going to run through just what's involved with red light running cameras, how we studied the locations, to come up with the final locations for consideration.

Rick mentioned we had the April 28th meeting, and we had public comments on that, and we note them there, nine individual comments from the public meeting. We actually thought we'd see more people attending actually, but it was good. We also had emails we responded to as well. Next.

So we basically did a town-wide analysis of the signals. These are red light running cameras at traffic signals. So we looked at all the signals in the town to see which ones are viable for red light running cameras, and we looked at the data involved with them. We collected data from the town from our previous studies and information required as part of the Office of the State Traffic Administration requirements for red light running cameras, and we

developed a plan for that, and we finalized the locations. And as Rick said, there's an amendment to the previous ATESD plan for approval. Next.

So how did we do this? We looked at both town signals and DOT signals. Obviously, Albany Avenue has DOT signals. OSTA has these guidelines, the Office of the State Traffic Administration. They promulgated all these ATESD requirements. One of the basic tools that we use is the CT-REDV Tool. Basically, they have a tool on their website for red light running crashes. And that's a foundational aspect of this is that we need to have at least two crashes caused by red light running to even be on this list to start with.

So we started with that, we used that tool. We looked at those crashes. We looked at also bike, vulnerable road user crashes, bike/ped injury crashes. Obviously traffic volumes, that's part of it too, to kind of give us, to weigh in between each one of them. We looked at Vision Zero focus areas, which we did similarly to the speed cameras and police citations, working with Assistant Chief Terra and the Chief on what they have for citation data. And finally pedestrian

areas. So we kind of put it all together. We start with those two crashes that were caused by red light running and put it into our screening methodology that we use, that tool that we developed, and that gave us the locations. So we worked with town staff, Duane, Parker and AC Terra on this as well. Next.

So this is the list of locations that we have to develop the data. And showing the primary intersections as the blue dots, those are our primary eight we're talking about. Those are the highest. Based on the tool we used, those are the locations with the highest crashes, the highest criteria. And then we have the alternates which are the yellow dots as you see there. And there's a whole list there for both blue and yellow on the map as well. Next slide.

And these intersections are nothing that you don't expect. I've been coming to West Hartford. I grew up in East Hartford. I've been coming to West Hartford for probably 50 years now. My uncle and aunt live in town, so I know it very well.

So this is the top half of the town showing the locations of primary and alternate

locations, the major corridors, the ones that we know, you know, Albany Avenues, Trout Brook Drives, all those we know are on the list. Next slide.

So, we are going to put together the plan amendment, as was talked about, and this is an excerpt from the plan amendment showing how we're going to do that. This is the table of contents. We're going to add to these speed cameras to add these locations to that. Next slide.

We have a map here as well. Is it showing up?

This is some of the data we collected I mentioned before. This is the crash data. You see the number of crashes, red light running crashes. One has -- this one has Trout Brook at Albany Avenue. We just talked about that. It has five red light run crashes. So that's some of the data we used. Next slide.

Then this is the plan we put together that kind of shows the data, shows the location. There's the intersection right there, the red is kind of like the area of the intersection between the stop bars. And the key issue is the stop bars

where the stop bar is. And if a vehicle is beyond a stop bar during a red light, then there's a ticket issue there -- or reviewed, I should say.

This shows the signs. And the key part is the signs, what you have for signs around the location. Now, this map here is showing cameras on each approach. It may not be on each approach, but for purposes of the approval, that is what we're doing. So you have signs associated with -- the approach is shown. There's a photo enforcement ahead from the signal, those two signs, that's required on each approach wherever you have a camera. Next slide.

And that is the presentation. Do you have any questions? Thank you.

MR. LEDWITH: Thank you, Joe. And thank you to our Town Council for really moving our Vision Zero initiative, even going back to 2022, when this first became the idea of our team working together to get us to zero deaths and zero serious injuries in ten years. And, you know, between the speed camera program and our red light camera program, we have the opportunity to utilize technology to assist us in that endeavor.

And I quote the chief often with this,

This becomes a force multiplier for us. So we have an outstanding police department, outstanding traffic division. So with our eight red light cameras and our 15 speed cameras, we are now able to deploy our traffic division into other areas of town, ultimately getting us to that safer place sooner rather than later.

So, we look forward to your questions. We have a great team here ready to respond to your questions and any questions that may come up from the public. And we look forward to moving forward. Thank you.

PRESIDENT CANTOR: Thank you very much, Mr. Ledwith. Thank you, Mr. Balskus, appreciate it very much. We obviously have been talking a lot about this for a long time. So great to be here tonight to actually vote on moving it forward.

I don't know if anybody has any questions or comments. Just one minute. We're doing the sign-up sheet. There's nobody signed up.

Is there anybody in the audience that wants to speak to this?

(No response.)

PRESIDENT CANTOR: Mr. Davidoff, were there any written comments?

MR. DAVIDOFF: No, Madam Mayor.

PRESIDENT CANTOR: Okay. All right. I'm going to go to Mr. Walters first out of your committee just because you did discuss this multiple times.

COUNCILOR WALTERS: Thank you, Madam Mayor. And through you, it was discussed a couple times. And, you know, the bottom line is, we need to make our streets safer, and part of that is the responsibility of the drivers, and we share responsibility in making them safer as well. And the red light cameras will be that extra man, so to speak, and help us make our streets safer. Lord knows that me honking at red light runners hasn't been working, so I'm quite optimistic that this will. And I do urge my fellow councilors to vote in the affirmative of it. Thank you.

PRESIDENT CANTOR: Thank you, Mr. Walters.

Ms. Polun.

DEPUTY MAYOR POLUN: Thank you. Through you, Madam Mayor, I think the public will want to know things like what does it mean to go

through a red light, what counts? So I think I heard you say that if you are past the stop line when the light turns red, then you have gone through the red light. And a lot of people will, you know, try to hit through the yellow and it turns red while they're going through. And so those folks should know, like, that's a red light, you're running a red light there.

Can you just, like, clarify that I'm correct about that piece?

MR. LEDWITH: Chief, do you want to handle that, please?

MR. TERRA: Through you, Madam Mayor. So most people when -- I shouldn't say my age here, but when I went to driving school, they taught you what the white line was at the intersection. Many people don't know what that is, even though there's a sign that says stop here. So, if you go beyond the white line with a red light, that's a violation. You are allowed, if you're stopped in the intersection -- a lot of traffic -- if you're stopped there, you're allowed to clear the intersection, right. But we all see people who they know it's going to change to red, and what do they do? They push into the

intersection to stay there. Again, the rule is, if you pass the white stop line with a red light, that's a violation.

DEPUTY MAYOR POLUN: Thank you.

PRESIDENT CANTOR: Thank you, Ms. Polun.

Ms. McGinnis.

COUNCILOR MCGINNIS: Through you, Madam Mayor. So actually this is a question that just came to my head from Deb's question. If a red light is down because it went down or whatever, what happens, do the cameras automatically stop giving tickets? Because I know that should become a stop sign, but we know that people don't know that, and they think, oh, if I'm in the main way, that means I get to keep going. But I just wondered what would happen if the red light -- also, I drove through one in Hartford today that was down, and I had to deal with that.

MR. TERRA: That's why we have the cameras, but we also have the human element reviewing it, right? So some situations that most people don't know about is, number one, what if there's a construction job going on, the light is cycling, but you have an officer pulling you

through the intersection? You're not going to get a ticket for that because the officer is telling you to do that.

So, what if there's an accident or a detour, something like that? There's so many things that come into play. If the light is down, we all -- I hate to say it again -- we all know that it means a four-way stop, but not everybody stops, right? Again, it depends on the situation. But that's why we review it.

And other things that we look at is, if we can't make out the license plate on there, you're not going to get a ticket because that's unfair. So certain things have to be in order for you to be issued a ticket, if that makes sense.

COUNCILOR MCGINNIS: So would that mean that it would -- let's say there was construction and there was an officer flagging people through and the light was red, if someone was given a ticket, would that be caught on the end of reviewing it before it went out?

MR. TERRA: Well, what happens is we'll get a photo of the intersection, and we can see what's going on.

COUNCILOR MCGINNIS: Okay.

MR. TERRA: And again, what if an emergency vehicle is coming through and it's a red light, what are you supposed to do? Most people don't, you pull over to the right. That may make you violate the intersection. You're not going to get a ticket for that.

COUNCILOR MCGINNIS: Okay. Thank you.

PRESIDENT CANTOR: Thank you, Ms. McGinnis. And that was actually my question about an emergency vehicle. But I think -- so is there review before the ticket goes out? So that a violation occurs, technically, and then it's reviewed, and within how long does the review take place? You're getting it live but --

MR. SORENSON: To you, Madam Mayor. So I'm just pulling from the ordinance. So it states a citation shall be invalid unless mailed to an owner not later than 60 days after the alleged violation, so 60 days.

PRESIDENT CANTOR: Thank you. But for internal expectation maybe is it -- would it be sort of every day, they are reviewed for that day, or would it be by week or how do we envision --

MR. SORENSON: So to you, Madam Mayor. So I guess just the expectation with the vendor.

So there's going to be two reviews essentially for this process. The first level of review will be with the vendor, and then the second level is with town staff before those are submitted. So that will be an ongoing process throughout normal business.

PRESIDENT CANTOR: And the windows of those times have not been specified yet, like a week for the vendor from when a violation and then another week or two weeks, or how does that -- I know we have 60 days overall.

MR. SORENSON: Yeah. I suppose we'd have to wait to --

MR. MARTIN: Duane Martin, director of community development. We don't know that yet. When we select a vendor, we'll have discussions with them to determine that. I don't want to put anything on the record and then we don't meet those goals or what is stated. It depends on the volume of citations that are being reviewed and availability of staff. There's a lot of factors involved.

PRESIDENT CANTOR: Sure. Yeah. I would think the beginning is going to be a little bit challenging. But one of the things that I,

out of the questions that I heard, is to have adequate time, right, to make sure that it's reviewed, and it does sound like that that will happen.

Any other questions?

Dr. Harris.

COUNCILOR HARRIS: Thank you. Through you, Madam Mayor. I had a question regarding the vendor program. Do we have any sense of what that might be costing the town? I know we have a grant, like, for the first 18 months. But after that, what would the cost of the vendor be?

MR. LEDWITH: So, through you, Madam Mayor, to Councilor Harris's question, Mr. Martin, is that -- I mean, that's something we'll determine through the RFP process and the selection of the vendor?

MR. MARTIN: That's correct, yes. There's still some things to understand when we go through this process. My understanding is we obviously have a grant that we're working on, and that includes getting this program off the ground and into where the cameras are actually out and working. Beyond that, we expect the revenue that will be generated by the citations will make the

program self-funded.

COUNCILOR HARRIS: Okay. And if I can just follow up with that. You said, town manager, that there would be no incentive to the vendor to issue tickets. I didn't quite understand how that would even work with an incentive, assuming this is all going to be sort of automated based on -- I wasn't sure how they would --

MR. LEDWITH: So the reason -- through you, Madam Mayor, to Councilor Harris. So the reason for the comment was there could be the perception out there that these companies are just out there, you know, being incentivized by, you know, issuing 5,000 tickets in a month, they get, you know, some kind of extra fee for something like that. There's no -- this is straight, you know, issue a ticket, someone is speeding or someone is running through a red light, and then we're issuing the $50 violation.

COUNCILOR HARRIS: Thank you.

PRESIDENT CANTOR: Thank you, Dr. Harris.

Mr. Lyons.

COUNCILOR LYONS: Thank you, Madam Mayor. Through you, and I'll try to remember

we're in a hearing and not Council, so thank you.

A couple questions. I noticed there were a couple of 84 locations, not what I would call the big one, 84 and Park Road near the center. Does the data, I guess, because it's usually stopped up -- but I see a lot of people run red lights at that intersection. Is the crash data, that's kind of driving the decisions here so that it just didn't meet the threshold?

MR. LEDWITH: Through you, Madam Mayor, to Councilor Lyons' question. Yes. And that did actually come up during one of our CPED meetings. So that's exactly why that location was not selected, it didn't make that initial two-crash criteria.

COUNCILOR LYONS: And in spite of this morning's accident, Mountain Road and Albany, same category or is that because it's Mountain Road and Albany?

MR. LEDWITH: I believe that crash was further up Albany Avenue.

COUNCILOR LYONS: Was it? Okay.

PRESIDENT CANTOR: Yes.

MR. LEDWITH: Yeah. It wasn't at the red light.

COUNCILOR LYONS: Thank you. And then finally, and this is a question I did ask in CPED, but kind of a variation of the question is, I know the system is smart enough to recognize a right on red and not ticket somebody, but if somebody does kind of a rolling right on red, does it delineate, can it differentiate?

MR. LEDWITH: Through you, Madam Mayor, to my team. Does it differentiate the rolling red, Chief?

MR. TERRA: Through you, Madam Mayor. I will be honest. If you do that now with an officer behind you, you're going to get stopped.

COUNCILOR LYONS: Yeah, of course.

MR. TERRA: Because you have to stop like a stop sign and then make your turn unless there's a sign that says no turn on red.

COUNCILOR LYONS: I'll take that as a yes, sir. Thank you.

MR. TERRA: I'll give you that as a yes.

COUNCILOR LYONS: Thank you, Madam Mayor.

PRESIDENT CANTOR: Thank you, Mr. Lyons.

Any other questions on this?

Dr. Harris.

COUNCILOR HARRIS: If I could ask one more through you, Madam Mayor. This may be a variation of what one of my colleagues asked, but if somebody goes into an intersection, assuming that they're trying to make a left turn and they've got a stream of traffic coming the other way and they're kind of waiting there until the traffic, you know, stops so that they can make that left, and then the light changes before they can make the left, according to what I think you said, that would be considered a violation?

MR. TERRA: No.

COUNCILOR HARRIS: Not a violation, okay.

MR. TERRA: No.

COUNCILOR HARRIS: Okay. Maybe you could just clarify that for me.

MR. TERRA: Sure. Through you, Madam Mayor. So, remember, it's the stop line that we're looking at. If they get into the intersection and waiting to make a left turn, they're already in the intersection, they're allowed to clear that just like they would now.

But if it's a red light and they're trying to beat the light, they pass the stop line and then make their left turn, that's a violation.

COUNCILOR HARRIS: So, if they moved into there while there was not a red light but they didn't make it because there was traffic coming the other way, and by the time they tried to make the left turn they're still in that intersection but they couldn't make it because there was too much traffic coming the other way, so --

MR. TERRA: They're allowed to clear the intersection because they're already in the intersection. If I see that now as a police officer, they're allowed to clear it.

COUNCILOR HARRIS: Okay. So you can see that probably on the data?

MR. TERRA: When they set the cameras up. Again, the triggering event is passing the white line, the stop line, while it's a red light.

COUNCILOR HARRIS: All right. Thank you. Appreciate that.

PRESIDENT CANTOR: Thank you, Dr. Harris.

Okay. Any other questions?

(No response.)

PRESIDENT CANTOR: Okay. I hope our fellow councilor comes back. Okay. Good. All right. If there are no other questions, going once, going twice, I am closing this public hearing, and I'm thanking you all. I hope you're going to be here for the Council meeting. Are you? No. Okay.

Then I actually before -- I'm not completely closed then. I just wanted to thank you all very much for the tremendous amount of work to get to this point.

And Greg, I know you're remote, but I appreciate you.

Parker, you've done incredible work on Vision Zero.

And Duane, you've led this process all the way through.

And Chief Terra, thank you for your thoughtful consideration and leadership on this. I think we're going to see a big change.

And thank you to the town manager. I know you're going to be here for the Council meeting.

But thank you all very, very much.

And thank you to our consultant too. Thank you so much, Mr. Balskus.

(Whereupon, the public hearing concluded at 7:40 p.m.)

CERTIFICATE

I hereby certify that the foregoing 34 pages are a complete and accurate computer-aided transcription of my original stenotype notes taken of the WEST HARTFORD TOWN COUNCIL PUBLIC HEARING IN RE: RESOLUTION DIRECTING THE TOWN MANAGER TO SUBMIT AN AMENDED AUTOMATED TRAFFIC ENFORCEMENT SAFETY DEVICE PLAN TO THE CONNECTICUT DEPARTMENT OF TRANSPORTATION FOR APPROVAL, which was held before THE WEST HARTFORD TOWN COUNCIL, 50 South Main Street, Legislative Chambers, Room 314, and via Teams, on June 23, 2026.



Lisa L. Warner, CSR 061
Notary Public
My commission expires:
May 31, 2028

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ATESD Red Light Running Camera Sites 17-26

(In Alphabetical Order by West Hartford Street Name)

Location No. 17 – U.S. ROUTE 44 (ALBANY AVENUE) & TROUT BROOK DRIVE/KING PHILIP DRIVE

Crash Data (2023-2025):

- Number of Intersection Crashes: 32
- Number of Red Light Running Crashes: 3
- Percent of Intersection Crashes that are Red Light Running: 9%
- Vulnerable Road User Crashes: None
- Number of injury crashes: 11

Roadway and Traffic Data:

- Average daily traffic (total of all approaches): 62,871 vehicles
- Roadway Classifications:
  - Albany Ave (Route 44) – Other Principal Arterial
  - Trout Brook Drive – Minor Arterial
  - King Philip Drive – Major Collector
- Roadway Approaches:
  - Albany Ave (Route 44) – Four lanes undivided
  - Trout Brook Drive – Four lanes undivided
  - King Philip Drive – Three lanes

Land Use/VRU Context:

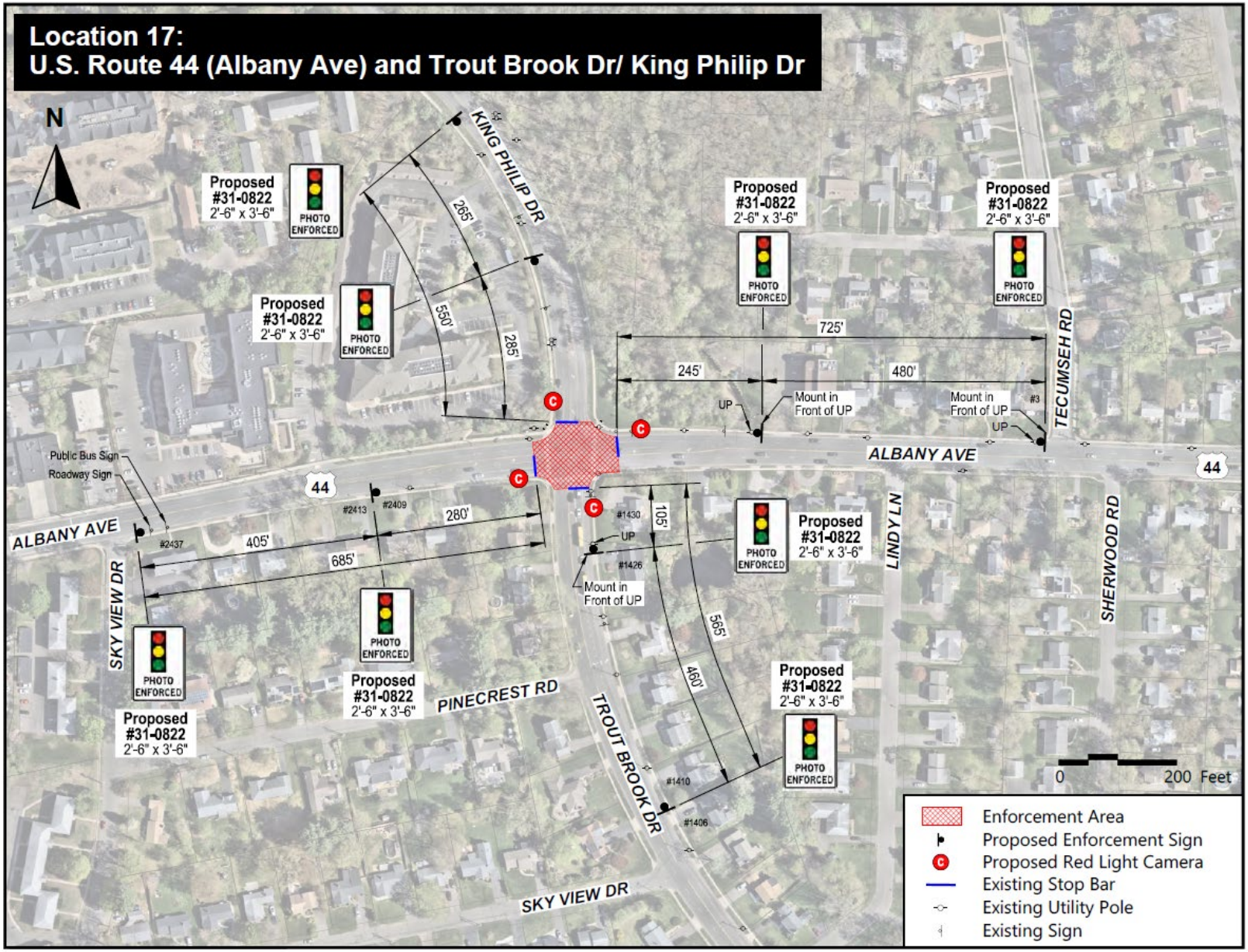
- Adjacent to high density housing, including Somerset Condominiums and Bishop's Place
- Urgent/High Priority Vision Zero Focus Area based on West Hartford Vision Zero Plan
- Location of Crossing Guard for students walking to King Philip Middle School

Police Citations (Red Light Running): 13
(January 2023-December 2025 data)

Intersection Crash Table – Red Light Running Crashes (2023-2025)

U.S. ROUTE 44 (ALBANY AVENUE) & TROUT BROOK DRIVE/KING PHILIP DRIVE

Crash ID	Town	Date	Most Severe Injury	Name Of Roadway	Name Of Intersecting Roadway	Red Light Crash
1029423	West Hartford	3/1/2023	Possible Injury (C)	TROUT BROOK DR	44-E	Driver Ran Red Light
1119976	West Hartford	9/14/2023	No Apparent Injury (O)	44-E	TROUT BROOK DR	Driver Ran Red Light
1281884	West Hartford	5/16/2025	Possible Injury (C)	44-E	TROUT BROOK DR	Driver Ran Red Light


Location 17:
U.S. Route 44 (Albany Ave) and Trout Brook Dr/ King Philip Dr
N
KING PHILIP DR
ALBANY AVE
TECUMSEH RD
LINDY LN
SHERWOOD RD
SKY VIEW DR
PINECREST RD
TROUT BROOK DR
44
Proposed #31-0822 2'-6" x 3'-6"
PHOTO ENFORCED
265'
550'
285'
725'
245'
480'
UP
Mount in Front of UP
#3
Public Bus Sign
Roadway Sign
#2437
#2413
#2409
#1430
#1426
#1410
#1406
405'
685'
280'
105'
565'
460'
0
200 Feet
Enforcement Area
Proposed Enforcement Sign
Proposed Red Light Camera
Existing Stop Bar
Existing Utility Pole
Existing Sign

MOVEMENT DIAGRAM

	NTOR	PHASE 1	PRE-EMPT 1	PHASE 2		PHASE 3		PHASE 4		PHASE 5		PHASE 6	PRE-EMPT 1	PHASE 7		PHASE 8					
	NONE	1		2 5				7 4		5		1 6		8 3 7 4							
	FLASH	GRN	CL	GRN	CL	GRN	CL	GRN	CL	GRN	CL	GRN	CL	GRN	CL	GRN	CL	CL	GRN	CL	CL
1	R	◄ R	◄Y R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R				
2	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R				
3	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R				
4	R	R	R	R	R	R	R	G	Y	R	R	R	R	G	Y	R	R				
5	R	R	R	G	Y	R	R	R	R	◄ R	◄Y R	R	R	R	R	R	R				
6	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R				
7	R	R	R	R	R	R	R	◄ G	◄Y G	G	R	R	R	R	R	G	Y				
8	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y				
P	OFF	◄ DW		►		WØ	◄			DW	►										
				◄ YIELD PT.								◄ YIELD PT.									

INTERVALS																					
	MIN GRN	6		15		7 ①		5		6		15		9							
	WALK					20 ②	ACCESSIBLE PEDESTRIAN SIGNAL														
	PED CLR																				
	VEH EXT	1.5						1.5		1.5				1.5							
	MAX 1	6		30				10		6		30		19							
	MAX 2	6		30				10		6		30		19							
	YELLOW		3.1		4.8		4.0		3.0		3.0		4.8		4.1						
	RED		1.0		3.4		0.0		1.0		1.0		3.4		2.3						
	ADD INIT						COUNTDOWN PEDESTRIAN SIGNAL														
	MAX INIT																				
	TBR																				
	TTR																				
	MIN GAP																				
	MODE	NON-LOCK		MAX RECALL		NON-LOCK		NON-LOCK		NON-LOCK		MAX RECALL		NON-LOCK		OFF					
	INT START			THIS PHASE								THIS PHASE									

DETECTORS

IDENT	SIZE (WXL)*	TYPE	MODE
D1	8' X 35'	VIDEO 360	PRESENCE
D4	9' X 35'	VIDEO 360	PRESENCE
D5	8' X 35'	VIDEO 360	PRESENCE
D7	9' X 35'	VIDEO 360	PRESENCE
D7A	9' X 35'	VIDEO 360	8" DELAY
D7B	9' X 30'	VIDEO 360	PRESENCE
D7C	9' X 30'	VIDEO 360	PRESENCE
D7D	9' X 30'	VIDEO 360	PRESENCE
SD2	9' X 20'	VIDEO 360	PRESENCE
SD2A	9' X 20'	VIDEO 360	PRESENCE
SD6	8' X 20'	VIDEO 360	PRESENCE
SD6A	8' X 20'	VIDEO 360	PRESENCE

* LOCATION AND SIZES OF DETECTION ZONES ARE APPROXIMATE

SYSTEM LOC: MASTER 155-233

COORDINATION TYPE: CLOSED LOOP

PROGRAM FUNCTION	PROGRAM TIME	PROGRAM DAYS	CYCLE	OFFSET SEC	OFFSET %
FLASH	NONE				
	SEE TECH NOTES				

SIGN LEGEND:

Ⓐ EXISTING 31-0307 (ONLY ONLY)

Ⓑ EXISTING 31-0302Z (ONLY ONLY)

Ⓒ EXISTING 31-1526Z ( )

NOTES:

STATE TO MAINTAIN SIGNS AND PAVEMENT MARKINGS ON U.S. ROUTE 44 AND ALL STOP BARS.

TOWN OF WEST HARTFORD TO MAINTAIN PAVEMENT MARKINGS ON TROUT BROOK DR. AND KING PHILIP DR.

TOWN OF WEST HARTFORD TO MAINTAIN SIGNS ON TROUT BROOK DR.

EMERGENCY VEHICLE PRE-EMPTION EQUIPMENT TO BE OWNED AND MAINTAINED BY THE TOWN OF WEST HARTFORD.

ALL CROSSWALK ARE BAR TYPE.

Ⓓ CAT-5E CABLE RUN DIRECTLY FROM CAMERA TO CONTROLLER.

Ⓦ 30" X 30" CONCRETE HANDHOLE

SPAN POLE INFORMATION

ID #	HEIGHT	B.C.	LOAD AT YIELD	INSTALLED
155-207-A	30'	20"	7,800 lbs	1992
155-207-B	30'	20"	7,800 lbs	1992

TECHNICAL NOTES

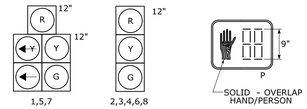
- STANDARD OVERLAP SKIP FEATURES APPLY
- PHASE 4 ON TO CALL PHASE 7.
- PHASES 1 & 5 TO DRIVE FACES 1 & 5 ARROW INDICATIONS.
- PHASES 2 & 6 TO DRIVE FACES 1 & 5 R, Y, G INDICATIONS.
- ① SPEECH MESSAGE ("THE WALK LIGHT IS ON") ONLY DURING PEDESTRIAN WALK INTERVAL.
- ② COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.
- MANUAL AND INTERVAL ADVANCE TO BE DISCONNECTED DURING PHASE 3 PEDESTRIAN CHANGE INTERVAL.
- SIGNAL MAY DOUBLE CYCLE IF PEDESTRIAN TIMING CALLED DURING PATTERNS 1, 2, 3, AND 4.
- TIMINGS SHOWN REFLECT FREE OPERATION.
- ACTUAL COORDINATION INFORMATION TO BE DETERMINED BY THE CLOSED LOOP LOCAL COORDINATION UNIT.

OFFICE RECORD

REV # 17 TIR # N/A SM # 101639 SIGNAL REVISED: 6/6/2019
REVISED TIMINGS UNDER STATE PROJECT NO. 171-398.

REV # 18 TIR # N/A SM # N/A SIGNAL REVISED: 10/22/2025
LOOPS REPLACED WITH CAMERAS BY TRAFFIC SIGNAL LAB.

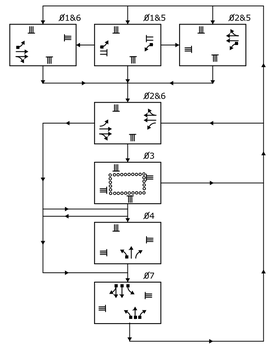
SIGNAL FACES

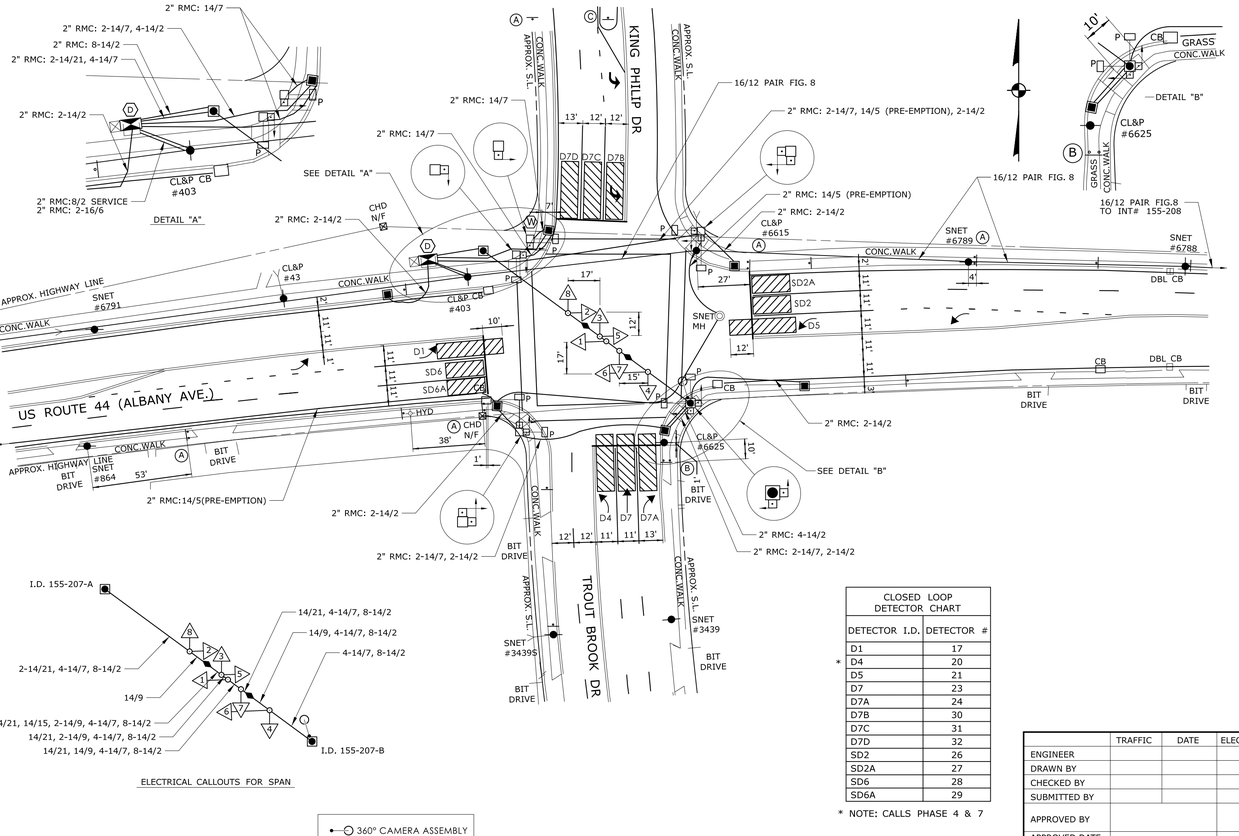


ALL INDICATIONS HAVE LED LAMPS.

PRE-EMPTION SETTINGS

	PRE-EMPT 1
PRIORITY	NO
DET. LOCK	YES
DELAY	0
ALT. MIN. GRN	5
ALT. YELLOW	PARENT
ALT. RED	PARENT
ALT. PED. CLR.	20
HOLD GREEN	30
HOLD YELLOW	4.8
HOLD RED	3.4
HOLD PHASE	1&6
EXIT PHASE	2&6
EXIT CALL	NONE





ELECTRICAL CALLOUTS FOR SPAN

360° CAMERA ASSEMBLY

CLOSED LOOP DETECTOR CHART

DETECTOR I.D.	DETECTOR #
D1	17
* D4	20
D5	21
D7	23
D7A	24
D7B	30
D7C	31
D7D	32
SD2	26
SD2A	27
SD6	28
SD6A	29

* NOTE: CALLS PHASE 4 & 7

	TRAFFIC	DATE	ELECTRICAL	DATE
ENGINEER				
DRAWN BY				
CHECKED BY				
SUBMITTED BY				
APPROVED BY				
APPROVED DATE				

REV # 18 INTERSECTION # 155-207

ENERGY BY - TOWN	ADDRESS #553
MAINT LEVEL 1	SERVICE POLE - CL&P 42
	UNMETERED SERVICE

NO.	DATE	REVISION DESCRIPTION

LEGEND:

R RED
Y YELLOW
G GREEN
◄R RED ARROW
◄Y YELLOW ARROW
◄G GREEN ARROW
WØ WALK/ PED. CLR
D.W. DON'T WALK
FL. FLASHING

PROPOSED WOOD SPAN POLE
EXISTING WOOD SPAN POLE
PROPOSED STEEL SPAN POLE
EXISTING STEEL SPAN POLE
PROPOSED UTILITY POLE
EXISTING UTILITY POLE
PEDESTAL MOUNTING
PEDESTRIAN PUSH BUTTON & SIGN
DIRECTIONAL ARW. FOR PUSH BUTTON

TRAFFIC SIGNAL FACE
PEDESTRIAN SIGNAL FACE
DET. LEADS IN SAW CUT
PROPOSED RMC (RIGID METAL CONDUIT)
EXISTING RMC (RIGID METAL CONDUIT)
AUXILIARY TERMINATION CABINET
AUXILIARY EQUIPMENT CABINET
VIDEO DETECTION ZONE

PROPOSED CONTROLLER
EXISTING CONTROLLER
LOOP DETECTOR
SYSTEM DETECTOR
MAGNETIC DETECTOR
OPTICAL DETECTOR
VIDEO DETECTOR
AUDIO DETECTOR

SIDEWALK RAMP
CABLE CLOSURE
WIRELESS SENSOR
WIRELESS RECEIVER
WIRELESS TRANSMITTER
GUY WIRE
PROPOSED HANDHOLE
EXISTING HANDHOLE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 44 (ALBANY AVE) AT TROUT BROOK DR AND KING PHILIP DR

DATE PLOTTED : 6/1/2026 C:\Users\MermelsteinA\State of Connecticut\DOT Division of Traffic Engineering - Asset - Signal Plans\155-207\018_TR_ASSET_155-207.dgn

SCALE 1" = 40'

TOWN: **WEST HARTFORD**

DRAWING TITLE: **TRAFFIC CONTROL SIGNAL PLAN**

PROJECT NO.

DRAWING NO.

SHEET NO.

Location No. 18 – ASYLUM AVENUE & TROUT BROOK DRIVE

Crash Data (2023-2025):

- Number of Intersection Crashes: 18
- Number of Red Light Running Crashes: 9
- Percent of Intersection Crashes that are Red Light Running: 50%
- Vulnerable Road User Crashes: 1
- Number of injury crashes: 10

Roadway and Traffic Data:

- Average daily traffic (total of all approaches): 50,148 vehicles
- Roadway Classifications:
  - Asylum Ave – Minor Arterial
  - Trout Brook Drive – Minor Arterial
- Roadway Approaches:
  - Asylum Ave – Four lanes undivided
  - Trout Brook Drive – Four lanes undivided

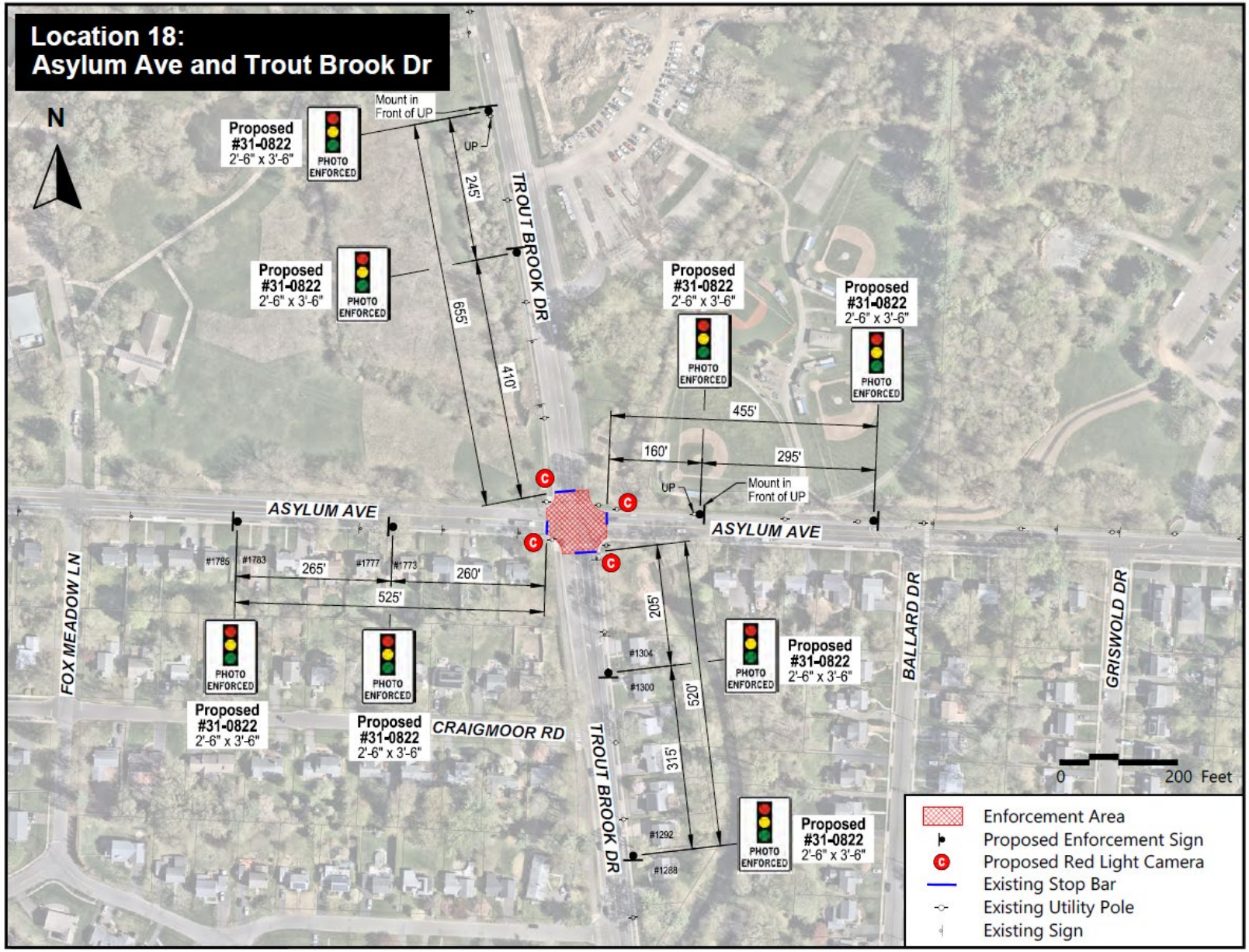
Land Use/VRU Context:

- Adjacent to University of St. Joseph (north side of intersection)
- Adjacent to permitted and under construction high density housing (Heritage Park)
- Medium/Low Priority Vision Zero Focus Area based on West Hartford Vision Zero Plan
- Adjacent to town Little League baseball fields, including a playground and basketball court
- Key university and other student intersection crossing that lacks a crossing guard
- Crossing location for Trout Brook Trail

Police Citations (Red Light Running): 23
(January 2023-December 2025 data)

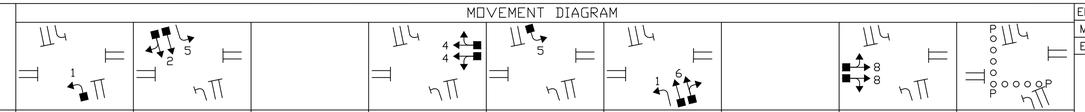
Intersection Crash Table – Red Light Running Crashes (2023-2025) ASYLUM AVENUE & TROUT BROOK DRIVE

Crash ID	Town	Date	Most Severe Injury	Name Of Roadway	Name Of Intersecting Roadway	Red Light Crash
1119985	West Hartford	9/17/2023	No Apparent Injury (O)	ASYLUM AV	TROUT BROOK DR	Driver Ran Red Light
1130167	West Hartford	11/27/2023	Possible Injury (C)	ASYLUM AV	TROUT BROOK DR	Driver Ran Red Light
1134566	West Hartford	1/29/2024	No Apparent Injury (O)	ASYLUM AV	TROUT BROOK DR	Driver Ran Red Light
1175186	West Hartford	6/28/2024	No Apparent Injury (O)	ASYLUM AV	TROUT BROOK DR	Driver Ran Red Light
1239888	West Hartford	12/18/2024	Possible Injury (C)	ASYLUM AV	TROUT BROOK DR	Driver Ran Red Light
1246782	West Hartford	1/21/2025	Suspected Minor Injury (B)	TROUT BROOK DR	ASYLUM AV	Driver Ran Red Light
1285774	West Hartford	4/11/2025	Possible Injury (C)	TROUT BROOK DR	ASYLUM AVE	Driver Ran Red Light
1312968	West Hartford	9/18/2025	Suspected Minor Injury (B)	TROUT BROOK DR	ASYLUM AVE	Driver Ran Red Light
1351514	West Hartford	11/11/2025	Possible Injury (C)	TROUT BROOK DR	Asylum Ave	Driver Ran Red Light


Location 18:
Asylum Ave and Trout Brook Dr
N
Proposed
#31-0822
2'-6" x 3'-6"
PHOTO ENFORCED
Mount in Front of UP
UP
245'
655'
410'
TROUT BROOK DR
455'
160'
295'
ASYLUM AVE
#1785
#1783
#1777
#1773
265'
260'
525'
205'
520'
315'
#1304
#1300
#1292
#1288
FOX MEADOW LN
CRAIGMOOR RD
BALLARD DR
GRISWOLD DR
0
200 Feet
Enforcement Area
Proposed Enforcement Sign
Proposed Red Light Camera
Existing Stop Bar
Existing Utility Pole
Existing Sign

MOVEMENT DIAGRAM

NONE



NTOR		PHASE 1			PHASE 2			PHASE 3			PHASE 4			PHASE 5			PHASE 6			PHASE 7			PHASE 8			PED. PHASE		
	FLASH	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL
1	Y	←R	←Y R	R	R	R	R				R	R	R	R	R	R	G	Y	R				R	R	R	R	R	R
2	Y	R	R	R	G	Y	R				R	R	R	R	R	R	R	R	R				R	R	R	R	R	R
4	R	R	R	R	R	R	R				G	Y	R	R	R	R	R	R	R				R	R	R	R	R	R
5	Y	R	R	R	G	Y	R				R	R	R	←R	←Y R	R	R	R	R				R	R	R	R	R	R
6	Y	R	R	R	R	R	R				R	R	R	R	R	R	G	Y	R				R	R	R	R	R	R
8	R	R	R	R	R	R	R				R	R	R	R	R	R	R	R	R				G	Y	R	R	R	R
P	OFF	DW	DW	DW	DW	DW	DW				DW	DW	DW	DW	DW	DW	DW	DW	DW				DW	DW	DW	WØ	DW	DW
MIN.		5	3	1	10	3	1				5	3	1	5	3	1	10	3	1				5	3	1	4	15	0	0
MAX.		20	5	3	50	5	3				50	5	3	20	5	3	50	5	3				50	5	3	10	18	4	0
MIN GRN		5			10						10			5			10						10					
WALK																										4		
PED CLR																										15		
VEH EXT		2			3						3			2			3						3					
MAX 1		11			15						15			11			15						15					
MAX 2		16			30						30			16			30						30					
YELLOW			3.0			4.6						4.2			3.0			4.6						4.2			4.0	
RED				1.0			1.9						2.1			1.0			1.9						2.1			0.0
ADD INI																												
MAX INT																												
TBR																												
TTR																												
MIN GAP																												
MODE		NON–LOCK			MIN. RECALL			OFF			NON–LOCK			NON–LOCK			MIN. RECALL			OFF			NON–LOCK			NON–LOCK		
INI START					THIS PHASE																							

② ACCESSIBLE PEDESTRIAN SIGNAL

① COUNTDOWN PEDESTRIAN SIGNAL

DETECTORS

IDENT	SIZE (WxL)	TYPE	MODE
D1,D2	7' x 40'	VIDEO	PRESENCE
D2A	10' x 40'	VIDEO	PRESENCE
D4	6' x 40'	VIDEO	PRESENCE
D4A	5' x 40'	VIDEO	PRESENCE
D5,D6	7' x 40'	VIDEO	PRESENCE
D6A	8' x 40'	VIDEO	PRESENCE
D8,D8A	6' x 40'	VIDEO	PRESENCE
SD1,SD2	7' x 10'	VIDEO	PRESENCE
SD3,SD4	6' x 10'	VIDEO	PRESENCE
SD5	7' x 10'	VIDEO	PRESENCE
SD6	8' x 10'	VIDEO	PRESENCE
SD7,SD8	6' x 10'	VIDEO	PRESENCE

PROGRAM

FUNCTION	TIME	DAYS
FLASH	NONE	
MAX. 1	ALL OTHER TIMES	DAILY
MAX. 2	0700–1900	DAILY

COORDINATION TYPE– NONE

CYCLE	OFFSET SEC	OFFSET %	PHASE SPLITS SEC/% Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8	PED.	PERMIS PERIOD Ø	SEC	SYSTEM LOC MASTER

TECHNICAL NOTES

STANDARD OVERLAP SKIP FEATURES APPLY

TRAFFIC SIGNAL TO OPERATE AS FULLY ACTUATED, NON–COORDINATED.

MANUAL AND INTERVAL ADVANCE TO BE DISCONNECTED DURING PEDESTRIAN PHASE CLEARANCE INTERVAL.

PHASES 1 & 5 TO DRIVE FACES 1 & 5 ← AND ←Y ONLY.

PHASES 2 & 6 TO DRIVE FACES 1 & 5 R, Y, AND G.

DETECTORS SD1, SD2, SD3, SD4, SD5, SD6, SD7, AND SD8 ARE FOR TRAFFIC COUNTING PURPOSES ONLY.

① COUNTDOWN DISPLAYS SHALL ONLY BE USED DURING FLASHING PEDESTRIAN CLEARANCE INTERVAL.

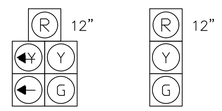
② THE PEDESTRIAN PUSH BUTTON ASSEMBLY SHALL SAY "ALL WALK SIGNS ON" DURING PEDESTRIAN WALK INTERVAL.

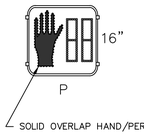
LEGEND:
R RED, Y YELLOW, G GREEN, ←R RED ARROW, ←Y YELLOW ARROW, ← GREEN ARROW, WØ WALK/ PED. CLR, D.W. DON'T WALK, FL. FLASHING

ENERGY BY–TOWN	METER # – UNMETERED
MAINT LEVEL: NORMAL	SERVICE POLE– SNET 6556
ENERGY USAGE = 155 KW–HR/MO	

INTERSECTION # WH–54

SIGNAL FACES





ALL INDICATIONS TO HAVE LED LAMPS.
FACES 4 AND 8 TO HAVE BACKPLATES.

OFFICE RECORD

OSTA# 155–2109–02 SM #

SIGNAL REVISED: APRIL 2007
ADDED NORTHBOUND/SOUTHBOUND QUAD PHASING
INSTALLED ALL NEW SIGNAL EQUIPMENT UNDER STATE PROJECT NO. 155–161.

SIGNAL REVISED: AUGUST 2018
EXTENDED MAX 2 TIMINGS UNTIL 1900.

SIGNAL REVISED: JANUARY 2022
APS EQUIPMENT ADDED, CLEARANCE TIMES/SOUTHERLY CROSSWALK REVISED UNDER STATE PROJECT 0170–3513GR

TOWN SIGNAL

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
BUR. OF ENGINEERING & HWY OPERATIONS
DIVISION OF TRAFFIC ENGINEERING

TRAFFIC CONTROL SIGNAL

TOWN OF WEST HARTFORD
TROUT BROOK DRIVE AT
ASYLUM AVENUE

REV # 2	TRAFFIC	DATE	ELECTRICAL	DATE
ENGINEER	DJM	4/2007	DJM	4/2007
DRAFTER	DJM	4/2007	DJM	4/2007
CHECKED BY	SW	4/2007	SW	4/2007

SUBMITTED BY	TOWN OF WEST HARTFORD
	DIVISION OF ENGINEERING
DATE	APRIL 2007

CONSTRUCTION NOTES

1. ALL TRAFFIC SIGNAL EQUIPMENT AND SIGNS ARE EXISTING EXCEPT AS NOTED
2. WH DPW TO REMOVE EXISTING PUSHBUTTONS AND INSTALL THREE (3) APS BUTTONS AT LOCATIONS SHOWN Ⓑ ON EXISTING MAST ARM SHAFTS; ONE (1) TO BE INSTALLED ON NEW 4' PEDESTAL, SOUTHWEST CORNER Ⓑ
3. SIDEWALK CONTRACTOR TO REPLACE EXISTING SIDEWALK RAMPS ON NORTHWEST, SOUTHWEST, AND SOUTHEAST CORNERS WITH ADA COMPLIANT CONCRETE RAMPS; ADDITIONAL RAMP TO BE ADDED AT SOUTHWEST CORNER
4. SIDEWALK CONTRACTOR SHALL CONTACT CALL BEFORE YOU DIG AT 811 PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES
5. ALL WORK, EQUIPMENT, AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST STANDARD DETAILS AND SPECIFICATIONS FOR THE TOWN OF WEST HARTFORD AND THE CONNECTICUT DEPARTMENT OF TRANSPORTATION
6. UPDATE CLEARANCE INTERVALS

Ⓚ REMOVE ALL RADIO EQUIPMENT AND SEAL HOLES IN MAST ARMS

SIGN LEGEND

Ⓐ EXISTING 31–0307

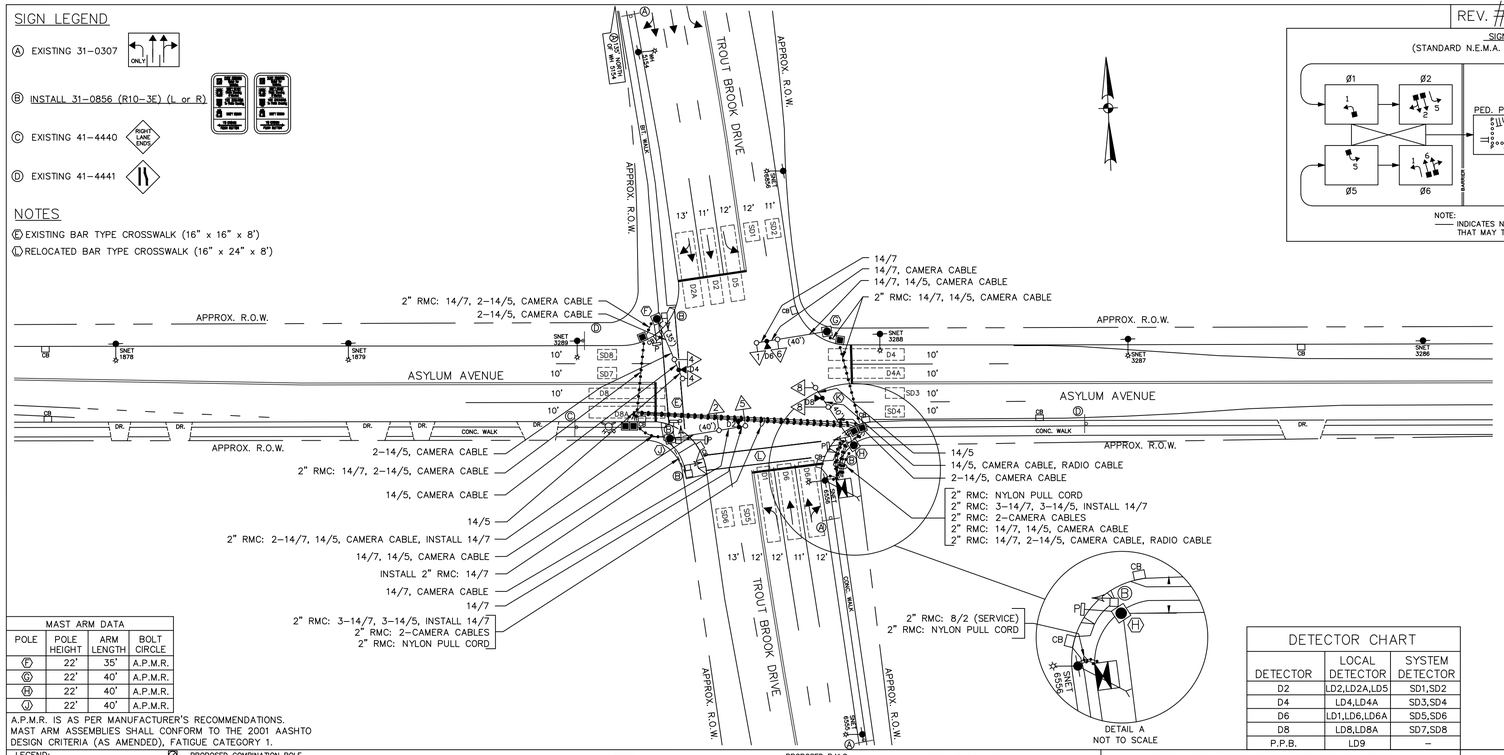
Ⓑ INSTALL 31–0856 (R10–3E) (L or R)

Ⓒ EXISTING 41–4440

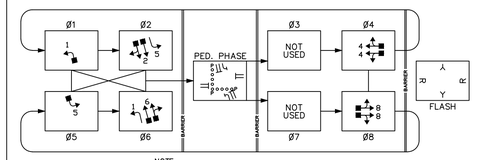
Ⓓ EXISTING 41–4441

NOTES

Ⓔ EXISTING BAR TYPE CROSSWALK (16" x 16" x 8')
Ⓛ RELOCATED BAR TYPE CROSSWALK (16" x 24" x 8')

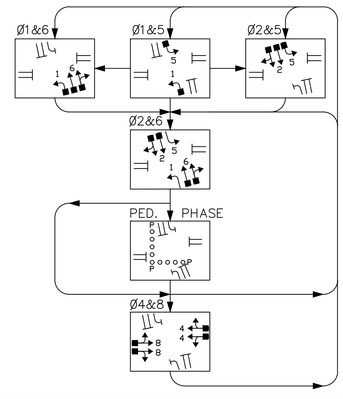


SIGNAL PHASING
(STANDARD N.E.M.A. TRAFFIC SIGNAL CONTROLLER)

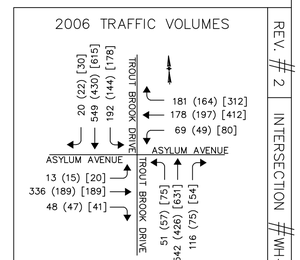


NOTE:
—— INDICATES NON–CONFLICTING VEHICLE PHASES THAT MAY TIME CONCURRENTLY

PHASING SEQUENCE
(STANDARD N.E.M.A. CONTROLLER)



2006 TRAFFIC VOLUMES



LEGEND
XX WEEKDAY MORNING PEAK HOUR
(XX) WEEKDAY MIDDAY PEAK HOUR
[XX] WEEKDAY AFTERNOON PEAK HOUR

REV. # 2 | INTERSECTION # WH–54

MAST ARM DATA

POLE	POLE HEIGHT	ARM LENGTH	BOLT CIRCLE
Ⓕ	22'	35'	A.P.M.R.
Ⓖ	22'	40'	A.P.M.R.
Ⓗ	22'	40'	A.P.M.R.
Ⓙ	22'	40'	A.P.M.R.

A.P.M.R. IS AS PER MANUFACTURER'S RECOMMENDATIONS.
MAST ARM ASSEMBLIES SHALL CONFORM TO THE 2001 AASHTO DESIGN CRITERIA (AS AMENDED), FATIGUE CATEGORY 1.

DETECTOR CHART

DETECTOR	LOCAL DETECTOR	SYSTEM DETECTOR
D2	LD2,LD2A,LD5	SD1,SD2
D4	LD4,LD4A	SD3,SD4
D6	LD1,LD6,LD6A	SD5,SD6
D8	LD8,LD8A	SD7,SD8
P.P.B.	LD9	–

LEGEND:
PROPOSED WOOD SPAN POLE; EXISTING WOOD SPAN POLE; PROPOSED STEEL SPAN POLE; EXISTING STEEL SPAN POLE
PROPOSED COMBINATION POLE; PROPOSED UTILITY POLE; EXISTING UTILITY POLE; PEDESTAL MOUNTING; PEDESTRIAN PUSH BUTTON & SIGN; DIRECTIONAL ARW. FOR PUSH BTTN
TRAFFIC SIGNAL FACE; PEDESTRIAN SIGNAL HEAD; AUDIBLE PEDESTRIAN SIGNAL; LOOP DETECTOR
SD SYSTEM DETECTOR; OPTICAL DETECTOR; VIDEO DETECTOR; VIDEO DETECTION ZONE
PROPOSED CONTROLLER; EXISTING CONTROLLER; PROPOSED HANDHOLE; EXISTING HANDHOLE
PROPOSED R.M.C. (RIGID METAL CONDUIT); EXISTING R.M.C. (RIGID METAL CONDUIT); CABLE CLOSURE; DET. LEADS IN SAW CUT
RADIO ANTENNA; MICROWAVE DETECTOR; STRAIN INSULATOR; AUXILIARY TERMINATION CABINET; AUXILIARY EQUIPMENT CABINET

TRAFFIC CONTROL SIGNAL LAYOUT

CADD FILE NAME: Trout Brook at Asylum–Rev 2_APS.dwg
DATE PLOTTED: 02/03/2022
SCALE – 1"=40'
ALL DIMENSIONS IN INCHES UNLESS OTHERWISE NOTED.

TOWN SIGNAL

TOWN OF WEST HARTFORD
TROUT BROOK DRIVE AT
ASYLUM AVENUE

NO.	DATE	INIT.	DESCRIPTION
			REVISIONS

CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
CCGP ACCESSIBLE PEDESTRIAN SIGNAL (APS) UPGRADES

WEST HARTFORD 1854

TOWN:	WEST HARTFORD
DRAWING TITLE:	TRAFFIC SIGNAL PLAN SHEET
PROJECT NO.:	0170–3513GR
DRAWING NO.:	TCS–02
SHEET NO.:	02.02

Location No. 19 – FARMINGTON AVENUE & TROUT BROOK DRIVE

Crash Data (2023-2025):

- Number of Intersection Crashes: 35
- Number of Red Light Running Crashes: 8
- Percent of Intersection Crashes that are Red Light Running: 23%
- Vulnerable Road User Crashes: None
- Number of injury crashes: 11

Roadway and Traffic Data:

- Average daily traffic (total of all approaches): 54,173 vehicles
- Roadway Classifications:
  - Farmington Ave – Other Principal Arterial
  - Trout Brook Drive – Minor Arterial
- Roadway Approaches:
  - Farmington Ave – Four lanes undivided
  - Trout Brook Drive – Four lanes undivided

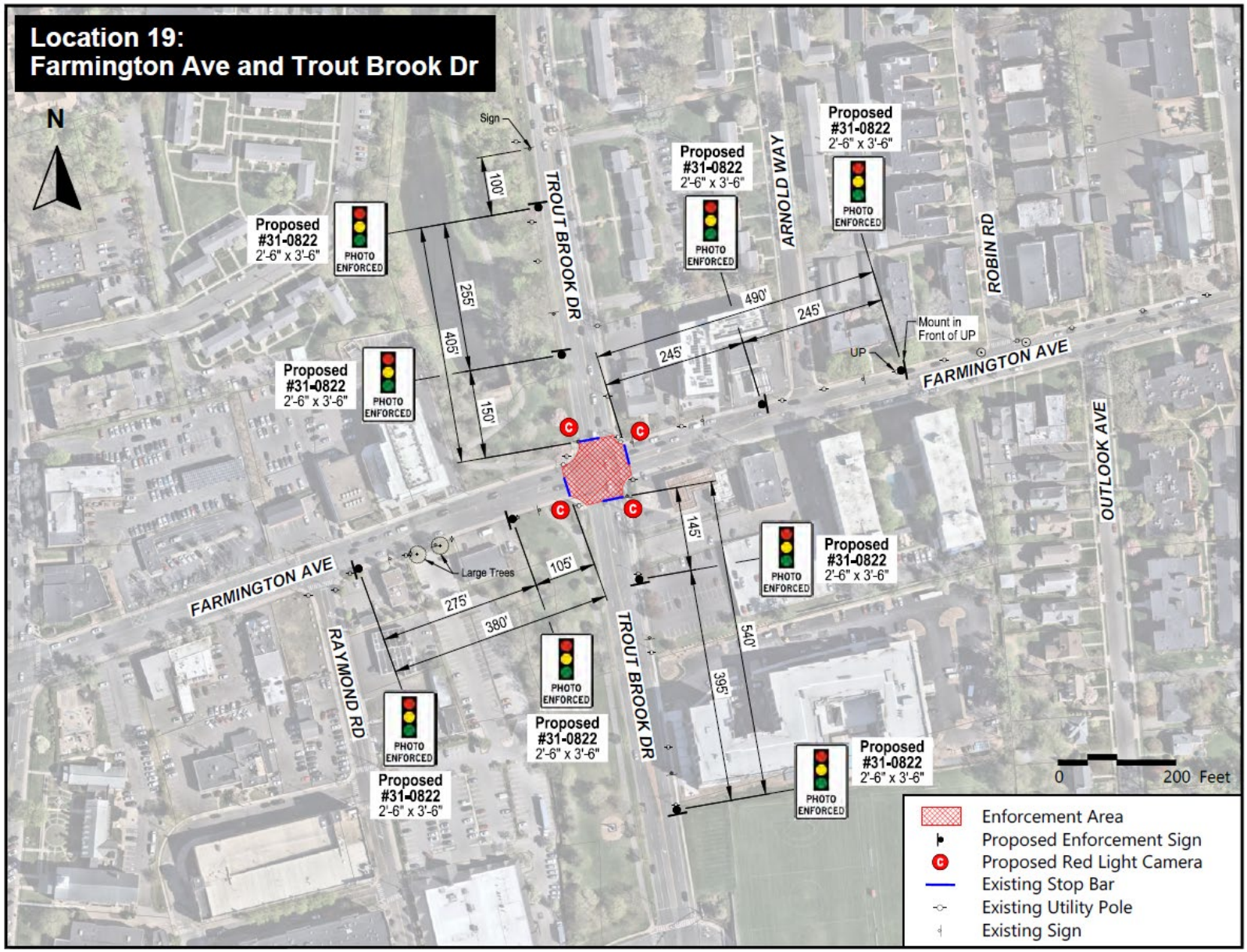
Land Use/VRU Context:

- Adjacent to Trout Brook Trail park area, as well as key intersection crossing for Trout Brook Trail
- Proximate to high-density housing developments, including Hamshire House, The Camelot, The Byline, and One West Hartford (under construction)
- Urgent/High Priority Vision Zero Focus Area and Pedestrian Safety Zone based on West Hartford Vision Zero Plan

Police Citations (Red Light Running): 35
(January 2023-December 2025 data)

Intersection Crash Table – Red Light Runnig Crashes (2023-2025) FARMINGTON AVENUE & TROUT BROOK DRIVE

Crash ID	Town	Date	Most Severe Injury	Name Of Roadway	Name Of Intersecting Roadway	Red Light Crash
1042809	West Hartford	4/6/2023	No Apparent Injury (O)	FARMINGTON AV	TROUT BROOK DR	Driver Ran Red Light
1046757	West Hartford	4/29/2023	Suspected Minor Injury (B)	FARMINGTON AV	TROUT BROOK DR	Driver Ran Red Light
1085162	West Hartford	9/4/2023	No Apparent Injury (O)	FARMINGTON AV	TROUT BROOK DR	Driver Ran Red Light
1177212	West Hartford	6/24/2024	Possible Injury (C)	FARMINGTON AV	TROUT BROOK DR	Driver Ran Red Light
1192195	West Hartford	7/6/2024	Suspected Minor Injury (B)	FARMINGTON AV	TROUT BROOK DR	Driver Ran Red Light
1206709	West Hartford	9/8/2024	Suspected Minor Injury (B)	FARMINGTON AV	TROUT BROOK DR	Driver Ran Red Light
1209792	West Hartford	9/17/2024	Possible Injury (C)	FARMINGTON AV	TROUT BROOK DR	Driver Ran Red Light
1354451	West Hartford	12/7/2025	No Apparent Injury (O)	TROUT BROOK DR	FARMINGTON AV	Driver Ran Red Light


Location 19:
Farmington Ave and Trout Brook Dr
N
Sign
100'
TROUT BROOK DR
ARNOLD WAY
ROBIN RD
OUTLOOK AVE
FARMINGTON AVE
RAYMOND RD
Proposed #31-0822 2'-6" x 3'-6"
PHOTO ENFORCED
255'
405'
150'
490'
245'
245'
Mount in Front of UP
UP
145'
540'
395'
105'
275'
380'
Large Trees
0
200 Feet
Enforcement Area
Proposed Enforcement Sign
Proposed Red Light Camera
Existing Stop Bar
Existing Utility Pole
Existing Sign

MOVEMENT DIAGRAM

NTOR	PHASE 1			PHASE 2			PHASE 3			PHASE 4			PHASE 5			PHASE 6			PHASE 7			PHASE 8			PHASE 9			FLASHING	OPERATION
	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL		
1	← R	↩Y R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R		R
2	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		R
3	R	R	R	R	R	R	← R	↩Y R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R		R
4	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		R
5	R	R	R	G	Y	R	R	R	R	R	R	R	← R	↩Y R	R	R	R	R	R	R	R	R	R	R	R	R	R		R
6	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R		R
7	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	← R	↩Y R	R	R	R	R	R	R	R		R
8	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R		R
P	←									④	④		DW									④	④	→	W ③	FDW	DW	DW	OFF
				← YIELD PT.												← YIELD PT.													
MIN.	4	3	1	15	3	1	4	3	1	12	3	1	4	3	1	15	3	1	4	3	1	12	3	1	4	17	4	0	
MAX.	15	4	3	60	5	3	20	4	3	60	5	3	15	4	3	60	5	3	20	4	3	60	5	3	10	21	4	4	

INTERVALS	PHASE 1			PHASE 2			PHASE 3			PHASE 4			PHASE 5			PHASE 6			PHASE 7			PHASE 8			PHASE 9			MAINT
MIN GRN	5			15			5			15			5			15			5			15						
WALK																									4 ①			
PED CLR																									17 ②		ACCESSIBLE PEDESTRIAN SIGNAL	
VEH EXT	3			3			3			3			3			3			3			3						
MAX 1	9			27			13			35			9			27			11			35						
MAX 2	11			21			9			32			11			21			9			32						
YELLOW		3.2			4.1			3.0			4.3			3.0			4.1			3.0			4.3			4		24hr ☒
RED			1.0			2.2			1.0			2.1			1.0			2.2			1.0			2.1			0	Norm ☐
ADD INI																												
MAX INT																												
TBR																												
TTR																												
MIN GAP																												
MODE	NON-LOCK			NON-LOCK			NON-LOCK			MIN. RECALL THIS PHASE			NON-LOCK			NON-LOCK			NON-LOCK			MIN. RECALL THIS PHASE			LOCK			
INI START																												

DETECTORS

IDENT	SIZE	TYPE	MODE
D2+5	7'X37'	360-VIDEO	PRESENCE
D4+7	7'X37'	360-VIDEO	PRESENCE
D6+1	7'X37'	360-VIDEO	PRESENCE
D8+3	7'X37'	360-VIDEO	PRESENCE
SDs	7'x20'	360-VIDEO	PRESENCE

PROGRAM

FUNCTION	T I M E	DAYS
FLASH	NONE	
	SEE TECH NOTES	

COORDINATION TYPE- CLOSED LOOP

CYCLE	PHASE SPLITS % /SEC									OFFSET		PERMIS PERIOD		SYSTEM LOC
	ø1	ø2	ø3	ø4	ø5	ø6	ø7	ø8	ø9	SEC	%	ø	SEC	MASTER

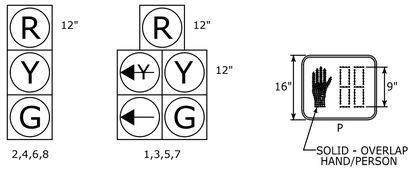
TECHNICAL NOTES

- STANDARD OVERLAP SKIP FEATURES APPLY
- CONTACT ENGINEERING DIVISION FOR CURRENT COORDINATED TIMINGS.
- D4 AND D8 TO BE INOPERATIVE DURING COORDINATION.
- MANUAL & INTERVAL ADVANCE TO BE DISCONNECTED DURING PHASE 9 PEDESTRIAN CLEARANCE INTERVAL.
- ① THE PEDESTRIAN PUSH BUTTON ASSEMBLY SHALL SAY "ALL WALK SIGNS ON" DURING PEDESTRIAN WALK INTERVAL.
- ② COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.
- ③ Ⓓ TO BE NTOR DURING PEDESTRIAN WALK AND CLEARANCE PHASE
- ④ Ⓓ TO BE NTOR IF PHASE 9 IS NEXT.

OFFICE RECORD

REV #	OSTA # XXX-XXXX-XX SM # SIGNAL REVISED:
	SIGNAL REVISED UNDER BLUE BACK SQUARE PROJECT
#1	SIGNAL REVISED: ADJUSTED SYSTEM TIMINGS 1/6/2010
#2	SIGNAL REVISED: ADJUSTED SYSTEM TIMINGS MAR. 2013
#3	SIGNAL REVISED: CLEARANCE INTERVALS REVISED; 360 VIDEO AND APS EQUIPMENT ADDED UNDER STATE PROJECT 0170-3513GR JAN. 2022
#4	SIGNAL REVISED: OSTA # 155-2511-01 ADDED DYNAMIC NTOR SIGNAGE ON ALL APPROACHES. REVISED MIN. RECALL TO Ø4/Ø8
#5	SIGNAL REVISED: OSTA # 155-2605-02 REVISED LANE CONFIGURATION FOR CYCLE TRACK WB ON FARMINGTON. CHANGED PED PHASE TO BE AFTER TROUT BROOK DR (ARTERIAL).

SIGNAL FACES



ALL INDICATIONS TO HAVE LED LAMPS.

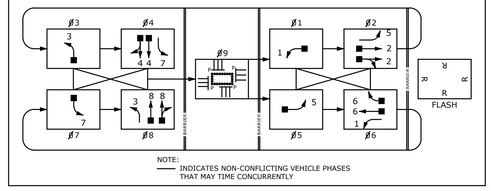
30"W x 36"H

NO TURN ON RED

Ⓓ BLANK-OUT SIGN (LED)

SIGNAL PHASING

(STANDARD N.E.M.A. 8 PHASE CONTROLLER)



NOTE: ——— INDICATES NON-CONFLICTING VEHICLE PHASES THAT MAY TIME CONCURRENTLY

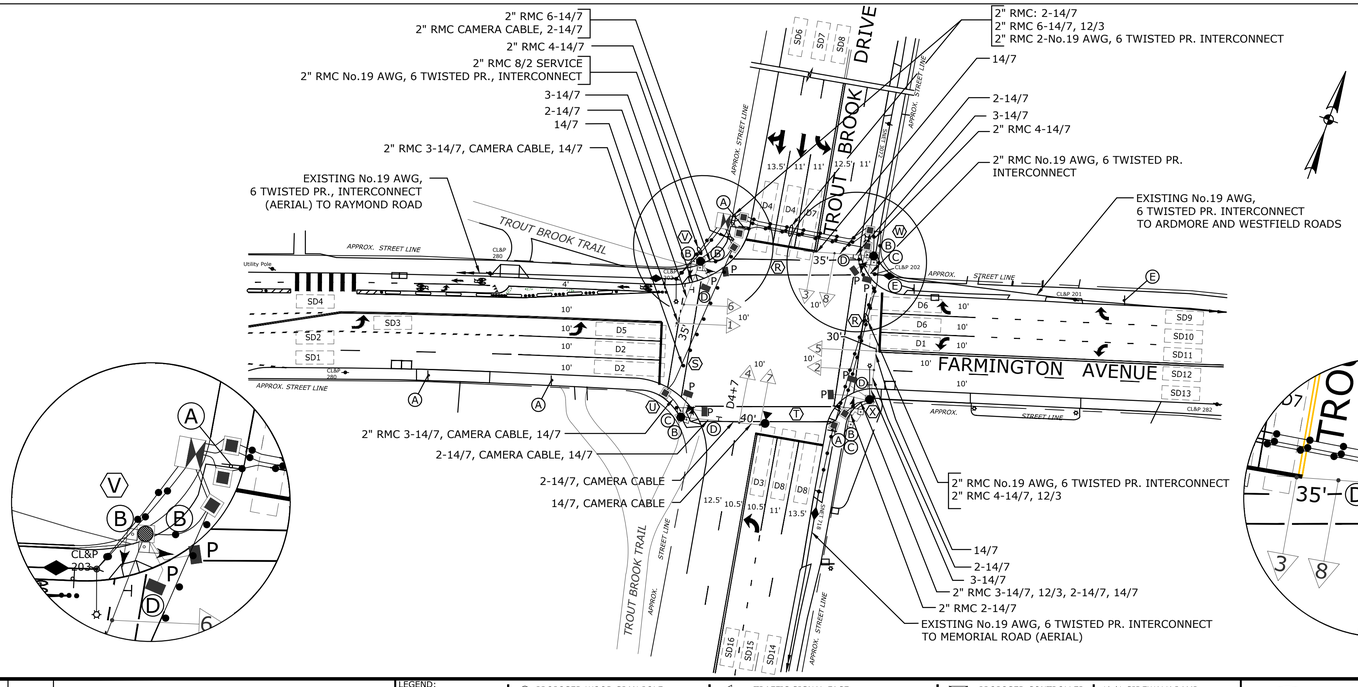
MAST ARM ASSEMBLY DATA

ID	MAST ARM		POLE		LUMINAIRE BRACKET
	LENGTH	OUTER Ø	HEIGHT	B.C.	LENGTH
Ⓤ	40'	**	22'	**	
Ⓥ	35'	**	22'	**	
Ⓦ	35'	**	30'	**	15'
Ⓧ	30'	**	30'	**	

** PER MANUFACTURER'S RECOMMENDATIONS MAST ARM ASSEMBLIES SHALL CONFORM TO THE 2001 AASHTO DESIGN CRITERIA.

CONSTRUCTION NOTES

1. ALL TRAFFIC SIGNAL EQUPIMENT AND SIGNS ARE EXISTING EXCEPT AS NOTED
2. ALL EX. PAVEMENT MARKINGS ON FARMINGTON AVE. WEST OF TROUTBROOK DR. ARE TO BE ERADICATED AND NEW MARKINGS ARE TO BE INSTALLED AS SHOWN.
3. SIDEWALK CONTRACTOR SHALL CONTACT CALL BEFORE YOU DIG AT 811 PRIOR TO COMMENCING EXCAVATION ACIVITIES
4. ALL EQUIPMENT LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED IN THE FIELD.
5. ALL WORK, EQUIPMENT, AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST STANDARD DETAILS AND SPECIFICATIONS FOR THE TOWN OF WEST HARTFORD AND THE CONNECTICUT DEPARTMENT OF TRANSPORTATION

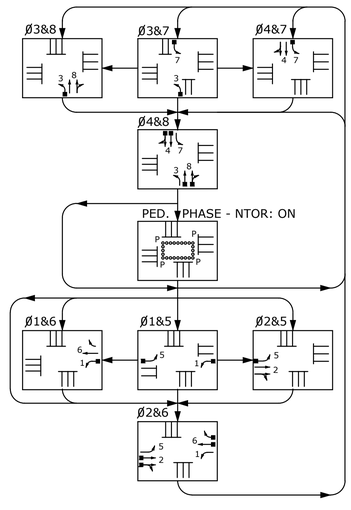


SIGN & MARKING LEGEND

- Ⓐ EXISTING 31-0307
- Ⓑ EXISTING R10-3E (R)
- Ⓒ EXISTING R10-3E (L)
- Ⓔ INSTALL 31-0302
- Ⓡ EXISTING BAR TYPE CROSSWALK
- Ⓢ EXISTING BAR TYPE CROSSWALK (MODIFIED BY PROJ. 2015-15189)
- Ⓣ EXISTING BAR TYPE CROSSWALK

PHASING SEQUENCE

(STANDARD N.E.M.A. CONTROLLER)



TOWN SIGNAL

REV. # 5	INTERSECTION # WH-15

	TRAFFIC	DATE	ELECTRICAL	DATE
ENGINEER	URBITRAN ASSOCIATES, INC. Sept. 5, 2006			
DRAWN BY				
CHECKED BY				
SUBMITTED BY				
APPROVED BY				
APPROVED DATE				

REV # 5	INTERSECTION #WH-15
ENERGY BY: TOWN	ADDRESS #
MAINT LEVEL:	SERVICE POLE CL&P 203
	UNMETERED SERVICE

NO.	DATE	REVISION DESCRIPTION

LEGEND:
R RED
Y YELLOW
G GREEN
◁R RED ARROW
◁Y YELLOW ARROW
◁G GREEN ARROW
WØ WALK/ PED. CLR
D.W. DON'T WALK
FL. FLASHING

- PROPOSED WOOD SPAN POLE
- EXISTING WOOD SPAN POLE
- PROPOSED STEEL SPAN POLE
- EXISTING STEEL SPAN POLE
- PROPOSED UTILITY POLE
- EXISTING UTILITY POLE
- PEDESTAL MOUNTING
- PEDESTRIAN PUSH BUTTON & SIGN
- DIRECTIONAL ARW. FOR PUSH BUTTON
- TRAFFIC SIGNAL FACE
- PEDESTRIAN SIGNAL FACE
- DET. LEADS IN SAW CUT
- PROPOSED RMC (RIGID METAL CONDUIT)
- EXISTING RMC (RIGID METAL CONDUIT)
- AUXILIARY TERMINATION CABINET
- AUXILIARY EQUIPMENT CABINET
- VIVDS DETECTION ZONE
- PROPOSED CONTROLLER
- EXISTING CONTROLLER
- LOOP DETECTOR
- SD SYSTEM DETECTOR
- MATGNETIC DETECTOR
- OPTICAL DETECTOR
- VIDEO DETECTOR
- AUDIO DETECTOR
- SIDEWALK RAMP
- CABLE CLOSURE
- GUY WIRE
- PROPOSED HANDHOLE
- EXISTING HANDHOLE

DATE PLOTTED: 07/23/2026 FILENAME:Farmington at Trout Brook Rev 5

TOWN OF WEST HARTFORD
DEPARTMENT OF COMMUNITY DEVELOPMENT
DIVISION OF ENGINEERING
50 SOUTH MAIN STREET · ROOM 204 · WEST HARTFORD · CT · 06107

TROUT BROOK DRIVE AT FARMINGTON AVENUE

SCALE 1" = 40'

TOWN: **WEST HARTFORD**

DRAWING TITLE: **TRAFFIC CONTROL SIGNAL PLAN**

PROJECT NO. **0170-3513GR**

DRAWING NO. **TCS-01**

SHEET NO. **02.01**

Path: F:\TRAFFIC\Traffic Signals_Drawings\Farmington at Trout Brook WH-15\Farmington at Trout Brook Rev 5.dwg

Location No. 20 – NEW PARK AVENUE & FLATBUSH AVENUE

Crash Data (2023-2025):

- Number of Intersection Crashes: 57
- Number of Red Light Running Crashes: 6
- Percent of Intersection Crashes that are Red Light Running: 11%
- Vulnerable Road User Crashes: 1
- Number of injury crashes: 14

Roadway and Traffic Data:

- Average daily traffic (total of all approaches): 41,868 vehicles
- Roadway Classifications:
  - New Park Ave – Minor Arterial
  - Flatbush Ave – Major Collector
- Roadway Approaches:
  - New Park Ave – Four lanes undivided
  - Flatbush Ave – Four lanes undivided

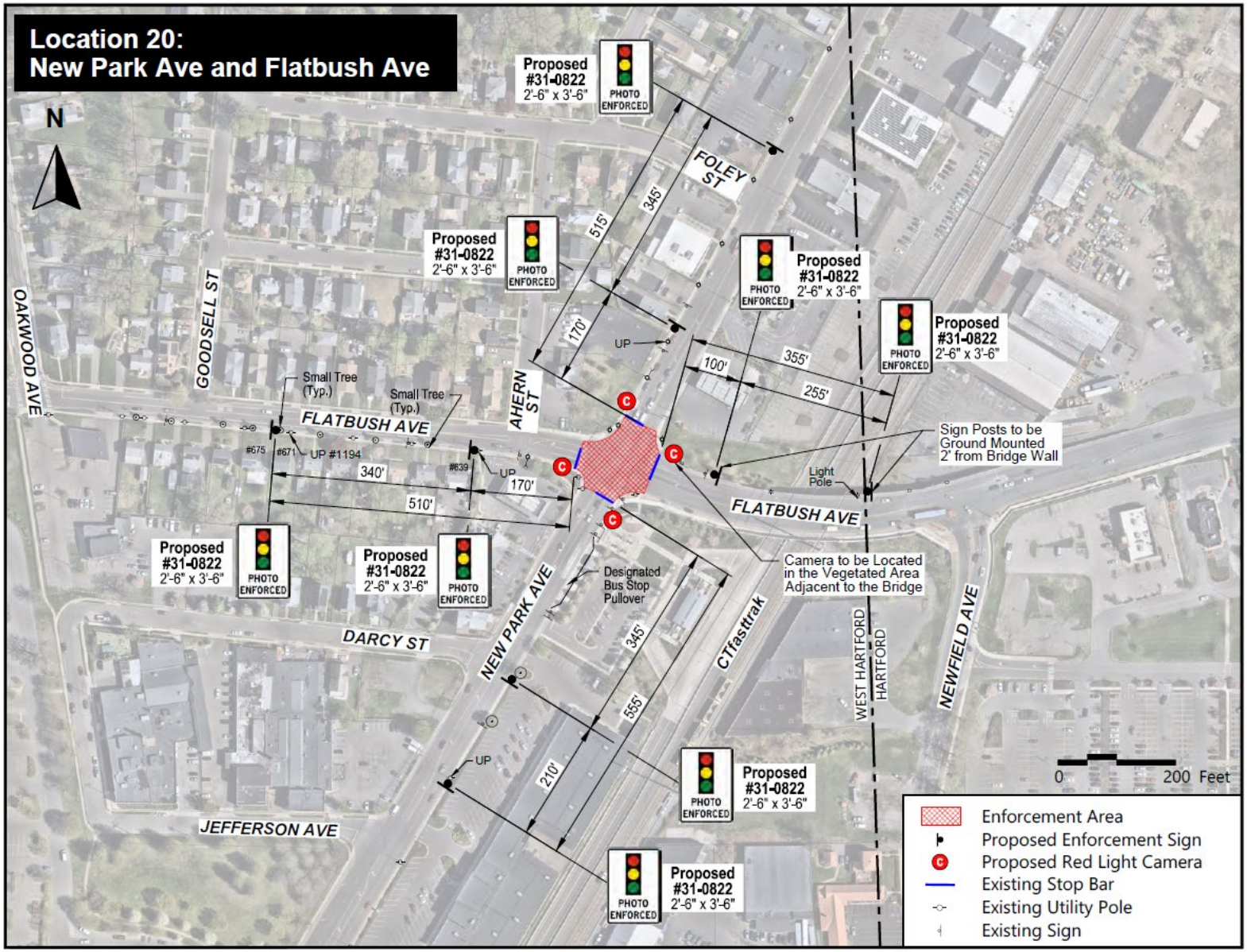
Land Use/VRU Context:

- Adjacent to Flatbush Ave Station for CTfastrak
- Proximate to shopping center and commercial areas
- Urgent/High Priority Vision Zero Focus Area based on West Hartford Vision Zero Plan

Police Citations (Red Light Running): 13
(January 2023-December 2025 data)

Intersection Crash Table – Red Light Running Crashes (2023-2025) NEW PARK AVENUE & FLATBUSH AVENUE

Crash ID	Town	Date	Most Severe Injury	Name Of Roadway	Name Of Intersecting Roadway	Red Light Crash
1029109	West Hartford	2/22/2023	No Apparent Injury (O)	NEW PARK AV	FLATBUSH AV	Driver Ran Red Light
1081941	West Hartford	8/24/2023	No Apparent Injury (O)	NEW PARK AV	FLATBUSH AV	Driver Ran Red Light
1175460	West Hartford	6/3/2024	No Apparent Injury (O)	NEW PARK AV	FLATBUSH AV	Driver Ran Red Light
1242665	West Hartford	1/8/2025	Suspected Minor Injury (B)	NEW PARK AV	FLATBUSH AV	Driver Ran Red Light
1245071	West Hartford	1/18/2025	Possible Injury (C)	NEW PARK AV	FLATBUSH AV	Driver Ran Red Light
1277643	West Hartford	5/11/2025	Suspected Serious Injury (A)	NEW PARK AV	FLATBUSH AVE	Driver Ran Red Light


Location 20:
New Park Ave and Flatbush Ave
N
Proposed #31-0822 2'-6" x 3'-6"
PHOTO ENFORCED
FOLEY ST
345'
515'
170'
UP
100'
355'
255'
OAKWOOD AVE
GOODSELL ST
AHERN ST
Small Tree (Typ.)
FLATBUSH AVE
#675
#671
UP #1194
340'
510'
#639
UP
170'
Sign Posts to be Ground Mounted 2' from Bridge Wall
Light Pole
Camera to be Located in the Vegetated Area Adjacent to the Bridge
Designated Bus Stop Pullover
DARCY ST
NEW PARK AVE
CTfasttrak
WEST HARTFORD
HARTFORD
NEWFIELD AVE
555'
210'
JEFFERSON AVE
0
200 Feet
Enforcement Area
Proposed Enforcement Sign
Proposed Red Light Camera
Existing Stop Bar
Existing Utility Pole
Existing Sign

MOVEMENT DIAGRAM

	NTOR	PHASE 1			PHASE 2			PHASE 3			PHASE 4			PHASE 5			PHASE 6			PHASE 7			PHASE 8			PHASE 9		
	NONE																											
	FLASH	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL
FACE # 1	R	←R	↚R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R
FACE # 2	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
FACE # 3	R	R	R	R	R	R	R	←R	↚R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R
FACE # 4	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
FACE # 5	R	R	R	R	G	Y	R	R	R	R	R	R	R	←R	↚R	R	R	R	R	R	R	R	R	R	R	R	R	R
FACE # 6	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R
FACE # 7	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	←R	↚R	R	R	R	R	R	R	R
FACE # 8	R	R	R	R	R	R	R	R	R	R	R	R	R	R→	R ↛	R	R	R	R	R	R	R	G	Y	R	R	R	R
FACE # P	OFF	←									DW														→	WØ	←DW	
						←YIELD	POINT											←YIELD	POINT									
	MIN	3	3	1	15	3	1	3	3	1	5	3	1	3	3	1	15	3	1	3	3	1	5	3	1	7/19	4	0
	MAX	20	5	3	50	5	3	25	5	3	30	5	3	20	5	3	50	5	3	25	5	3	30	5	3	17/30	4	0
INTERVALS	MIN GRN	6			15			5			9			6			15			5			9					
	WALK																									7		
	PED CLR																									19		
	VEH EXT	2			2			2			2			2			2			2			2					
	MAX 1	10			19			9			13			10			19			9			13					
	MAX 2	14			35			19			22			14			35			19			22					
	YELLOW		3.0			4.1			3.1			4.9			3.0			4.1			3.0			4.9			4.0	
	RED			1.0			2.2			1.0			2.4			1.0			2.2			1.0			2.4			0
	ADD INIT																											
	MAX INIT																											
	TBR																											
	TTR																											
	MIN GAP																											
	MODE	NON - LOCK			MIN RECALL			NON - LOCK			NON - LOCK			NON - LOCK			MIN RECALL			NON - LOCK			NON - LOCK			NON - LOCK		
	INIT START				THIS PHASE												THIS PHASE											

⑦ ACCESSIBLE PEDESTRIAN SIGNAL

DETECTORS				SYSTEM LOC	COORDINATION TYPE: CLOSED LOOP					
IDENT	SIZE (WXL)	TYPE	MODE	MASTER WH-24	PROGRAM FUNCTION	PROGRAM TIME	PROGRAM DAYS	CYCLE	OFFSET SEC	OFFSET %
D1	6' X 40'	VIDEO	PRESENCE	WH-23	FLASH	NONE				
D2	6' X 6'	VIDEO	PRESENCE	WH-25		SEE TECH NOTES				
D3	6' X 40'	VIDEO	PRESENCE	WH-26						
D4	6' X 40'	VIDEO	PRESENCE	WH-32						
D4A	6' X 40'	VIDEO	PRESENCE							
D5	6' X 40'	VIDEO	PRESENCE							
D6	6' X 6'	VIDEO	PRESENCE							
D7	6' X 40'	VIDEO	PRESENCE							
D8	6' X 40'	VIDEO	PRESENCE							
D8A	6' X 40'	VIDEO	PRESENCE							
SD	6' X 6'	VIDEO	POINT							

SIGN LEGEND:

Ⓐ INSTALL 31-0302Z (ONLY ONLY).

Ⓑ INSTALL 31-0307Z (ONLY).

NOTES:

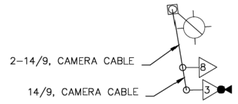
SEE PAVEMENT MARKING AND SIGNING PLANS FOR ADDITIONAL INFORMATION.

SEE ILLUMINATION PLANS FOR ADDITIONAL INFORMATION.

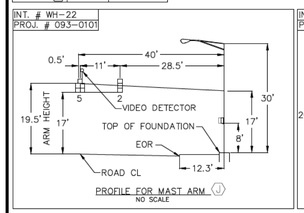
30" X 30" HANDHOLE Ⓦ. ALL OTHERS TYPE II.

SIGNAL POLE DESIGN CRITERIA

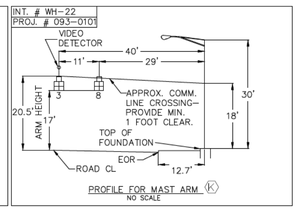
ID	POLE HEIGHT	ARM LENGTH
WH-22Ⓙ	30'	40'
WH-22Ⓚ	30'	40'
WH-22Ⓛ	8'	–
WH-22Ⓜ	30'	45'
WH-22Ⓝ	30'	35'
WH-22Ⓞ	8'	–
WH-22Ⓟ	8'	–



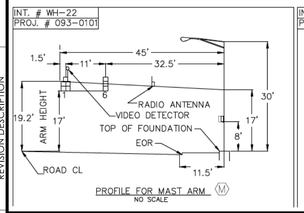
ELECTRICAL CALLOUTS FOR SIGNAL POLE Ⓚ
40' ARM LENGTH



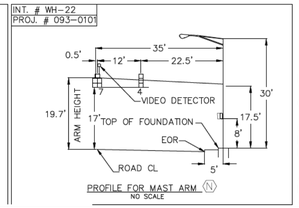
PROFILE FOR MAST ARM Ⓙ
NO SCALE



PROFILE FOR MAST ARM Ⓚ
NO SCALE



PROFILE FOR MAST ARM Ⓜ
NO SCALE



PROFILE FOR MAST ARM Ⓝ
NO SCALE

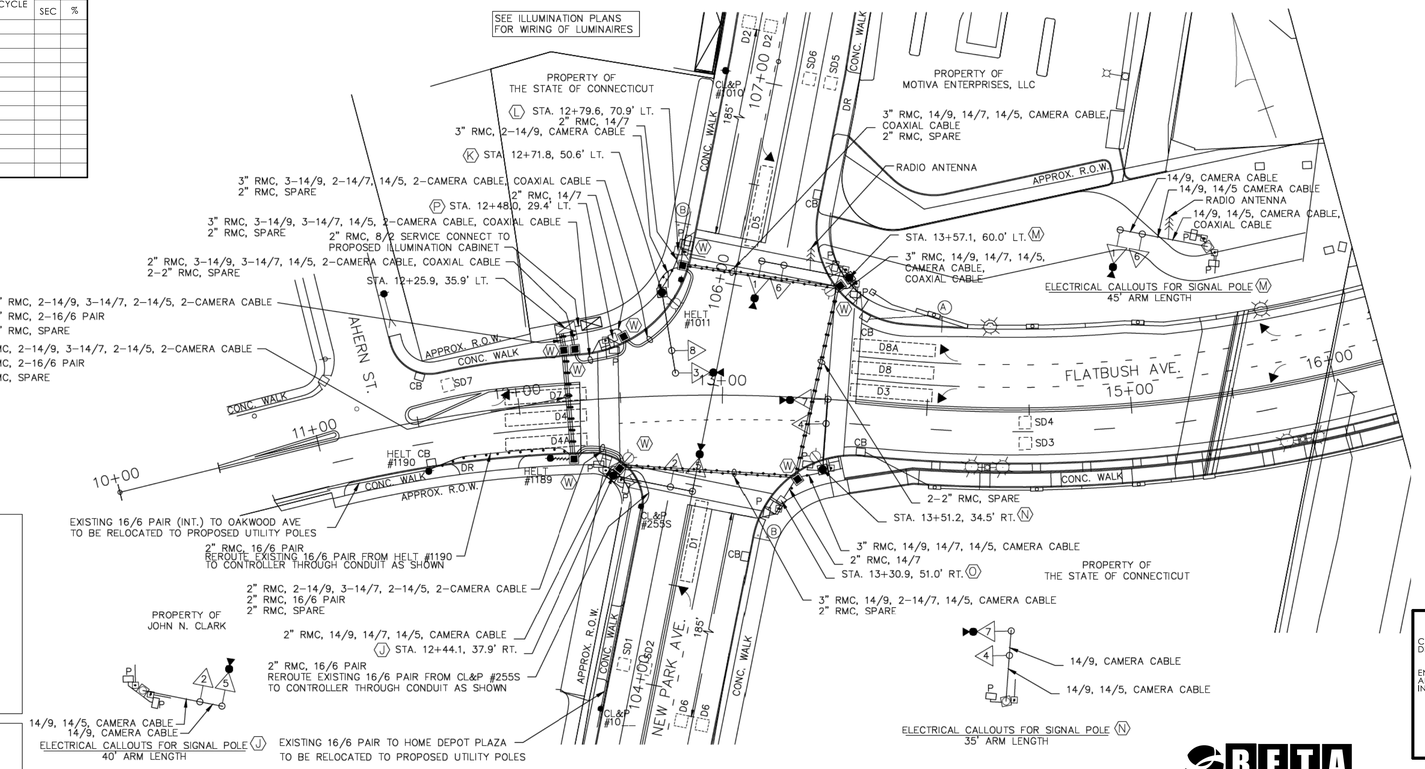
MAST ARM PROFILE NOTES:

CROSS SECTION IS IN LINE WITH MAST ARM.

CONTRACTOR TO VERIFY MAST ARM INFORMATION, INCLUDING CROSS SECTIONS AND DIMENSIONS PRIOR TO SUBMISSION OF WORKING DRAWINGS.

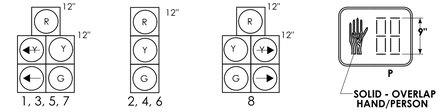
ALL MAST ARM MOUNTED TRAFFIC SIGNALS ARE FIXED MOUNTED TO THE ARM BY USE OF ADJUSTABLE BRACKETS.

NEW SHEET ADDED BY ADDENDUM NO. 1

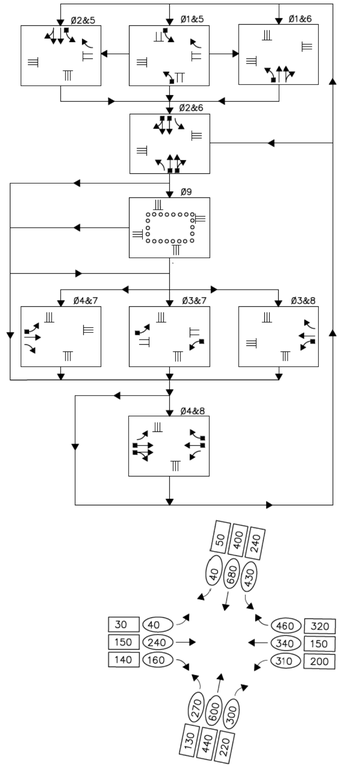


TECHNICAL NOTES	OFFICE RECORD
⑦ COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CLEARANCE INTERVAL.	REV # TIR # N/A SM # SIGNAL REVISED:
MANUAL & INTERVAL ADVANCE TO BE DISCONNECTED DURING PHASE 9 PEDESTRIAN CLEARANCE INTERVAL.	REVISED CLEARANCE TIMINGS UNDER PROJECT # 0171-0463
PHASES 1&5 TO DRIVE 1 AND 5 ↚ AND ← ONLY.	
PHASES 2&6 TO DRIVE FACES 1 AND 5 R, Y AND G.	
PHASE 2 ON TO OMIT PHASE 5.	
PHASES 3&7 TO DRIVE FACES 3&7 ↚ ← ONLY.	
PHASE 6 ON TO OMIT PHASE 1.	
PHASES 4&8 TO DRIVE FACES 3&7 R, Y, AND G.	
OFFSETS TO BE BASED ON INTERNAL TIME BASED COORDINATION PLANS.	
PHASE 9- SPEECH WALK MESSAGE "THE WALK SIGN IS ON".	
TIMINGS SHOWN REFLECT FREE OPERATION.	
ACTUAL COORDINATION INFORMATION TO BE DETERMINED BY THE COORDINATION SYSTEM.	

SIGNAL FACES



ALL INDICATIONS HAVE LED LAMPS



TRAFFIC VOLUME DIAGRAM
TRAFFIC YEAR 2030
0000 AM PEAK 0000 PM PEAK

CLEARANCE INTERVALS DESIGNED BY: BETA GROUP, INC.

ENGINEER'S SEAL & SIGNATURE APPLY TO CLEARANCE INTERVALS ONLY.

STATE OF CONNECTICUT · 23217 · LICENSED · PROFESSIONAL ENGINEER

BETA
www.BETA-Inc.com

TOWN SIGNAL

	TRAFFIC	DATE	ELECTRICAL	DATE
ENGINEER				
DRAWN BY				
CHECKED BY				
SUBMITTED BY				
APPROVED BY				
APPROVED DATE				

REV # INTERSECTION # WH-22

ENERGY BY - TOWN | ADDRESS #

MAINT LEVEL 1 | SERVICE POLE - ILLUM CABINET

UNMETERED SERVICE

REVISION DESCRIPTION
DATE
REV.

LEGEND:
FL. FLASHING; R RED; Y YELLOW; G GREEN; W/Ø WALK/ PED. CLR; D.W. DONT WALK
RED ARROW; YELLOW ARROW; GREEN ARROW; WALK/ PED. CLR; DONT WALK
DET. LEADS IN SAW CUT; PROPOSED RMC; EXISTING RMC; CABLE CLOSURE; VC VIDEO CAMERA CABLE; RC RADAR CABLE
PROPOSED WOOD SPAN POLE; EXISTING WOOD SPAN POLE; PROPOSED STEEL SPAN POLE; EXISTING STEEL SPAN POLE; PROPOSED UTILITY POLE; EXISTING UTILITY POLE
PEDESTAL MOUNTING; PEDESTRIAN PUSH BUTTON & SIGN; DIRECTIONAL ARW. FOR PUSH BUTTON; TRAFFIC SIGNAL FACE; PEDESTRIAN SIGNAL FACE; GUY WIRE
PROPOSED HANDHOLE; EXISTING HANDHOLE; AUXILIARY TERMINATION CABINET; AUXILIARY EQUIPMENT CABINET; PROPOSED CONTROLLER; EXISTING CONTROLLER
IP DETECTOR; RADAR DETECTOR; THERMAL DETECTOR; AUDIO DETECTOR; 360° CAMERA ASSEMBLY; OPTICAL DETECTOR
SD SYSTEM DETECTOR; VIDEO DETECTION ZONE; LOOP DETECTOR; RADIO ANTENNA

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0171-0463
FLATBUSH AVENUE AT NEW PARK AVENUE
TOWN(S): WEST HARTFORD
DRAWING TITLE: TRAFFIC CONTROL SIGNAL PLAN

0 40 80
SCALE 1" = 40'

DRAWING NO. TCS-177
SHEET NO. 03.40-138.A1

LASTED SAVED BY: RichardEH FILE NAME: C:\Users\richardeh\State of Connecticut\DOT CTDOT_DDE - CONNECT_WIP\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 10/15/2024

Location No. 21 – NORTH MAIN STREET & FERN STREET

Crash Data (2023-2025):

- Number of Intersection Crashes: 13
- Number of Red Light Running Crashes: 2
- Percent of Intersection Crashes that are Red Light Running: 15%
- Vulnerable Road User Crashes: 0
- Number of injury crashes: 5

Roadway and Traffic Data:

- Average daily traffic (total of all approaches): 44,587 vehicles
- Roadway Classifications:
  - North Main Street – Other Principal Arterial
  - Fern Street – Major Collector
- Roadway Approaches:
  - North Main Street – Two lanes undivided
  - Fern Street – Two lanes undivided

Land Use/VRU Context:

- Urgent/High Priority Vision Zero Focus Area based on West Hartford Vision Zero Plan

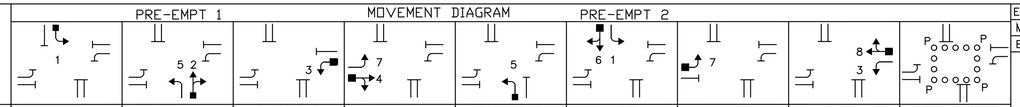
Police Citations (Red Light Running): 14
(January 2023-December 2025 data)

Intersection Crash Table – Red Light Running Crashes (2023-2025) NORTH MAIN STREET & FERN STREET

Crash ID	Town	Date	Most Severe Injury	Name Of Roadway	Name Of Intersecting Roadway	Red Light Crash
1173193	West Hartford	5/23/2024	Suspected Minor Injury (B)	NORTH MAIN ST	FERN ST	Driver Ran Red Light
1194051	West Hartford	8/14/2024	No Apparent Injury (O)	NORTH MAIN ST	FERN ST	Driver Ran Red Light


Location 21:
North Main St and Fern St
American School for the Deaf
N
Proposed #31-0822 2'-6" x 3'-6"
PHOTO ENFORCED
HILLTOP DR
N. MAIN ST
LINWOLD DR
MONTCLAIR DR
MIDDLEFIELD DR
FERN ST
HAWTHORNE RD
SYLVAN AVE
ARUNDEL AVE
KEENEY AVE
Church
Mount in Front of UP
UP
#125
#108
#3
#469
#148
#98
620'
230'
500'
145'
355'
50'
215'
335'
120'
260'
235'
495'
0
200 Feet
Enforcement Area
Proposed Enforcement Sign
Proposed Red Light Camera
Existing Stop Bar
Existing Utility Pole
Existing Sign

MOVEMENT DIAGRAM



NTOR		PHASE 1			PHASE 2			PHASE 3			PHASE 4			PHASE 5			PHASE 6			PHASE 7			PHASE 8			PED. PHASE		
	FLASH	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL
FACE #	1	R	←R	←Y R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R
	2	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
	3	R	R	R	R	R	R	←R	←Y R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R
	4	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
	5	R	R	R	G	Y	R	R	R	R	R	R	R	←R	←Y R	R	R	R	R	R	R	R	R	R	R	R	R	R
	6	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R
	7	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	←R	←Y R	R	R	R	R	R	R	R	R
	8	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R
	P	OFF	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	WØ	DW	DW
																										W	FDW	
	MIN.	5	3	1	10	3	1	5	3	1	10	3	1	5	3	1	10	3	1	5	3	1	10	3	1	4	11	4	0
	MAX.	20	5	3	80	5	3	15	5	3	50	5	3	20	5	3	80	5	3	15	5	3	50	5	3	10	13	4	0
INTERVALS	MIN GRN	5			15			5			10			5			15			5			10					
	WALK																									4		ACCESSIBLE PEDESTRIAN SIGNAL
	PED CLR																									11		
	VEH EXT	2			3			2			3			2			3			2			3					
	MAX 1	5			30			5			20			5			30			5			20					
	MAX 2	10			65			10			40			10			65			10			40					
	YELLOW		3.0			3.4			3.0			3.1			3.0			3.4			3.0			3.1			4.0	
	RED			1.0			3.0			1.0			2.0			1.0			3.0			1.0			2.0		0.0	
	ADD INI																											COUNTDOWN PEDESTRIAN SIGNAL
	MAX INT																											
	TBR																											
	TTR																											
	MIN GAP																											
MODE		NON-LOCK			MIN. RECALL THIS PHASE			NON-LOCK			NON-LOCK			NON-LOCK			MIN. RECALL THIS PHASE			NON-LOCK			NON-LOCK			NON-LOCK		
INI START																												

ENERGY BY-TOWN | METER # - UNMETERED
MAINT LEVEL: NORMAL | SERVICE POLE- CL&P 5704
ENERGY USAGE = 170 KW-HR/MO

INTERSECTION # WH-30

OFFICE RECORD

REV # TIR 155-2301-03 SM # N/A

SIGNAL REVISED:
ADDED A FERN STREET EASTBOUND LEFT TURN LANE AND REPLACED THE NORTH MAIN STREET LEAD/LAG PHASING WITH A SOUTHBOUND ADVANCE PHASE.
INSTALLED ALL NEW SIGNAL EQUIPMENT UNDER STATE PROJECT NO. 155-161.

REVISION 1 10/17/12:
ADDED A SECOND TO THE PHASE 9 CLEARANCE.

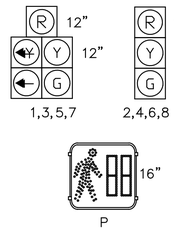
REVISION 2 12/29/14:
MODIFIED FLASH OPERATION TO FLASH RED IN ALL DIRECTIONS.

REVISION 3 1/16/2020:
SHIFTED 2" FROM WØ TO FDW IN PHASE 9

SIGNAL REVISION 4:
PAVEMENT MARKING AND SIGNAL REVISIONS TO ACCOMMODATE ROAD DIET AND EMERGENCY VEHICLE PREEMPTION EQUIPMENT.
PHASING REVISION TO PROVIDE LEFT-TURN PHASING FOR EASTBOUND AND NORTHBOUND APPROACHES.

SIGNAL REVISION 5:
OSTA No. 155-2301-03 ID 2852
ADD LEFT TURN PHASE FOR EB APPROACH.
LEFT TURN PHASE FOR NB APPROACH TO BECOME PERMANENT.

SIGNAL FACES



ALL INDICATIONS TO HAVE LED LAMPS.
FACES 3, 4, 7, AND 8 TO HAVE BACKPLATES.

CONSTRUCTION NOTES:

1. ALL TRAFFIC SIGNAL EQUIPMENT AND SIGNS ARE EXISTING EXCEPT AS NOTED.
2. REVISE VIDEO DETECTION ZONES AS SHOWN ON THE PLAN.
3. REVISE SIGNAL PHASING AND TIMING INFORMATION AS SHOWN ON THE PLAN.
4. (H) REPLACE SIGNAL HEAD 7 AND INSTALL 14/9 CABLE AS SHOWN ON THE PLAN.
5. OPTICAL PREEMPTION EQUIPMENT LOCATIONS ARE INTENDED TO BE ADJUSTED BASED UPON TESTING WITH EMERGENCY VEHICLE APPARATUS EMITTERS.
6. INSTALL EMERGENCY VEHICLE PREEMPTION EQUIPMENT IN CONTROLLER CABINET AND MODIFY CABINET WIRING TO ACCOMMODATE THE EQUIPMENT FOR DESIRED PHASING.

PRE-EMPTION SETTINGS

	PRE-EMPT 1	PRE-EMPT 2
PRIORITY	NO	NO
DET. LOCK	YES	YES
DELAY	0	0
ALT. MIN. GRN	5	5
ALT. YELLOW	PARENT	PARENT
ALT. RED	PARENT	PARENT
ALT. PED. CLR.	11	11
HOLD GREEN	15	15
HOLD YELLOW	3.2	3.2
HOLD RED	1.0	1.0
HOLD PHASE	2	6
EXIT PHASE	8	4
EXIT CALL	NONE	NONE

DETECTORS

IDENT	SIZE (WxL)	TYPE	MODE
D1,D5	8' x 40'	360-VIDEO	PRESENCE
D2	12' x 40'	360-VIDEO	PRESENCE
D3	6' x 40'	360-VIDEO	PRESENCE
D7	5' x 40'	360-VIDEO	PRESENCE
D4	6' x 40'	360-VIDEO	PRESENCE
D6	12' x 40'	360-VIDEO	PRESENCE
D8	7' x 40'	360-VIDEO	PRESENCE
SD1	7' x 10'	360-VIDEO	PRESENCE
SD2	7' x 10'	360-VIDEO	PRESENCE
SD3	7' x 10'	360-VIDEO	PRESENCE
SD4	11' x 10'	360-VIDEO	PRESENCE

PROGRAM

FUNCTION	TIME	DAYS
FLASH	FUTURE	
CYCLE 2	1400-1800	DAILY
FREE	ALL OTHER TIMES	DAILY
MAX 1	ALL TIMES	
MAX 2	FUTURE	

COORDINATION TYPE-NONE

CYCLE	OFFSET SEC	OFFSET %	PHASE SPLITS SEC/% Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8	PED.	PERMIS PERIOD Ø	SEC
120	75	63	10/8	48/40	10/8	33/28	10/8	48/40	10/8	33/28	19/16		

SYSTEM LOC: MASTER

TECHNICAL NOTES

STANDARD OVERLAP SKIP FEATURES APPLY
TRAFFIC SIGNAL TO OPERATE AS FULLY ACTUATED, NON-COORDINATED.
MANUAL AND INTERVAL ADVANCE TO BE DISCONNECTED DURING A PEDESTRIAN PHASE CLEARANCE INTERVAL.
DETECTORS SD1, SD2, SD3, AND SD4 ARE FOR TRAFFIC COUNTING PURPOSES ONLY.
Ⓓ PEDESTRIAN INDICATIONS TO BE SOLID "DONT WALK" DURING PRE-EMPTION.
PRE-EMPTION TO BE INOPERATIVE DURING FLASH OPERATION.

LEGEND:
R RED | Y YELLOW | G GREEN
←R RED ARROW | ←Y YELLOW ARROW | ← GREEN ARROW
W WALK/ PED. CLR | D.W. DON'T WALK | FL. FLASHING

TOWN SIGNAL

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
BUR. OF ENGINEERING & HWY OPERATIONS
DIVISION OF TRAFFIC ENGINEERING

TRAFFIC CONTROL SIGNAL

TOWN OF WEST HARTFORD

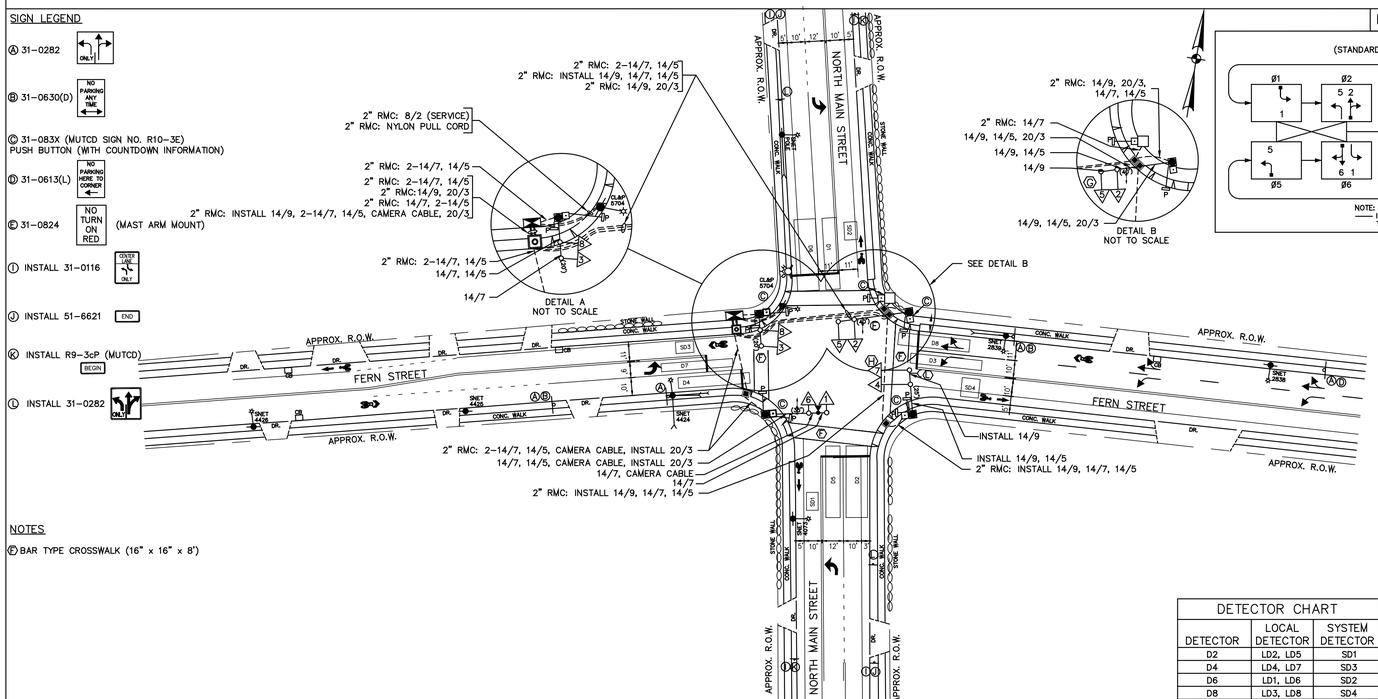
NORTH MAIN STREET AT FERN STREET

REV #5	TRAFFIC DATE	ELECTRICAL DATE
ENGINEER		
DRAFTER		
CHECKED BY		
SUBMITTED BY		
DATE		

vhb

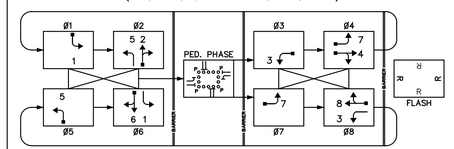
REV. # 5 | INTERSECTION # WH-30

SIGN LEGEND
Ⓐ 31-0282
Ⓑ 31-0630(D) NO PARKING ANY TIME
Ⓒ 31-083X (MUTCD SIGN NO. R10-3E) PUSH BUTTON (WITH COUNTDOWN INFORMATION)
Ⓓ 31-0613(L) NO PARKING HERE TO CORNER
Ⓔ 31-0824 NO TURN ON RED (MAST ARM MOUNT)
Ⓘ INSTALL 31-0116 CENTER LINE ONLY
Ⓙ INSTALL 51-6621 END
Ⓚ INSTALL R9-3cP (MUTCD) BEGIN
Ⓛ INSTALL 31-0282 ONLY

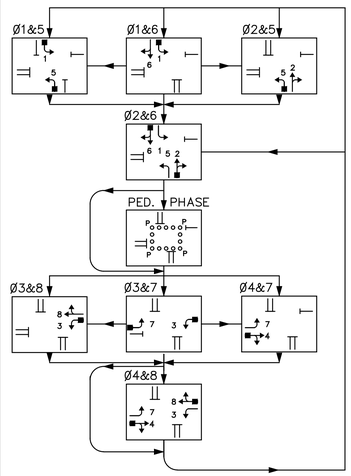


NOTES
Ⓔ BAR TYPE CROSSWALK (16" x 16" x 8')

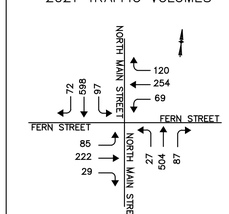
SIGNAL PHASING
(STANDARD N.E.M.A. TRAFFIC SIGNAL CONTROLLER)



PHASING SEQUENCE
(STANDARD N.E.M.A. CONTROLLER)



2021 TRAFFIC VOLUMES



LEGEND
XX WEEKDAY AFTERNOON PEAK HOUR

DETECTOR CHART

DETECTOR	LOCAL DETECTOR	SYSTEM DETECTOR
D2	LD2, LD5	SD1
D4	LD4, LD7	SD3
D6	LD1, LD6	SD2
D8	LD3, LD8	SD4
P.P.B.	LD9	

LEGEND:
- PROPOSED WOOD SPAN POLE
- EXISTING WOOD SPAN POLE
- PROPOSED STEEL SPAN POLE
- EXISTING STEEL SPAN POLE
- PROPOSED COMBINATION POLE
- PROPOSED UTILITY POLE
- EXISTING UTILITY POLE
- PEDESTAL MOUNTING
- PEDESTRIAN PUSH BUTTON & SIGN
- TRAFFIC SIGNAL FACE
- PEDESTRIAN SIGNAL HEAD
- AUDIBLE PEDESTRIAN SIGNAL
- LOOP DETECTOR
- SD SYSTEM DETECTOR
- OPTICAL DETECTOR
- VIDEO DETECTOR
- VIDEO DETECTION ZONE
- PROPOSED CONTROLLER
- EXISTING CONTROLLER
- PROPOSED HANDHOLE
- EXISTING HANDHOLE
- PROPOSED R.M.C. (RIGID METAL CONDUIT)
- EXISTING R.M.C. (RIGID METAL CONDUIT)
- CABLE CLOSURE
- DET. LEADS IN SAW CUT
- RADIO ANTENNA
- MICROWAVE DETECTOR
- STRAIN INSULATOR
- AUXILIARY TERMINATION CABINET
- AUXILIARY EQUIPMENT CABINET

TRAFFIC CONTROL SIGNAL LAYOUT
FILE NAME:
SCALE - 1"=40'
ALL DIMENSIONS IN INCHES UNLESS OTHERWISE NOTED.

TOWN SIGNAL
TOWN OF WEST HARTFORD
NORTH MAIN STREET AT FERN STREET

NO.	DATE	INIT.	DESCRIPTION

REVISIONS

TOWN OF WEST HARTFORD

TOWN: WEST HARTFORD | PROJECT NO.:
DRAWING TITLE: TRAFFIC SIGNAL PLAN SHEET | DRAWING NO.:
SHEET NO.:

REV. # 5 | INTERSECTION # WH-30

Location No. 22 – RAYMOND ROAD & BOULEVARD

Crash Data (2023-2025):

- Number of Intersection Crashes: 13
- Number of Red Light Running Crashes: 5
- Percent of Intersection Crashes that are Red Light Running: 38%
- Vulnerable Road User Crashes: None
- Number of injury crashes: 6

Roadway and Traffic Data:

- Average daily traffic (total of all approaches): 10,600 vehicles
- Roadway Classifications:
  - Raymond Road – Major Collector
  - Boulevard – Minor Arterial
- Roadway Approaches:
  - Raymond Road – Two lanes undivided
  - Boulevard – Four lanes divided

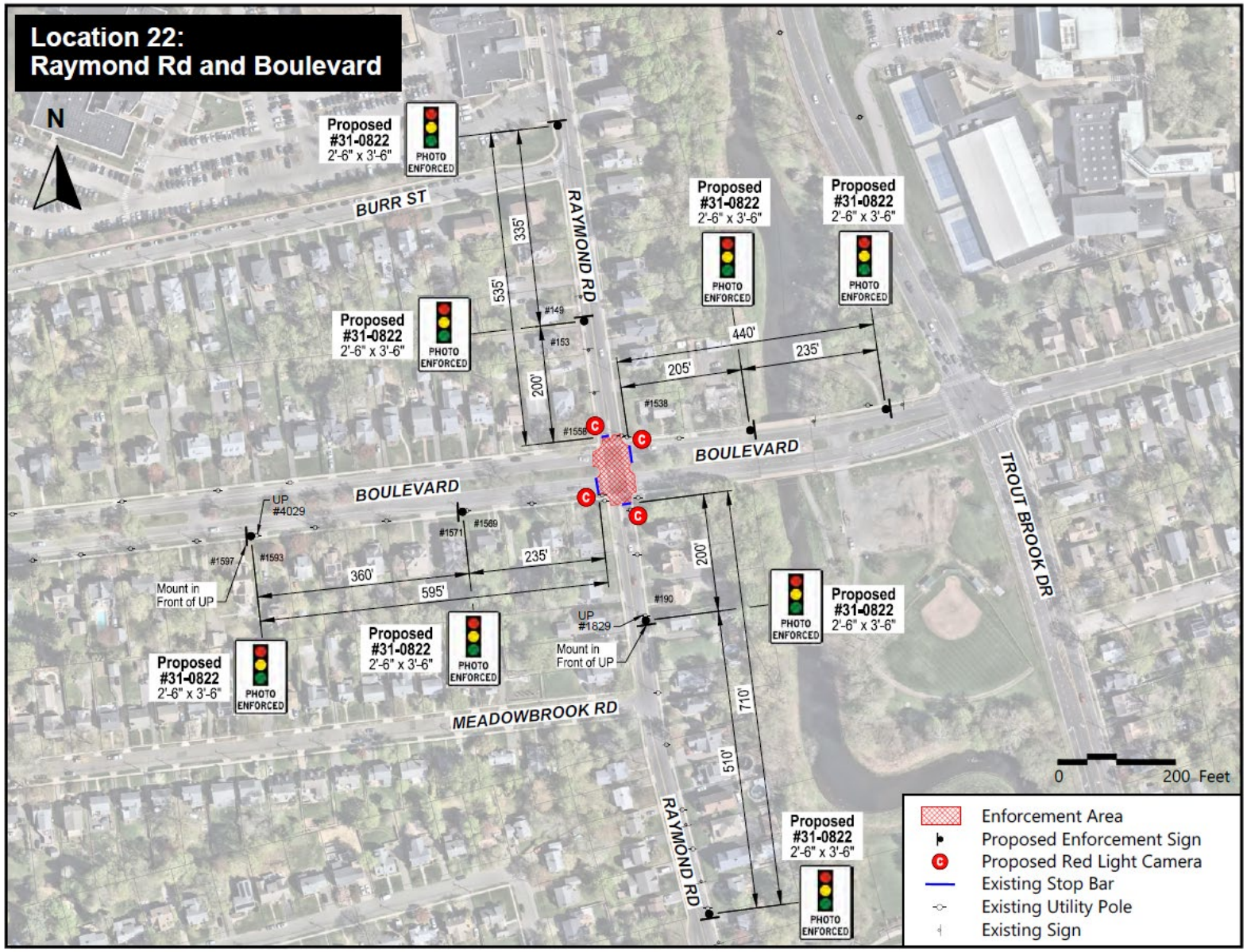
Land Use/VRU Context:

- Bicycle lane runs through the intersection along Boulevard
- Proximate to Trout Brook Trail and associated open space
- Urgent/High Priority Vision Zero Focus Area based on West Hartford Vision Zero Plan

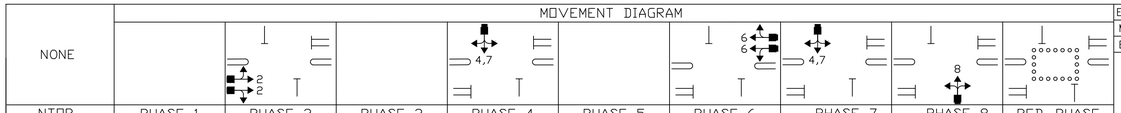
Police Citations (Red Light Running): 13
(January 2023-December 2025 data)

Intersection Crash Table – Red Light Running Crashes (2023-2025) RAYMOND ROAD & BOULEVARD

Crash ID	Town	Date	Most Severe Injury	Name Of Roadway	Name Of Intersecting Roadway	Red Light Crash
1120160	West Hartford	10/13/2023	Possible Injury (C)	BOULEVARD	RAYMOND RD	Driver Ran Red Light
1154639	West Hartford	3/6/2024	Suspected Minor Injury (B)	BOULEVARD	RAYMOND RD	Driver Ran Red Light
1228641	West Hartford	11/16/2024	No Apparent Injury (O)	BOULEVARD	RAYMOND RD	Driver Ran Red Light
1235701	West Hartford	12/18/2024	No Apparent Injury (O)	BOULEVARD	RAYMOND RD	Driver Ran Red Light
1361000	West Hartford	12/31/2025	Suspected Minor Injury (B)	BOULEVARD	RAYMOND RD	Driver Ran Red Light


Location 22:
Raymond Rd and Boulevard
N
Proposed
#31-0822
2'-6" x 3'-6"
PHOTO ENFORCED
BURR ST
RAYMOND RD
335'
535'
200'
#149
#153
#1558
#1538
440'
205'
235'
BOULEVARD
TROUT BROOK DR
UP
#4029
#1571
#1569
#1597
#1593
360'
595'
235'
Mount in
Front of UP
#190
UP
#1829
Mount in
Front of UP
200'
MEADOWBROOK RD
710'
510'
0
200 Feet
Enforcement Area
Proposed Enforcement Sign
Proposed Red Light Camera
Existing Stop Bar
Existing Utility Pole
Existing Sign

MOVEMENT DIAGRAM



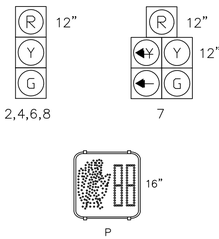
NTOR		PHASE 1			PHASE 2			PHASE 3			PHASE 4			PHASE 5			PHASE 6			PHASE 7			PHASE 8			PED. PHASE		
	FLASH	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL
2	R				G	Y	R				R	R	R				R	R	R	R	R	R	R	R	R	R	R	R
4	R				R	R	R				G	Y	R				R	R	R	G	Y	R	R	R	R	R	R	R
6	R				R	R	R				R	R	R				G	Y	R	R	R	R	R	R	R	R	R	R
7	R				R	R	R				G	Y	R				R	R	R	◄G	◄Y Y⓶	R ①	R	R	R	R	R	R
8	R				R	R	R				R	R	R				R	R	R	◄R	◄R	R	G	Y	R	R	R	R
P	OFF	◄										D.W.														WØ	◄D.W.	►
					◄YIELD												◄YIELD											
MIN.					10	3	1				10	3	1				10	3	1	5	3	0	10	3	1	4/14	4	0
MAX.					45	5	3				35	5	3				45	5	3	25	5	3	35	5	3	7/22	4	1

FACE #

INTERVALS																												
MIN GRN					15						10						15			5			10					
WALK																										4 ⑤		COUNTDOWN
PED CLR																										20 ⑥		PEDESTRIAN
VEH EXT					3						2						3			2			2					SIGNAL
MAX 1					15						15						15			5			15					
MAX 2					35						25						35			15			25					
YELLOW						4						4						4			4			4			4	
RED							2						2						2			2			2			0
ADD INI																												AUDIBLE
MAX INT																												
TBR																												PEDESTRIAN
TTR																												
MIN GAP																												SIGNAL
MODE		OFF			MIN. RECALL			OFF			NON-LOCK			OFF			MIN. RECALL			NON-LOCK			NON-LOCK			NON-LOCK		
INI START					THIS PHASE												THIS PHASE											

ENERGY BY-TOWN	METER # -	INTERSECTION # WH-5
MAINT LEVEL: NORMAL	SERVICE POLE- CL&P 4023	
ENERGY USAGE = 290 KW-HR/MO		

SIGNAL FACES



ALL INDICATIONS TO HAVE LED LAMPS.
FACES 2 & 6 TO HAVE BACKPLATES.

DETECTORS

IDENT	SIZE (WxL)	TYPE	MODE
D2	8' x 40'	VIDEO	PRESENCE
D2A	13' x 40'	VIDEO	PRESENCE
D4	8' x 40'	VIDEO	PRESENCE
D6	6' x 40'	VIDEO	PRESENCE
D6A	14' x 40'	VIDEO	4" DELAY
D8	8' x 40'	VIDEO	PRESENCE
SD1	8' x 10'	VIDEO	PRESENCE
SD2	13' x 10'	VIDEO	PRESENCE
SD3	8' x 10'	VIDEO	PRESENCE
SD4	13' x 10'	VIDEO	PRESENCE
SD5	6' x 10'	VIDEO	PRESENCE
SD6	8' x 10'	VIDEO	PRESENCE

PROGRAM

FUNCTION	TIME	DAYS
FLASH	FUTURE	
MAX. 1	ALL OTHER TIMES	DAILY
MAX. 2	0700-2000	M-F
CYCLE 1	0700-1000	M-F
CYCLE 2	1000-1500	M-F
CYCLE 3	1500-2000	M-F
FREE	2000-0700	M-F
	ALL DAY	SAT.-SUN.

COORDINATION TYPE - CLOSED LOOP

CYCLE	OFFSET SEC	OFFSET %	PHASE SPLITS SEC/% Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8	PED.
90			32	36	30	33	31	14	21	28	31
90			32	36	30	33	31	14	21	28	31
100			27	27	45	45	27	9	37	28	28

PERMISSIVE PERIOD	Ø	SEC

SYSTEM LOC: MASTER

TECHNICAL NOTES

STANDARD OVERLAP SKIP FEATURES APPLY
CYCLE LENGTH, SPLITS, AND OFFSETS TO BE DETERMINED BY THE MASTER CONTROLLER AT THE INTERSECTION OF FARMINGTON AVENUE AT MAIN STREET.
DETECTORS D2, D2A, D6, AND D6A TO BE INOPERATIVE DURING COORDINATED OPERATION.
DURING FREE OPERATION, THE CONTROLLER SHALL REST IN LAST CALL SERVED THROUGH/RIGHT GREEN (PHASES 2 & 6 OR PHASES 4 & 8).
DETECTORS SD3 AND SD6 ARE FOR TRAFFIC COUNTING PURPOSES ONLY.
IF CALLED, PHASE 7 TO ALWAYS PRECEDE PHASE 4&8.
THE PEDESTRIAN PUSH BUTTON ASSEMBLY SHALL SAY "WAIT" WHEN PRESSED DURING PHASES 2 & 6, 4 & 7, 4 & 8, OR DURING THE PEDESTRIAN CLEARANCE INTERVAL.
① TO BE G IF PHASE 4&8 IS NEXT.
② TO BE ◄Y G IF PHASE 4&8 IS NEXT.

LEGEND:
R RED, Y YELLOW, G GREEN
◄R RED ARROW, ◄Y YELLOW ARROW, ◄ GREEN ARROW
WØ WALK/ PED. CLR, D.W. DON'T WALK, FL. FLASHING

OFFICE RECORD

TIR # 155-1902-01 SM # N/A

SIGNAL REVISED:
INSTALLED ALL NEW SIGNAL EQUIPMENT UNDER STATE PROJECT NO. 155-161.

REV #1 07/07/2013
INSTALLED TURNING VEHICLES YILED TO PED SIGNS.

REV #2 10/17/2017
INSTALLED APS EQUIPMENT AND COUNTDOWN PEDESTRIAN SIGNAL HEADS. REMOVED TURNING VEHICLES YILED TO PED SIGNS.

CONSTRUCTION NOTES

1. ALL TRAFFIC SIGNAL EQUIPMENT, SIGNS AND CABLING ARE EXISTING EXCEPT AS NOTED.
2. ALL WORK, EQUIPMENT, AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST STANDARD DETAILS AND SPECIFICATIONS FOR THE TOWN OF WEST HARTFORD AND THE CONNECTICUT DEPARTMENT OF TRANSPORTATION.
3. THE CONTRACTOR SHALL CONTACT CALL BEFORE YOU DIG AT 1-800-922-4455 PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.
4. CONTRACTOR TO CONTACT MARK HALLENBECK AT (860) 748-0283 TO COORDINATE TRAFFIC SIGNAL WORK. THE CONTRACTOR SHALL REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT AND TRAFFIC CONTROL SIGNAGE AND COORDINATE THE RETURN OF ALL SALVAGEABLE TRAFFIC SIGNAL EQUIPMENT WITH MARK HALLENBECK.

⑤ THE PEDESTRIAN PUSH BUTTON ASSEMBLY SHALL SAY "THE WALK LIGHT IS ON" DURING PEDESTRIAN WALK INTERVAL.

⑥ COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CLEARANCE INTERVAL.

7. MODIFY EXISTING CONTROLLER TO ACCOMMODATE CHANGES.

Ⓜ INSTALL COUNTDOWN PEDESTRIAN SIGNAL FACES. REPLACE EXISTING PEDESTRIAN PUSH BUTTONS WITH POLARA AUDIBLE PEDESTRIAN SIGNAL (APS) PUSH BUTTONS (MODEL EN2). APS PUSH BUTTONS SHALL INCORPORATE A LOCATOR TONE AND VIBROTACTILE ARROW WALK INDICATION. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW BEFORE INSTALLING ANY PROPOSED SIGNAL EQUIPMENT. THE PUSH BUTTON ASSEMBLIES AND PEDESTRIAN SIGNAL HEADS SHALL BE PAINTED BLACK. THE CONTRACTOR SHALL SEAL AND PAINT THE EXISTING CABLE ACCESS HOLES FOR THE EXISTING PUSH BUTTON CABLING. ALL NEW PUSH BUTTON ASSEMBLIES SHALL BE INSTALLED WITH THE VIBROTACTILE ARROW POINTING PARALLEL TO THE CROSSWALK TO BE USED.

Ⓝ REMOVE EXISTING PEDESTAL FOUNDATION, PEDESTAL AND PUSH BUTTON. INSTALL NEW PEDESTAL FOUNDATION, 8' PEDESTAL, COUNTDOWN PEDESTRIAN SIGNAL FACES, AND POLARA AUDIBLE PEDESTRIAN SIGNAL (APS) PUSH BUTTONS (MODEL EN2). APS PUSH BUTTONS SHALL INCORPORATE A LOCATOR TONE AND VIBROTACTILE ARROW WALK INDICATION. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW BEFORE INSTALLING ANY PROPOSED SIGNAL EQUIPMENT. THE PUSH BUTTON ASSEMBLIES AND PEDESTRIAN SIGNAL HEADS SHALL BE PAINTED BLACK. THE CONTRACTOR SHALL SEAL AND PAINT THE EXISTING CABLE ACCESS HOLES FOR THE EXISTING PUSH BUTTON CABLING. ALL NEW PUSH BUTTON ASSEMBLIES SHALL BE INSTALLED WITH THE VIBROTACTILE ARROW POINTING PARALLEL TO THE CROSSWALK TO BE USED.

TOWN SIGNAL

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
BUR. OF ENGINEERING & HWY OPERATIONS
DIVISION OF TRAFFIC ENGINEERING

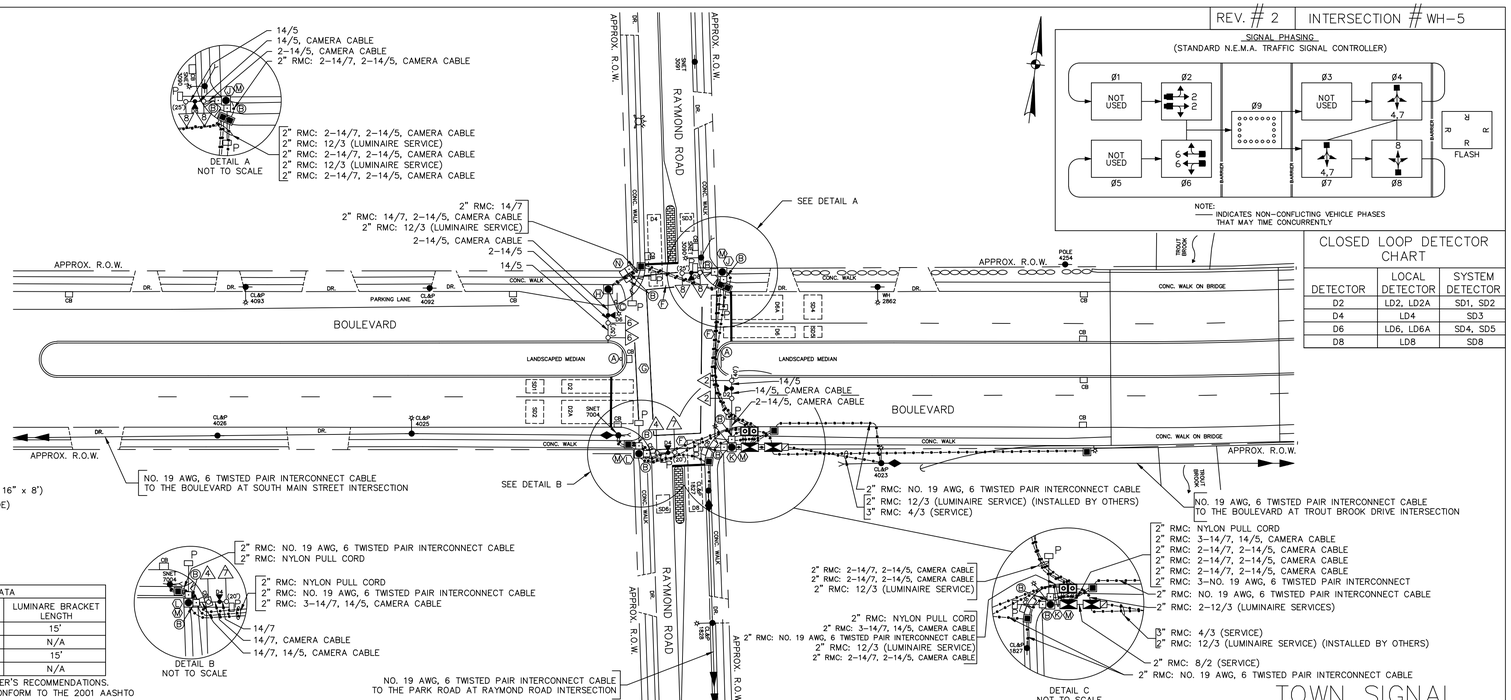
TRAFFIC CONTROL SIGNAL

TOWN OF WEST HARTFORD

BOULEVARD AT RAYMOND ROAD

REV # 2	TRAFFIC DATE	ELECTRICAL DATE
ENGINEER	LANGAN CT, INC.	
DRAFTER		
CHECKED BY		
SUBMITTED BY		
DATE	MAY 2014	

SIGN LEGEND
Ⓐ 31-1510 KEEP RIGHT
Ⓑ 31-0845
Ⓒ 41-4441



REV. # 2 | INTERSECTION # WH-5

SIGNAL PHASING
(STANDARD N.E.M.A. TRAFFIC SIGNAL CONTROLLER)

NOTE:
INDICATES NON-CONFLICTING VEHICLE PHASES THAT MAY TIME CONCURRENTLY

CLOSED LOOP DETECTOR CHART

DETECTOR	LOCAL DETECTOR	SYSTEM DETECTOR
D2	LD2, LD2A	SD1, SD2
D4	LD4	SD3
D6	LD6, LD6A	SD4, SD5
D8	LD8	SD8

MAST ARM DATA

POLE	POLE HEIGHT	ARM LENGTH	BOLT CIRCLE	LUMINAIRE BRACKET LENGTH
Ⓗ	30'	30'	A.P.M.R.	15'
Ⓙ	22'	25'	A.P.M.R.	N/A
Ⓚ	30'	40'	A.P.M.R.	15'
Ⓛ	22'	20'	A.P.M.R.	N/A

A.P.M.R. IS AS PER MANUFACTURER'S RECOMMENDATIONS. MAST ARM ASSEMBLIES SHALL CONFORM TO THE 2001 AASHTO DESIGN CRITERIA (AS AMENDED), FATIGUE CATEGORY 1.

NOTES
Ⓟ BAR TYPE CROSSWALK (16" x 16" x 8")
Ⓒ TEXTURED CROSSWALK (8' WIDE)

LEGEND:
PROPOSED WOOD SPAN POLE, EXISTING WOOD SPAN POLE, PROPOSED STEEL SPAN POLE, EXISTING STEEL SPAN POLE
PROPOSED COMBINATION POLE, PROPOSED UTILITY POLE, EXISTING UTILITY POLE, PEDESTAL MOUNTING, PEDESTRIAN PUSH BUTTON & SIGN
TRAFFIC SIGNAL FACE, PEDESTRIAN SIGNAL HEAD, AUDIBLE PEDESTRIAN SIGNAL, LOOP DETECTOR
SD SYSTEM DETECTOR, OPTICAL DETECTOR, VIDEO DETECTOR, VIDEO DETECTION ZONE
PROPOSED CONTROLLER, EXISTING CONTROLLER, PROPOSED HANDHOLE, EXISTING HANDHOLE
PROPOSED R.M.C. (RIGID METAL CONDUIT), EXISTING R.M.C. (RIGID METAL CONDUIT), CABLE CLOSURE, DET. LEADS IN SAW CUT
RADIO ANTENNA, MICROWAVE DETECTOR, STRAIN INSULATOR, AUXILIARY TERMINATION CABINET, AUXILIARY EQUIPMENT CABINET

TRAFFIC CONTROL SIGNAL LAYOUT

CADD FILE NAME: BOULEVARD AT RAYMOND.dwg
DATE PLOTTED: MAY 2014
SCALE - 1"=40'
ALL DIMENSIONS IN INCHES UNLESS OTHERWISE NOTED.

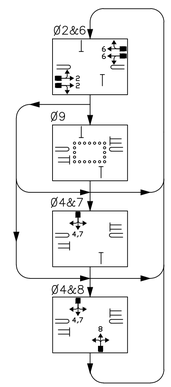
TOWN OF WEST HARTFORD

BOULEVARD AT RAYMOND ROAD

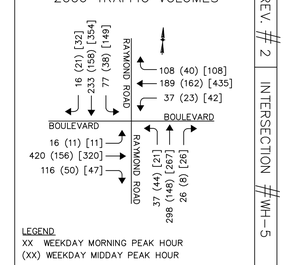
NO.	DATE	INIT.	DESCRIPTION
1	10/2013		INSTALLED TURNING VEHICLES YIELD TO PEDS SIGNS.
2	10/2013		INSTALLED APS EQUIPMENT AND COUNTDOWN PEDESTRIAN SIGNAL HEADS.
3	XX/2019		TEMPORARY MODIFICATION FOR I-84/PARK RD CONSTRUCTION - ADDED WB ADVANCE PHASE.

REVISIONS

PHASING SEQUENCE
(STANDARD N.E.M.A. CONTROLLER)



2006 TRAFFIC VOLUMES



LEGEND
XX WEEKDAY MORNING PEAK HOUR
(XX) WEEKDAY MIDDAY PEAK HOUR

REV. # 2 | INTERSECTION # WH-5

TOWN:	WEST HARTFORD	PROJECT NO.:	140079201
DRAWING TITLE:	TRAFFIC SIGNAL PLAN SHEET	DRAWING NO.:	
		SHEET NO.:	KT201

Location No. 23 – SOUTH MAIN STREET & BOULEVARD

Crash Data (2023-2025):

- Number of Intersection Crashes: 9
- Number of Red Light Running Crashes: 6
- Percent of Intersection Crashes that are Red Light Running: 67%
- Vulnerable Road User Crashes: None
- Number of injury crashes: 1

Roadway and Traffic Data:

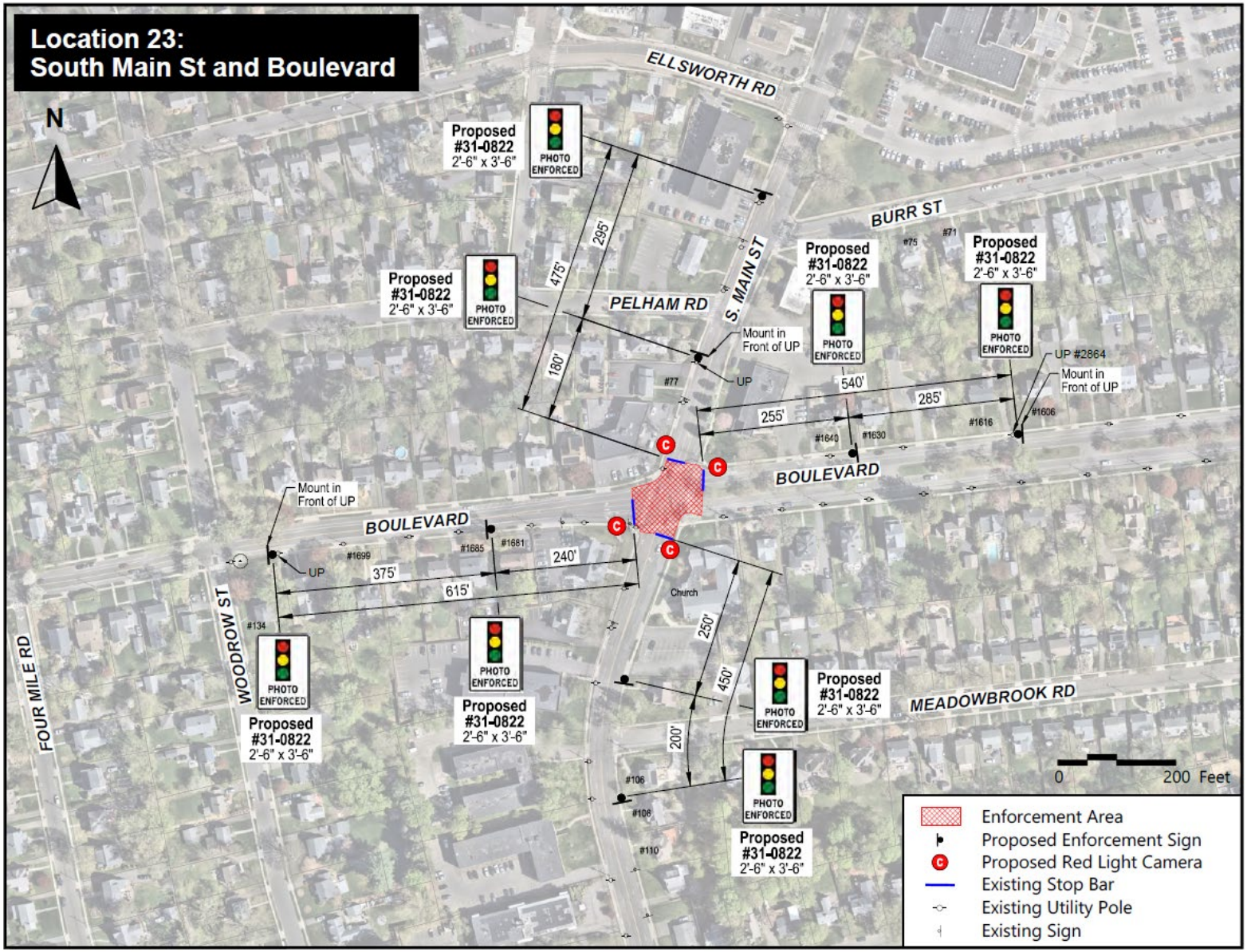
- Average daily traffic (total of all approaches): 39,121 vehicles
- Roadway Classifications:
  - South Main Street – Other Principal Arterial
  - Boulevard – Minor Arterial
- Roadway Approaches:
  - South Main Street – Four lanes undivided
  - Boulevard – Two lanes undivided

Land Use/VRU Context:

- Urgent/High Priority Vision Zero Focus Area based on West Hartford Vision Zero Plan

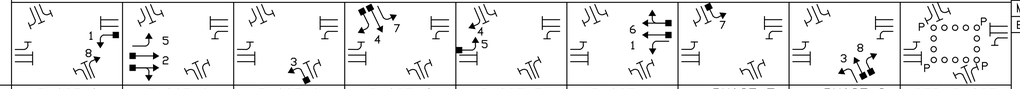
Police Citations (Red Light Running): 31
(January 2023-December 2025 data)

Crash ID	Town	Date	Most Severe Injury	Name Of Roadway	Name Of Intersecting Roadway	Red Light Crash
1059432	West Hartford	6/4/2023	No Apparent Injury (O)	SOUTH MAIN ST NO 2	BOULEVARD	Driver Ran Red Light
1070661	West Hartford	7/5/2023	No Apparent Injury (O)	SOUTH MAIN ST NO 2	BOULEVARD	Driver Ran Red Light
1229038	West Hartford	12/10/2024	No Apparent Injury (O)	SOUTH MAIN ST NO 2	BOULEVARD	Driver Ran Red Light
1248179	West Hartford	1/11/2025	No Apparent Injury (O)	SOUTH MAIN ST NO 2	BOULEVARD	Driver Ran Red Light
1295180	West Hartford	6/9/2025	Possible Injury (C)	SOUTH MAIN ST NO 2	BOULEVARD	Driver Ran Red Light
1310666	West Hartford	7/22/2025	No Apparent Injury (O)	SOUTH MAIN ST NO 2	Boulevard	Driver Ran Red Light


Location 23:
South Main St and Boulevard
N
ELLSWORTH RD
BURR ST
PELHAM RD
S. MAIN ST
BOULEVARD
BOULEVARD
WOODROW ST
FOUR MILE RD
MEADOWBROOK RD
Proposed #31-0822 2'-6" x 3'-6"
PHOTO ENFORCED
Mount in Front of UP
UP
UP #2864
Church
475'
295'
180'
540'
285'
255'
240'
375'
615'
250'
450'
200'
0
200 Feet
Enforcement Area
Proposed Enforcement Sign
Proposed Red Light Camera
Existing Stop Bar
Existing Utility Pole
Existing Sign

MOVEMENT DIAGRAM

NONE



NTOR		PHASE 1			PHASE 2			PHASE 3			PHASE 4			PHASE 5			PHASE 6			PHASE 7			PHASE 8			PED. PHASE		
	FLASH	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL
1	R	← R	◄Y R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R
2	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
3	R	R	R	R	R	R	R	← R	◄Y R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R
4	R	R	R	R	R	R	R	R	R	R	G	Y	R	R →	R Y►	R	R	R	R	R	R	R	R	R	R	R	R	R
5	R	R	R	R	G	Y	R	R	R	R	R	R	R	← R	◄Y R	R	R	R	R	R	R	R	R	R	R	R	R	R
6	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R
7	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	← R	◄Y R	R	R	R	R	R	R	R
8	R	R →	R Y►	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R
						◄YIELD												◄YIELD										
P	OFF	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	WØ	DW	DW
																										W FDW		
	MIN.	5	3	1	10	3	1	5	3	1	10	3	1	5	3	1	10	3	1	5	3	1	10	3	1	4 16	4	0
	MAX.	25	5	3	80	5	3	25	5	3	60	5	3	25	5	3	80	5	3	25	5	3	60	5	3	10 21	4	0
MIN GRN		5			15			5			10			5			15			5			10					
WALK					0.1												0.1									4①		
PED CLR																										21②		ACCESSIBLE PEDESTRIAN SIGNAL
VEH EXT		2.0			3.0			2.0			1.5			1.0			3.0			1.5			1.0					
MAX 1		10			15			10			15			10			15			10			15					
MAX 2		15			35			15			35			15			35			15			35					
YELLOW			3.0			3.7			3.0			3.7			3.0			3.7			3.0			3.7			4.0		
RED				1.0			2.3			1.0			1.3			1.0			2.3			1.0			1.3			0.0
ADD INI																												COUNTDOWN PEDESTRIAN SIGNAL
MAX INT																												
TBR																												
TTR																												
MIN GAP																												
MODE		NON-LOCK			MIN. RECALL			NON-LOCK			NON-LOCK			NON-LOCK			MIN. RECALL			NON-LOCK			NON-LOCK			NON-LOCK		
INI START					THIS PHASE												THIS PHASE											

DETECTORS

IDENT	SIZE (WxL)	TYPE	MODE
D1	6' X 16'	360° VIDEO	PRESENCE
D1R	6' X 30'	360° VIDEO	PRESENCE
D2,D2A	6' X 16'	360° VIDEO	PRESENCE
D3	6' X 16'	360° VIDEO	PRESENCE
D3R	6' X 40'	360° VIDEO	PRESENCE
D4	16' X 16'	360° VIDEO	PRESENCE
D4R	16' X 40'	360° VIDEO	PRESENCE
D5	6' X 16'	360° VIDEO	PRESENCE
D5R	6' X 40'	360° VIDEO	PRESENCE
D6,D6A	6' X 16'	360° VIDEO	PRESENCE
D7	6' X 16'	360° VIDEO	PRESENCE
D7R	6' X 40'	360° VIDEO	PRESENCE
D8	16' X 16'	360° VIDEO	PRESENCE
D8R	16' X 40'	360° VIDEO	PRESENCE

PROGRAM

FUNCTION	TIME	DAYS
FLASH	NONE	
MAX. 1	ALL OTHER TIMES	DAILY
MAX. 2	0730-0930,1630-1830	DAILY
CYCLE 11	0730-0930	M-F
CYCLE 12	1630-1830	M-F
CYCLE 13	0630-0730	M-F
	0930-1630,1830-1930	M-F
	0930-1930/1030-1930	SAT/SUN
CYCLE 14	0000-0630,1930-2400	M-F
	0000-0930,1930-2400	SAT
	0000-1030,1930-2400	SUN

COORDINATION TYPE – CLOSED LOOP

CYCLE	OFFSET SEC	OFFSET %	PHASE SPLITS SEC/% Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8	PED.	PERMIS PERIOD Ø	SEC
85			9 /11	16 /21	9 /11	20 /23	9 /11	18 /21	9 /11	20 /23	29 /34		
95			10 /10	24 /25	11 /12	21 /22	10 /10	24 /25	11 /12	21 /22	29 /30		
100	0	0	10 /10	24 /24	11 /11	26 /26	10 /10	24 /24	11 /11	26 /26	29 /29		
95	0	0	10 /10	24 /25	11 /12	21 /22	10 /10	24 /25	11 /12	21 /22	29 /28		
85	0	0	9 /11	18 /21	9 /11	20 /23	9 /11	18 /21	9 /11	20 /23	29 /34		
80	0	0	9 /11	16 /20	9 /11	17 /21	9 /11	16 /20	9 /11	17 /21	29 /37		

SYSTEM LOC

MASTER
WH-53
WH-48
WH-50
WH-52
WH-59

TECHNICAL NOTES

STANDARD OVERLAP SKIP FEATURES APPLY
FRONT DETECTOR ZONES SHALL CALL ONLY, REAR DETECTOR ZONES SHALL CALL & EXT.,
CONTROLLER SHALL OPERATE WITH A FIXED FORCE OFF – START OF YELLOW FOR Ø 2 & 6
COUNTDOWN DISPLAYS SHALL NOT BE USED DURING THE WALK INTERVAL NOR DURING THE
MANUAL AND INTERVAL ADVANCE TO BE DISCONNECTED DURING PED. PHASE CLEARANCE INTERVAL.
PHASES 4&8 TO ALWAYS FOLLOW PHASES 3 OR 7.
PHASE 2 ON TO OMIT PHASE 1. PHASE 6 ON TO OMIT PHASE 5.
PHASES 1&5 TO DRIVE FACES 1&5 ◄Y AND ← ONLY.
PHASES 2&6 TO DRIVE FACES 1&5 R,Y, AND G.
PHASES 3&7 TO DRIVE FACES 3&7 ◄Y AND ← ONLY.
PHASES 4&8 TO DRIVE FACES 3&7 R,Y, AND G.
① THE PEDESTRIAN PUSH BUTTON ASSEMBLY SHALL SAY "ALL WALK SIGNS ON" DURING PEDESTRIAN WALK INTERVAL.
② COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.
APS NIGHT MODE TO BE ACTIVATED DURING THE HOURS OF 9PM TO 7AM.

ENERGY BY–TOWN | METER # – UNMETERED
MAINT LEVEL: NORMAL | SERVICE POLE– CL&P 6125
ENERGY USAGE = 137 KW–HR/MO

INTERSECTION # WH–48

OFFICE RECORD

INSTALLED ALL NEW SIGNAL EQUIPMENT UNDER STATE PROJECT NO. 155–161.

SIGNAL REVISION #1: AUGUST 2011
INSTALLED RADIO COMMUNICATIONS BETWEEN BOULEVARD AND ELLSWORTH ROAD REMOVED.

SIGNAL REVISION #2: JULY 2012
INSTALLED SOUTH MAIN STREET LEFT TURN LANES.
MODIFIED THE SIGNAL TO PROVIDE NORTHBOUND/SOUTHBOUND QUAD PHASING AND EASTBOUND RIGHT TURN OVERLAP.

SIGNAL REVISION #3: MARCH 2013
REVISED SIGNAL TIMINGS. CYCLE 1 TO START AT 0730 INSTEAD OF 0700. CYCLE 3 CHANGED FROM 140 TO 120 SEC. & ADJUSTED SPLITS/OFFSETS.

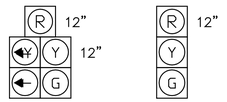
SIGNAL REVISION #4: MAY 2014
INSTALLED A WESTBOUND BOULEVARD RIGHT TURN LANE. MODIFIED THE SIGNAL TO PROVIDE WESTBOUND RIGHT TURN OVERLAP.
OSTA #:155–1402–01

SIGNAL REVISION #5: OCTOBER 2017
MODIFIED COORDINATION PATTERNS, CYCLE LENGTHS, CLEARANCE INTERVALS, AND DETECTION ZONES.

SIGNAL REVISION #6: JULY 2019
INSTALLED GRIDSMART VIDEO DETECTION & ADJUSTED EMERGENCY FLASH OPERATION (ALL RED)
CONTROLLER CABINET REPLACED DUE TO MV CRASH

SIGNAL REVISION #7: NOVEMBER 2023
UPGRADE PED EQUIPMENT TO APS UNDER STATE PROJECT NO. 0170–3513GR OSTA NO. 155–2311–01

SIGNAL FACES



SOLID OVERLAP HAND/PERSON 16"
P

ALL INDICATIONS TO HAVE LED LAMPS.
FACES 3, 4, 7, AND 8 TO HAVE BACKPLATES.
FACES 3, 4, 7, AND 8 TO HAVE TUNNEL VISORS.

TOWN SIGNAL

TRAFFIC CONTROL SIGNAL

TOWN OF WEST HARTFORD

SOUTH MAIN STREET AT BOULEVARD

REV # 7	TRAFFIC	DATE	ELECTRICAL	DATE
ENGINEER	DJM	4/2007	DJM	4/2007
DRAFTER	DJM	4/2007	DJM	4/2007
CHECKED BY	SW	4/2007	SW	4/2007
SUBMITTED BY	TOWN OF WEST HARTFORD			
	ENGINEERING DEPARTMENT			
DATE	APRIL 2007			

LEGEND:
R RED | ◄R RED ARROW | W/Ø WALK/ PED. CLR
Y YELLOW | ◄Y YELLOW ARROW | D.W. DON'T WALK
G GREEN | ← GREEN ARROW | FL. FLASHING

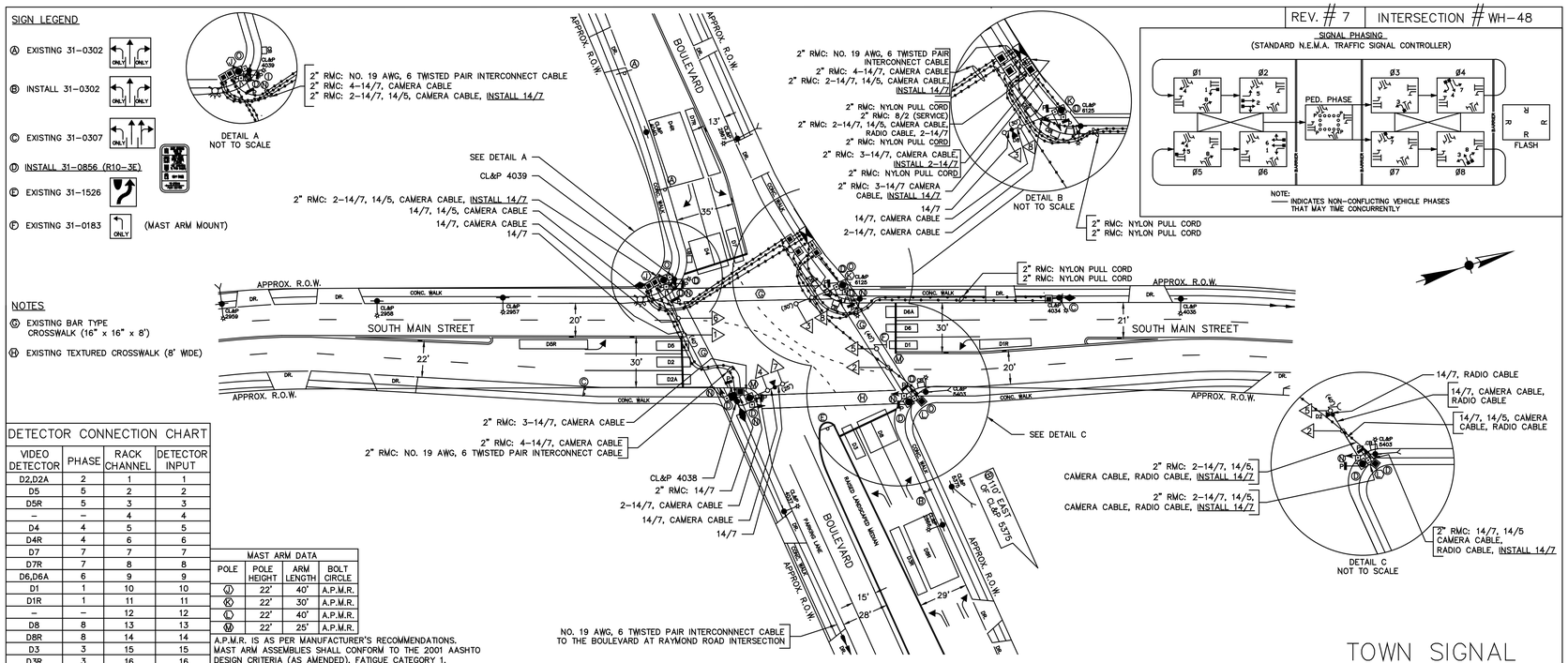
CONSTRUCTION NOTES

1. ALL TRAFFIC SIGNAL EQUPIMENT AND SIGNS ARE EXISTING EXCEPT AS NOTED
2. PRIOR TO INSTALLATION, THE CONTRACTOR SHALL NOTIFY BOB BARLOW (WEST HARTFORD DPW) AT (860) 561–8116 TO COORDINATE TRAFFIC SIGNAL WORK
3. WH DPW TO REMOVE EXISTING PUSHBUTTONS AND INSTALL FIVE (5) APS BUTTONS AT LOCATIONS SHOWN Ⓝ ON EXISTING MAST ARM SHAFTS AND PEDESTALS. THREE (3) ADDITIONAL APS BUTTONS TO BE INSTALLED ON EXISTING MAST ARM SHAFTS AT LOCATIONS SHOWN Ⓞ. THE CONTRACTOR MAY RE–USE EXISTING 14/7 CABLE IF CONTRACTOR PROVES THAT THERE IS ADEQUATE SLACK. IF THERE IS NOT ADEQUATE SLACK, THE EXISTING 14/7 CABLE FEEDING PEDESTRIAN PUSHBUTTONS SHALL BE REMOVED. NEW CABLE SHALL BE PULLED FROM THE CABINET TO THE PEDESTRIAN SIGNALS. SPLICING IS NOT PERMITTED.
4. PUSH BUTTONS TO BE PAINTED YELLOW AS PER TOWN SPECIFICATIONS.
5. THE CONTRACTOR SHALL INSTALL THE VIBROTACTILE ARROW PUSH BUTTONS WITH THE ARROWS PARALLEL TO THE RESPECTIVE CROSSWALK. FIELD VERIFY PUSHBUTTON LOCATION WITH ENGINEER PRIOR TO INSTALLATION. INSTALL SIGN Ⓓ AT EACH RESPECTIVE PUSHBUTTON.
6. ALL EQUIPMENT LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED IN THE FIELD. THE TOWN OF WEST HARTFORD TRAFFIC ENGINEER WILL ASSIST THE CONTRACTOR WITH THE LOCATION OF SIGNAL EQUIPMENT AT THE TIME OF INSTALLATION.
7. INSTALL A TOGGLE BOLT AND WASHER TO EFFECTIVELY SEAL EACH HOLE LEFT IN MAST ARM SHAFTS AND ARMS OR PEDESTALS WHERE ANY TRAFFIC SIGNAL EQUIPMENT HAS BEEN REMOVED.
8. THE CONTRACTOR SHALL CONTACT DPW TO COORDINATE THE RETURN OF ALL SALVAGEABLE TRAFFIC SIGNAL EQUIPMENT.
9. TOWN SIDEWALK CONTRACTOR SHALL RESTORE THE ENTIRE SECTION OF ANY ROADWAY, SIDEWALK, CURBING, DRIVEWAY AND GRASS AREAS WHICH ARE DISTURBED OR DAMAGED BY WORK AT THIS INTERSECTION OR BETWEEN INTERSECTIONS WITH NEW MATERIALS OF THE SAME TYPE TO THE ACCEPTANCE OF THE TOWN.
10. ALL WORK, EQUIPMENT, AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST STANDARD DETAILS AND SPECIFICATIONS FOR THE TOWN OF WEST HARTFORD AND THE CONNECTICUT DEPARTMENT OF TRANSPORTATION

REV. # 7 | INTERSECTION # WH–48

SIGN LEGEND
Ⓐ EXISTING 31–0302
Ⓑ INSTALL 31–0302
Ⓒ EXISTING 31–0307
Ⓓ INSTALL 31–0856 (R10–3E)
Ⓔ EXISTING 31–1526
Ⓕ EXISTING 31–0183 (MAST ARM MOUNT)

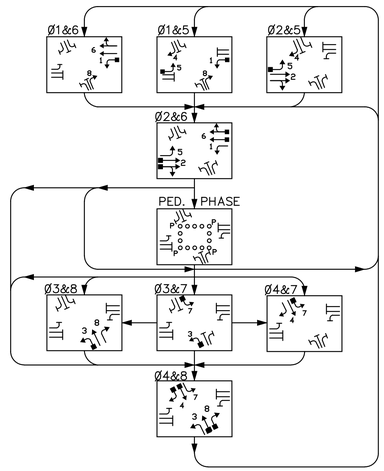
NOTES
Ⓖ EXISTING BAR TYPE CROSSWALK (16" x 16" x 8')
Ⓗ EXISTING TEXTURED CROSSWALK (8' WIDE)



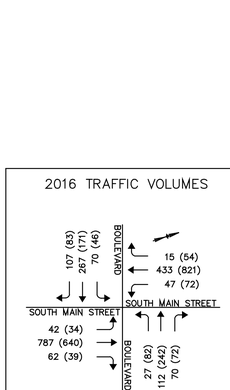
SIGNAL PHASING
(STANDARD N.E.M.A. TRAFFIC SIGNAL CONTROLLER)

NOTE: INDICATES NON–CONFLICTING VEHICLE PHASES THAT MAY TIME CONCURRENTLY

PHASING SEQUENCE
(STANDARD N.E.M.A. CONTROLLER)



2016 TRAFFIC VOLUMES



LEGEND
XX WEEKDAY MORNING PEAK HOUR
(XX) WEEKDAY AFTERNOON PEAK HOUR

REV. # 7 | INTERSECTION # WH–48

DETECTOR CONNECTION CHART

VIDEO DETECTOR	PHASE	RACK CHANNEL	DETECTOR INPUT
D2,D2A	2	1	1
D5	5	2	2
D5R	5	3	3
–	–	4	4
D4	4	5	5
D4R	4	6	6
D7	7	7	7
D7R	7	8	8
D6,D6A	6	9	9
D1	1	10	10
D1R	1	11	11
–	–	12	12
D8	8	13	13
D8R	8	14	14
D3	3	15	15
D3R	3	16	16

MAST ARM DATA

POLE	POLE HEIGHT	ARM LENGTH	BOLT CIRCLE
Ⓙ	22'	40'	A.P.M.R.
Ⓚ	22'	30'	A.P.M.R.
Ⓛ	22'	40'	A.P.M.R.
Ⓜ	22'	25'	A.P.M.R.

A.P.M.R. IS AS PER MANUFACTURER'S RECOMMENDATIONS.
MAST ARM ASSEMBLIES SHALL CONFORM TO THE 2001 AASHTO DESIGN CRITERIA (AS AMENDED), FATIGUE CATEGORY 1.

LEGEND:
PROPOSED WOOD SPAN POLE
EXISTING WOOD SPAN POLE
PROPOSED STEEL SPAN POLE
EXISTING STEEL SPAN POLE
PROPOSED COMBINATION POLE
PROPOSED UTILITY POLE
EXISTING UTILITY POLE
PEDESTAL MOUNTING
PEDESTRIAN PUSH BUTTON & SIGN
TRAFFIC SIGNAL FACE
PEDESTRIAN SIGNAL HEAD
AUDIBLE PEDESTRIAN SIGNAL
LOOP DETECTOR
SD SYSTEM DETECTOR
OPTICAL DETECTOR
VIDEO DETECTOR
VIDEO DETECTION ZONE
PROPOSED CONTROLLER
EXISTING CONTROLLER
PROPOSED HANDHOLE
EXISTING HANDHOLE
PROPOSED R.M.C. (RIGID METAL CONDUIT)
EXISTING R.M.C. (RIGID METAL CONDUIT)
CABLE CLOSURE
DET. LEADS IN SAW CUT
RADIO ANTENNA
MICROWAVE DETECTOR
STRAIN INSULATOR
AUXILIARY TERMINATION CABINET
AUXILIARY EQUIPMENT CABINET

TRAFFIC CONTROL SIGNAL LAYOUT
CADD FILE NAME: South Main at Boulevard Rev 7.dwg
DATE PLOTTED: FEBRUARY 2014
SCALE – 1"=40'
ALL DIMENSIONS IN INCHES UNLESS OTHERWISE NOTED.

TOWN OF WEST HARTFORD
SOUTH MAIN STREET AT BOULEVARD

WEST HARTFORD
TOWN: WEST HARTFORD
DRAWING TITLE: TRAFFIC CONTROL SIGNAL PLAN
PROJECT NO.: 0170–3513GR
DRAWING NO.: TCS–01
SHEET NO.: 02.01

Location No. 24 – ROUTE 173 (SOUTH MAIN STREET/NEW BRITAIN AVENUE) & ROUTE 71 (NEW BRITAIN AVENUE)/SOUTH MAIN STREET

Crash Data (2023-2025):

- Number of Intersection Crashes: 43
- Number of Red Light Running Crashes: 2
- Percent of Intersection Crashes that are Red Light Running: 5%
- Vulnerable Road User Crashes: 2
- Number of injury crashes: 13

Roadway and Traffic Data:

- Average daily traffic (total of all approaches): 58,215 vehicles
- Roadway Classifications:
  - South Main Street – SB, Minor Arterial; NB, Major Collector
  - New Britain Ave (Route 173/71) – Minor Arterial
- Roadway Approaches:
  - South Main Street – Four lanes undivided
  - New Britain Ave (Route 173/71) – Four lanes undivided

Land Use/VRU Context:

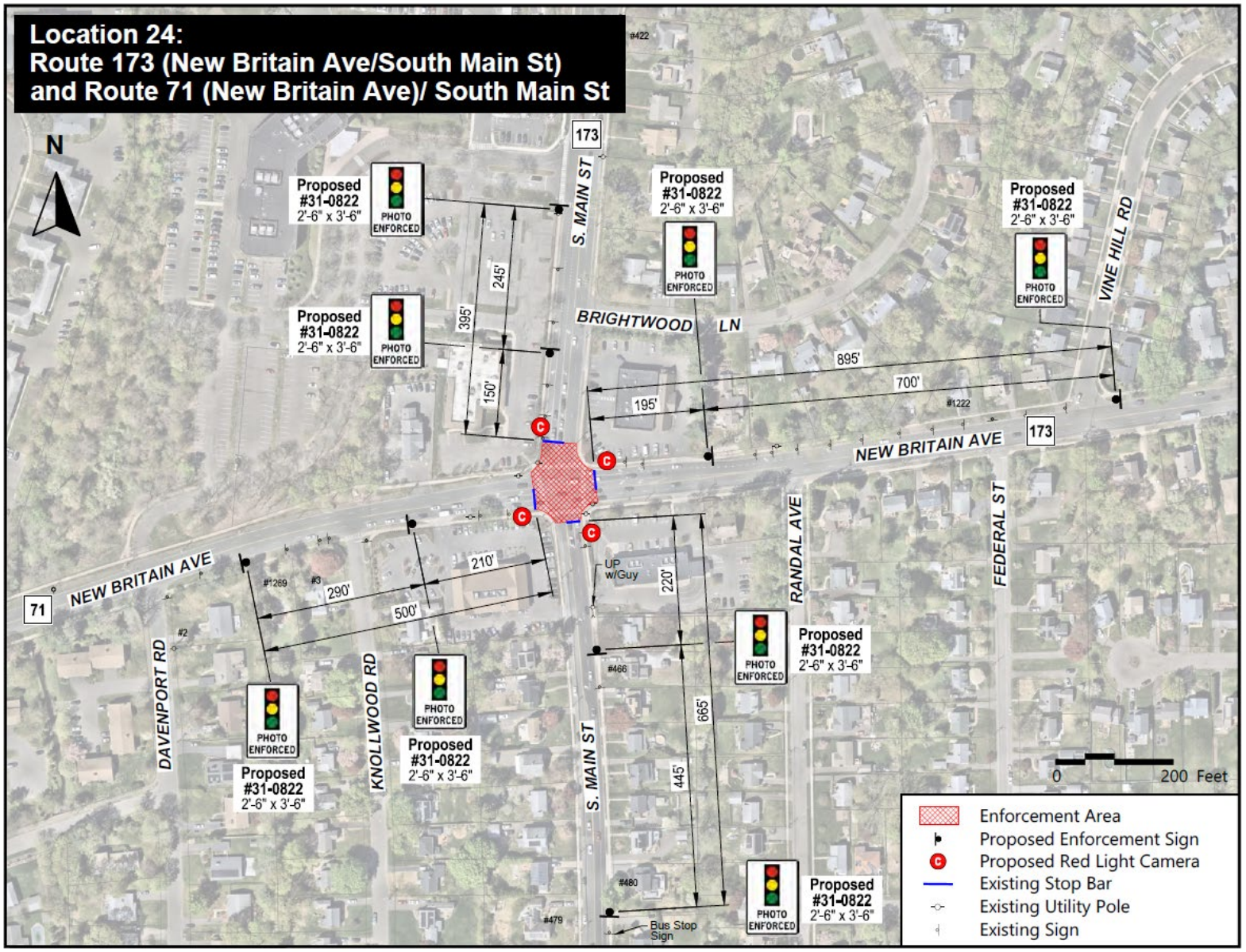
- Commercial areas and businesses directly adjacent to the intersection, including Hartford Healthcare offices
- Urgent/High Priority Vision Zero Focus Area based on West Hartford Vision Zero Plan

Police Citations (Red Light Running): 20
(January 2023-December 2025 data)

Intersection Crash Table – Red Light Running Crashes (2023-2025)

ROUTE 173 (SOUTH MAIN STREET/NEW BRITAIN AVENUE) & ROUTE 71 (NEW BRITAIN AVENUE)/SOUTH MAIN STREET

Crash ID	Town	Date	Most Severe Injury	Name Of Roadway	Name Of Intersecting Roadway	Red Light Crash
1221910	West Hartford	9/7/2024	No Apparent Injury (O)	71-N	173-N	Driver Ran Red Light
1233683	West Hartford	11/23/2024	Suspected Minor Injury (B)	71-N	SOUTH MAIN ST	Driver Ran Red Light


Location 24:
Route 173 (New Britain Ave/South Main St)
and Route 71 (New Britain Ave)/ South Main St
N
173
71
S. MAIN ST
BRIGHTWOOD LN
NEW BRITAIN AVE
VINE HILL RD
RANDAL AVE
FEDERAL ST
DAVENPORT RD
KNOLLWOOD RD
Proposed #31-0822 2'-6" x 3'-6"
PHOTO ENFORCED
245'
395'
150'
895'
700'
195'
210'
290'
500'
220'
665'
445'
UP w/Guy
Bus Stop Sign
0
200 Feet
Enforcement Area
Proposed Enforcement Sign
Proposed Red Light Camera
Existing Stop Bar
Existing Utility Pole
Existing Sign

MOVEMENT DIAGRAM

		FLASH	PHASE 1			PHASE 2			PHASE 3			PHASE 4			PHASE 5			PHASE 6			PHASE 7			PHASE 8			PHASE 9		
NTOR			NONE																										
FACE #	1	FLASH	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL
	2	R	◀— R	◀Y R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R
	3	R	R	R	R	G	Y ①	R ②	R →	R Y▶	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
	4	R	R	R	R	R	R	R	◀— R	◀Y R	R	R	R	R	G	Y	R	R	R	R	R	R	R	G	Y	R	R	R	R
	5	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
	6	R	R	R	R	G	Y	R	R	R	R	R	R	R	◀— R	◀Y R	R	R	R	R	R	R	R	R	R	R	R	R	R
	7	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	◀— R	◀Y R	R	R	R	R	R	R	R
	8	R	R →	R Y▶	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y ③	R ④	R	R	R
	P	OFF	◀										DW						YIELD	PT.							WØ		DW ▶
							◀— YIELD	PT.																					
INTERVALS	MIN GRN		5			15			5			5			5			15			5			5					
	WALK																										7		
	PED CLR																										19		
	VEH EXT		1.5			2.5			1.5			1.5			1.5			2.5			1.5			2.5					
	MAX 1		9			30			9			28			9			30			9			28					
	MAX 2		11			29			9			27			11			29			9			27					
	YELLOW			3.0			4.1			3.0			3.6			3.0			4.1			3.0			3.6			4.0	
	RED				1.0			1.7			1.0			2.6			1.0			1.7			1.0			2.6			0.0
	ADD INIT																												
	MAX INIT																												
	TBR																												
	TTR																												
	MIN GAP																												
MODE			NON-LOCK			MIN RECALL			NON-LOCK			NON-LOCK			NON-LOCK			MIN RECALL			NON-LOCK			NON-LOCK			NON-LOCK		
INT START			THIS PHASE															THIS PHASE											

DETECTORS

IDENT	SIZE (WXL)*	TURNS	MODE
D1	2.3 m X 14.2 m	VIDEO 360	PRESENCE
D2	5.3 m X 2.8 m	VIDEO IP	PRESENCE
D2A	5.7 m X 2.8 m	VIDEO IP	PRESENCE
D3	2.8 m X 12.0 m	VIDEO 360	PRESENCE
D4	SEE PLAN	VIDEO 360	PRESENCE
D6	5.1 m X 2.8 m	VIDEO IP	PRESENCE
D6A	5.4 m X 2.8 m	VIDEO IP	PRESENCE
D7	2.8 m X 12.8 m	VIDEO 360	PRESENCE
D8	SEE PLAN	VIDEO 360	PRESENCE
SD2	5.6 m X 12.3 m	VIDEO 360	PRESENCE
SD6	5.2 m X 11.2 m	VIDEO 360	PRESENCE

* LOCATION AND SIZES OF DETECTION ZONES ARE APPROXIMATE

SYSTEM LOC

MASTER	
155-219	
155-216	
155-217	
155-218	
155-251	
155-229	
155-230	
155-232	
155-234	

COORDINATION TYPE: CLOSED LOOP

PROGRAM FUNCTION	PROGRAM TIME	DAYS	CYCLE	OFFSET SEC	OFFSET %
FLASH	NONE				
	SEE TECH NOTES				

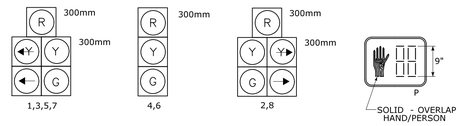
TECHNICAL NOTES

STANDARD OVERLAP SKIP FEATURES APPLY
D3 TO CALL PHASE 3 AND EXTEND PHASE 3 AND 8.
① TO BE Y —▶ IF PHASE 3 IS NEXT.
② TO BE R —▶ IF PHASE 3 IS NEXT.
③ TO BE Y —▶ IF PHASE 1 IS NEXT.
④ TO BE R —▶ IF PHASE 1 IS NEXT.
PHASES 1 AND 5 TO DRIVE FACES 1 AND 5 ◀Y AND ◀— ONLY.
PHASES 2 AND 6 TO DRIVE FACES 1 AND 5 R, Y AND G.
PHASES 3 AND 7 TO DRIVE FACES 3 AND 7 ◀Y AND ◀— ONLY.
PHASES 4 AND 8 TO DRIVE FACES 3 AND 7 R, Y AND G.
TIMINGS SHOWN REFLECT FREE OPERATION.
ACTUAL COORDINATION INFORMATION TO BE DETERMINED BY THE CLOSED LOOP LOCAL COORDINATION UNIT.

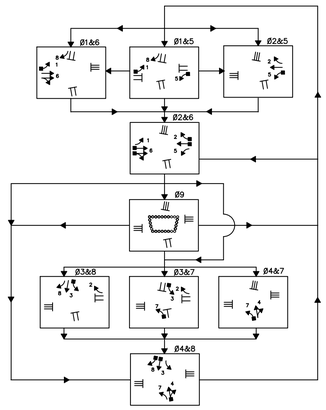
OFFICE RECORD

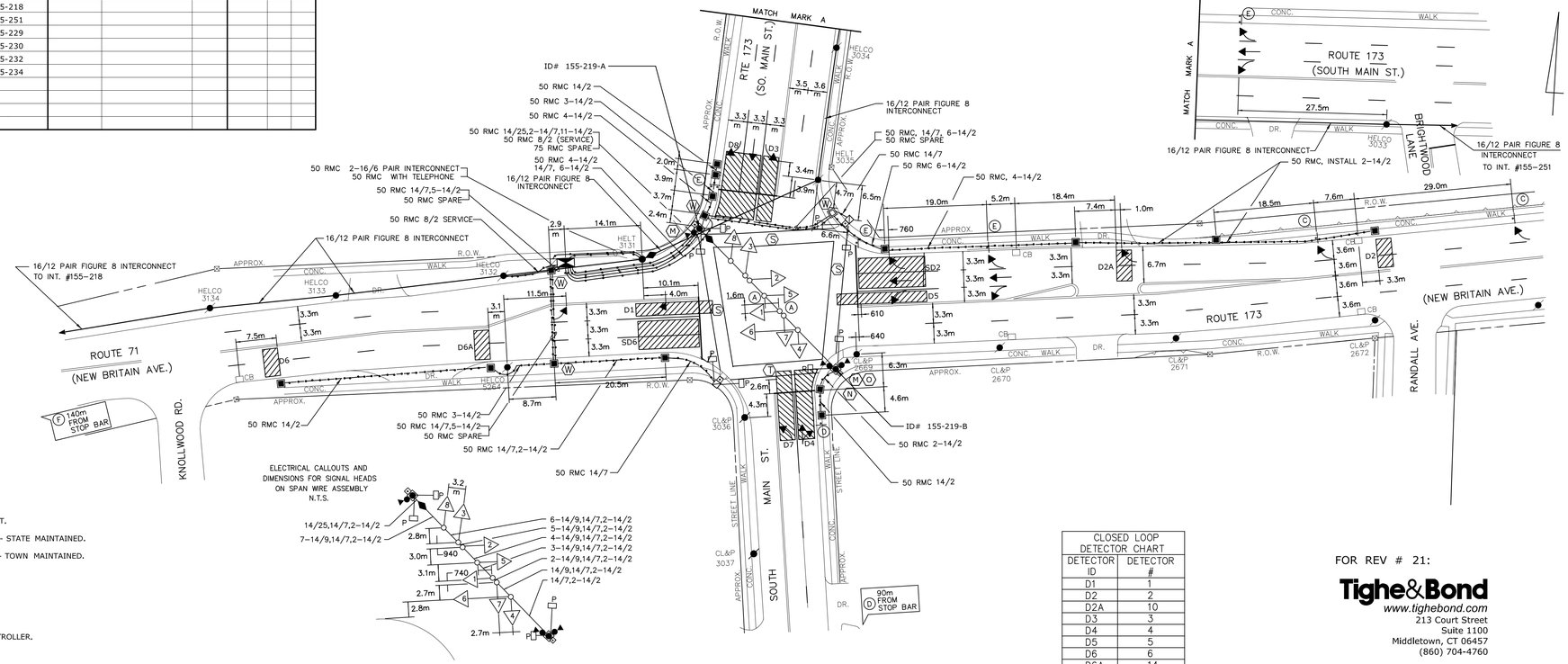
REV # 21	TIR # N/A	SM #	SIGNAL REVISED: 6/6/2019
REVISED TIMINGS UNDER STATE PROJECT NO. 171-398.			
REV # 22	TIR # N/A	SM # N/A	SIGNAL REVISED: 10/02/2019
LOOPS REPLACED WITH CAMERAS BY TRAFFIC SIGNAL LAB			
REV # 23	TIR # N/A	SM # N/A	SIGNAL REVISED: 02/08/2022
TRAFFIC & ELEC. DES: TRAFFIC SIGNALS UNIT			
REVISED TRAFFIC SIGNAL INDICATIONS UNDER PROJECT 0171-0449.			

SIGNAL FACES



ALL INDICATIONS HAVE LED LAMPS.





ELECTRICAL CALLOUTS AND DIMENSIONS FOR SIGNAL HEADS ON SPAN WIRE ASSEMBLY N.T.S.

SIGN LEGEND

- (A) SPAN WIRE MTD. 31-0183 — ONLY
- (C) EXISTING 31-0118 — RIGHT LANE MUST TURN RIGHT
- (D) EXISTING 31-0282Z — ONLY
- (E) EXISTING 31-0302 — ONLY / ONLY
- (F) EXISTING 41-0836

NOTES:

STATE TO MAINTAIN ALL STOP BARS AND PAVEMENT MARKINGS ON ROUTE 71 AND ROUTE 173.

TOWN OF WEST HARTFORD TO MAINTAIN ALL PAVEMENT MARKINGS ON SOUTH LEG OF SOUTH MAIN ST.

- (S) BAR TYPE CROSSWALK (0.4m - 0.4m X 2.4m MIN.) - STATE MAINTAINED.
- (T) BAR TYPE CROSSWALK (0.4m - 0.4m X 2.4M MIN.) - TOWN MAINTAINED.
- (W) 760mm x 760mm CONCRETE HANDHOLE
- (M) VIDEO DETECTION BY USE OF VIDEO-IP CAMERA.
- (N) VIDEO DETECTION BY USE OF VIDEO-360 CAMERA.
- (O) CAT-5E CABLE RUN DIRECTLY FROM CAMERA TO CONTROLLER.

CLOSED LOOP DETECTOR CHART

DETECTOR ID	DETECTOR #
D1	1
D2	2
D2A	10
D3	3
D4	4
D5	5
D6	6
D6A	14
D7	7
D8	8
SD2	---
SD6	---

SPAN POLE INFORMATION

ID #	POLE LENGTH	BOLT CIRCLE	CAMERA BRACKET LENGTH	YEAR INSTALLED
155-219-A	30'	22"		2004
155-219-B	30'	22"		2004

FOR REV # 21:

Tighe&Bond
www.tighebond.com
213 Court Street
Suite 1100
Middletown, CT 06457
(860) 704-4760

	TRAFFIC	DATE	ELECTRICAL	DATE
ENGINEER				
DRAWN BY				
CHECKED BY				
SUBMITTED BY				
APPROVED BY				
APPROVED DATE				

REV # 23 — INTERSECTION # 155-219

ENERGY BY - TOWN	ADDRESS #M450 ML451 L456
MAINT LEVEL 1	SERVICE POLE - HELT 3131
	UNMETERED SERVICE

NO.	DATE	REVISION DESCRIPTION

LEGEND:
R RED; Y YELLOW; G GREEN; ◀R RED ARROW; ◀Y YELLOW ARROW; ◀— GREEN ARROW; WØ WALK/ PED. CLR; D.W. DON'T WALK; FL. FLASHING

- PROPOSED WOOD SPAN POLE
- EXISTING WOOD SPAN POLE
- PROPOSED STEEL SPAN POLE
- EXISTING STEEL SPAN POLE
- PROPOSED UTILITY POLE
- EXISTING UTILITY POLE
- PEDESTAL MOUNTING
- PEDESTRIAN PUSH BUTTON & SIGN
- DIRECTIONAL ARW. FOR PUSH BUTTON
- TRAFFIC SIGNAL FACE
- PEDESTRIAN SIGNAL FACE
- DET. LEADS IN SAW CUT
- PROPOSED RMC (RIGID METAL CONDUIT)
- EXISTING RMC (RIGID METAL CONDUIT)
- AUXILIARY TERMINATION CABINET
- AUXILIARY EQUIPMENT CABINET
- VIDEO DETECTION ZONE
- PROPOSED CONTROLLER
- EXISTING CONTROLLER
- LOOP DETECTOR
- SD SYSTEM DETECTOR
- MAGNETIC DETECTOR
- OPTICAL DETECTOR
- VIDEO DETECTOR
- AUDIO DETECTOR
- SIDEWALK RAMP
- CABLE CLOSURE
- WIRELESS SENSOR
- WIRELESS RECEIVER
- WIRELESS TRANSMITTER
- GUY WIRE
- PROPOSED HANDHOLE
- EXISTING HANDHOLE

DATE PLOTTED : 7/27/2022 D:\Users\xianyy\Downloads\023_TR_ASSET_155_219.dgn

ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE NOTED — SCALE 1:500

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

ROUTE 71 (NEW BRITAIN AVE) AT ROUTE 173 (NEW BRITAIN AVE & SOUTH MAIN ST) AND SOUTH MAIN ST

TOWN: **WEST HARTFORD**

PROJECT NO. 0171-0449

DRAWING NO.

SHEET NO.

DRAWING TITLE: **TRAFFIC CONTROL SIGNAL PLAN**

Location No. 25 – SOUTH MAIN STREET & PARK ROAD/SEDGWICK ROAD

Crash Data (2023-2025):

- Number of Intersection Crashes: 32
- Number of Red Light Running Crashes: 4
- Percent of Intersection Crashes that are Red Light Running: 13%
- Vulnerable Road User Crashes: None
- Number of injury crashes: 8

Roadway and Traffic Data:

- Average daily traffic (total of all approaches): 49,398 vehicles
- Roadway Classifications:
  - South Main Street – SB, Other Principal Arterial; NB, Minor Arterial
  - Park Road – Other Principal Arterial
  - Sedgwick Road – Minor Arterial
- Roadway Approaches:
  - South Main Street – Four lanes undivided
  - Park Road – Four lanes undivided
  - Sedgwick Road – Four lanes undivided

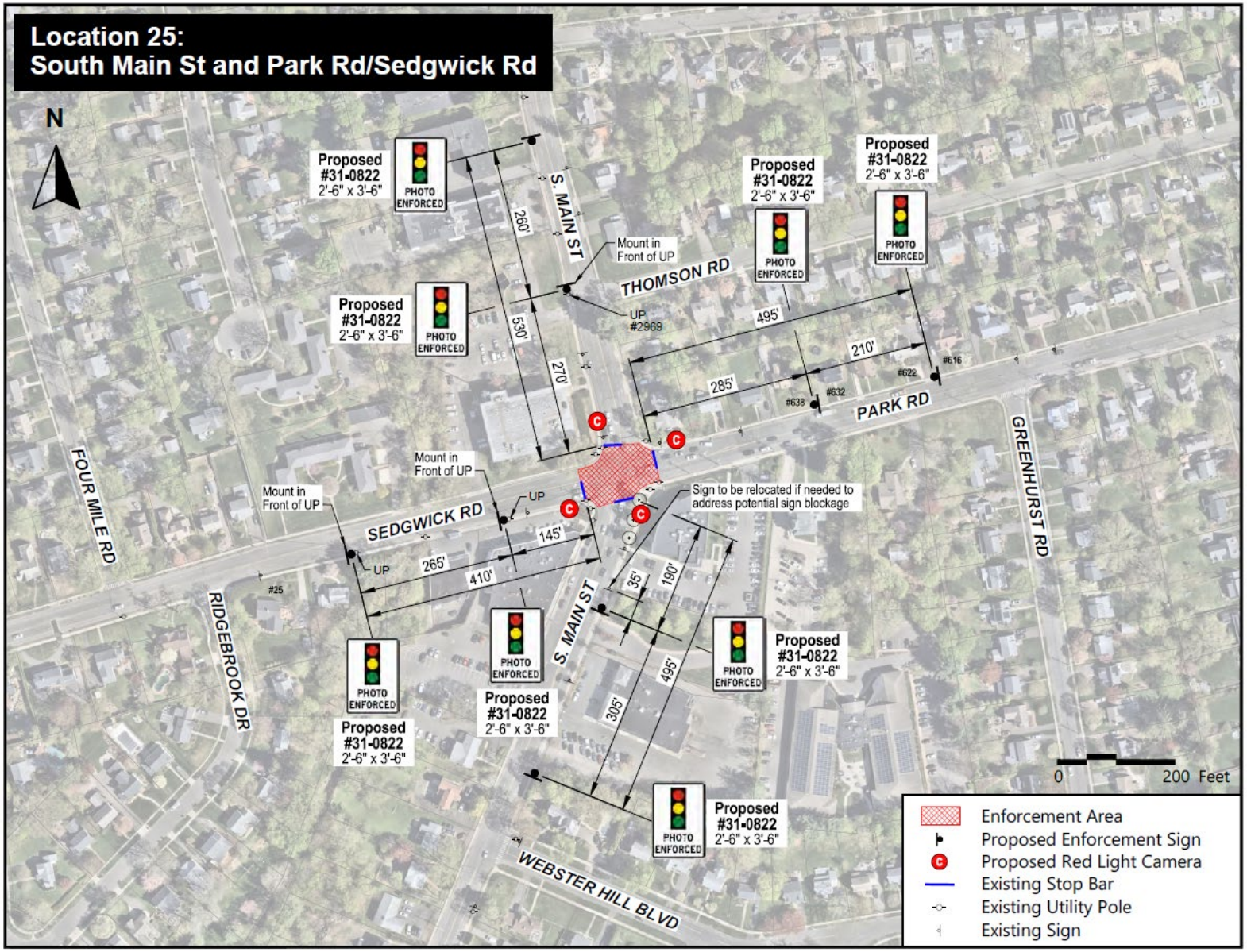
Land Use/VRU Context:

- Adjacent to high density commercial area, medical offices, and pharmacy
- Urgent/High Priority Vision Zero Focus Area based on West Hartford Vision Zero Plan
- Location of Crossing Guard for students walking to Sedgwick Middle School and Duffy Elementary School

Police Citations (Red Light Running): 45
(January 2023-December 2025 data)

Intersection Crash Table – Red Light Running Crashes (2023-2025) SOUTH MAIN STREET AND PARK ROAD/SEDGWICK ROAD

Crash ID	Town	Date	Most Severe Injury	Name Of Roadway	Name Of Intersecting Roadway	Red Light Crash
1084262	West Hartford	8/30/2023	Suspected Minor Injury (B)	SOUTH MAIN ST NO 2	SEDGWICK RD	Driver Ran Red Light
1199285	West Hartford	9/14/2024	No Apparent Injury (O)	PARK RD	SOUTH MAIN ST NO 2	Driver Ran Red Light
1223873	West Hartford	10/13/2024	No Apparent Injury (O)	SOUTH MAIN ST NO 2	PARK RD	Driver Ran Red Light
1338126	West Hartford	11/27/2025	Possible Injury (C)	SOUTH MAIN ST NO 2	SEDGWICK RD	Driver Ran Red Light


Location 25:
South Main St and Park Rd/Sedgwick Rd
N
Proposed #31-0822 2'-6" x 3'-6"
PHOTO ENFORCED
S. MAIN ST
THOMSON RD
PARK RD
SEDGWICK RD
FOUR MILE RD
RIDGEBROOK DR
GREENHURST RD
WEBSTER HILL BLVD
Mount in Front of UP
UP #2969
UP
260'
530'
270'
495'
210'
285'
145'
265'
410'
35'
190'
305'
#616
#622
#632
#638
#25
Sign to be relocated if needed to address potential sign blockage
0
200 Feet
Enforcement Area
Proposed Enforcement Sign
Proposed Red Light Camera
Existing Stop Bar
Existing Utility Pole
Existing Sign

MOVEMENT DIAGRAM

		NTOR	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED PHASE
			1	5 2	3	7 4	5	6 1	7	8 3	P P P P
		FLASH	GRN CL CL	GRN CL CL	GRN CL CL	GRN CL CL	GRN CL CL	GRN CL CL	GRN CL CL	GRN CL CL	GRN CL CL
FACE #	1	R	←R ↚R R	R R R	R R R	R R R	R R R	G Y R	R R R	R R R	R R R
	2	R	R R R	G Y R	R R R	R R R	R R R	R R R	R R R	R R R	R R R
	3	R	R R R	R R R	←R ↚R R	R R R	R R R	R R R	R R R	G Y R	R R R
	4	R	R R R	R R R	R R R	G Y R	R R R	R R R	R R R	R R R	R R R
	5	R	R R R	G Y R	R R R	R R R	←R ↚R R	R R R	R R R	R R R	R R R
	6	R	R R R	R R R	R R R	R R R	R R R	G Y R	R R R	R R R	R R R
	7	R	R R R	R R R	R R R	G Y R	R R R	R R R	←R ↚R R	R R R	R R R
	8	R	R R R	R R R	R R R	R R R	R R R	R R R	R R R	G Y R	R R R
	P	OFF	←				DW			→	WØ ↚DW
				←YIELD POINT				←YIELD POINT			
											WØ FDW
	MIN		4 3 1	10 3 1	4 3 1	10 3 1	4 3 1	10 3 1	4 3 1	10 3 1	4 18 4 0
	MAX		20 5 3	45 5 3	20 5 3	45 5 3	20 5 3	45 5 3	20 5 3	45 5 3	7 22 4 0
INTERVALS	MIN GRN		5	13	5	10	5	13	5	10	4 18
	WALK										
	PED CLR										
	VEH EXT		2	1	1.5	2	2	1	1.5	2	
	MAX 1		10	35	10	25	10	35	10	25	
	MAX 2		20	39	12	33	20	39	12	33	
	YELLOW		3.0	4.9	3.0	4.1	3.0	4.9	3.0	4.1	4.0
	RED		1.0	1.4	1.0	3.0	1.0	1.4	1.0	3.0	0
	ADD INIT										
	MAX INIT										
	TBR										
	TTR										
	MIN GAP										
MODE			NON-LOCK	MIN RECALL	NON-LOCK	NON-LOCK	NON-LOCK	MIN RECALL	NON-LOCK	NON-LOCK	NON-LOCK
INIT START				THIS PHASE				THIS PHASE			

COUNTDOWN PEDESTRIAN SIGNALS

DETECTORS				SYSTEM LOC	COORDINATION TYPE: CLOSED LOOP				
IDENT	SIZE (WXL)	TYPE	MODE	MASTER WH-53	PROGRAM FUNCTION	PROGRAM TIME	PROGRAM DAYS	CYCLE	OFFSET SEC	OFFSET %
D1,D1R	6' X 16'	VIDEO	PRESENCE	WH-48 WH-50	FLASH	NONE				
D2,D2R	16' X 16'	VIDEO	PRESENCE	WH-52 WH-59		SEE TECH NOTES				
D3,D3R	6' X 16'	VIDEO	PRESENCE							
D4,D4R	16' X 16'	VIDEO	PRESENCE							
D5,D5R	6' X 16'	VIDEO	PRESENCE							
D6,D6R	16' X 16'	VIDEO	PRESENCE							
D7,D7R	6' X 16'	VIDEO	PRESENCE							
D8,D8R	16' X 16'	VIDEO	PRESENCE							

SIGN LEGEND

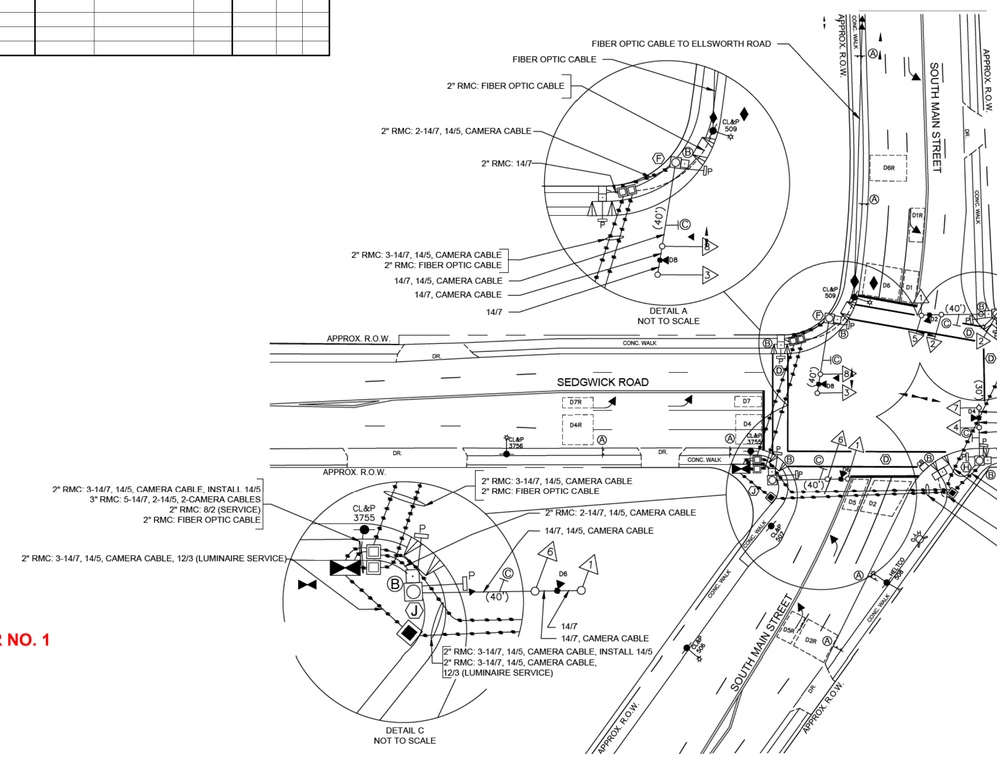
Ⓐ INSTALL 31-0307 (ONLY)

Ⓑ EXISTING 31-083X (MUTCD SIGN NO. R10-3E) (PUSH BUTTON WITH COUNTDOWN INFORMATION)

Ⓒ EXISTING 31-0824 NO TURN ON RED (MAST ARM MOUNT)

NOTES:

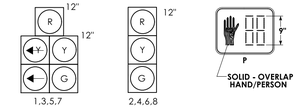
Ⓓ EXISTING BAR TYPE CROSSWALK (16" x 16" x 10')



TECHNICAL NOTES

TECHNICAL NOTES	OFFICE RECORD
STANDARD OVERLAP SKIP FEATURES APPLY.	REV # TIR N/A SM # SIGNAL REVISED:
TIMINGS SHOWN REFLECT FREE OPERATION.	REVISED CLEARANCE TIMINGS UNDER PROJECT # 0171-0463
ACTUAL TIMING TO BE DETERMINED BY THE TOWN OF WEST HARTFORD.	
MANUAL AND INTERVAL ADVANCE TO BE DISCONNECTED DURING PED PHASE CLEARANCE INTERVAL.	
FRONT DETECTOR ZONES SHALL CALL ONLY. REAR DETECTOR ZONES SHALL CALL & EXT EXCEPT DETECTOR ZONE D1, WHICH SHALL ALSO CALL & EXT.	
COUNTDOWN DISPLAYS SHALL NOT BE USED DURING THE WALK INTERVAL NOR DURING THE YELLOW CLEARANCE INTERVAL.	
PHASES 1 & 5 TO DRIVE FACES 1 & 5 ←AND ↚ ONLY.	
PHASES 2 & 6 TO DRIVE FACES 1 & 5 R, Y, AND G.	
PHASES 3 & 7 TO DRIVE FACES 3 & 7 ←AND ↚ ONLY.	
PHASES 4 & 8 TO DRIVE FACES 3 & 7 R, Y, AND G.	

SIGNAL FACES

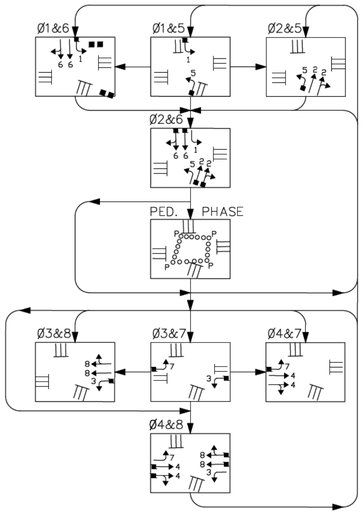


ALL INDICATIONS HAVE LED LAMPS

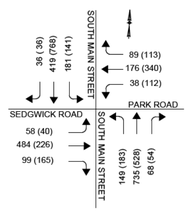
FACES 3, 4, 7, AND 8 HAVE BACKPLATES

CLOSED LOOP DETECTOR CHART		
DETECTOR	LOCAL DETECTOR	SYSTEM DETECTOR
D2	D2,D2R,D5,D5R	
D4	D4,D4R,D7,D7R	
D6	D1,D1R,D6,D6R	
D8	D3,D3R,D8,D8R	
P.P.B.		

PHASING SEQUENCE
(STANDARD N.E.M.A. CONTROLLER)

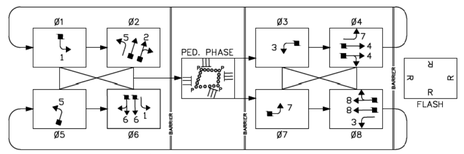


2016 TRAFFIC VOLUMES



LEGEND
XX WEEKDAY MORNING PEAK HOUR
(XX) WEEKDAY AFTERNOON PEAK HOUR

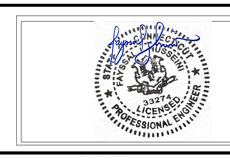
SIGNAL PHASING
(STANDARD N.E.M.A. TRAFFIC SIGNAL CONTROLLER)



NOTE:
—— INDICATES NON-CONFLICTING VEHICLE PHASES THAT MAY TIME CONCURRENTLY

CLEARANCE INTERVALS DESIGNED BY:
BETA GROUP, INC.

ENGINEER'S SEAL & SIGNATURE APPLY TO CLEARANCE INTERVALS ONLY.



DESIGN INITIATED CHANGE ORDER NO. 1

MAST ARM DATA				
POLE	POLE HEIGHT	ARM LENGTH	BOLT CIRCLE	LUMINAIRE BRACKET LENGTH
Ⓕ	22'	40'	A.P.M.R.	N/A
Ⓖ	30'	40'	A.P.M.R.	10'
Ⓗ	22'	30'	A.P.M.R.	N/A
Ⓙ	22'	40'	A.P.M.R.	N/A

A.P.M.R. IS AS PER MANUFACTURER'S RECOMMENDATIONS.
MAST ARM ASSEMBLIES SHALL CONFORM TO THE 2001 AASHTO DESIGN CRITERIA (AS AMENDED), FATIGUE CATEGORY 1.

REV.	DATE	REVISION DESCRIPTION
1	03/07/25	TIMING VALUE CHANGED

BETA
www.BETA-Inc.com

	TRAFFIC	DATE	ELECTRICAL	DATE
ENGINEER				
DRAWN BY				
CHECKED BY				
SUBMITTED BY				
APPROVED BY				
APPROVED DATE				

TOWN SIGNAL

REV #	INTERSECTION #WH-53
ENERGY BY - TOWN	ADDRESS #
MAINT LEVEL 1	SERVICE POLE - CL&P #3755
	UNMETERED SERVICE

LEGEND:
R RED, Y YELLOW, G GREEN
FL. FLASHING
◄R RED ARROW, ◄Y YELLOW ARROW, ◄ GREEN ARROW
WØ WALK/ PED. CLR, D.W. DON'T WALK
~~ DET. LEADS IN SAW CUT
—— PROPOSED RMC, —— EXISTING RMC
VC VIDEO CAMERA CABLE, RC RADAR CABLE
○ PROPOSED WOOD SPAN POLE, ● EXISTING WOOD SPAN POLE
◙ PROPOSED STEEL SPAN POLE, ◙ EXISTING STEEL SPAN POLE
PROPOSED UTILITY POLE, EXISTING UTILITY POLE
□ PEDESTAL MOUNTING, ⊡ PEDESTRIAN PUSH BUTTON & SIGN, ⊡ DIRECTIONAL ARW. FOR PUSH BUTTON
PEDESTRIAN SIGNAL FACE, GUY WIRE
▣ EXISTING HANDHOLE, ▣ PROPOSED HANDHOLE
AUXILIARY TERMINATION CABINET, AUXILIARY EQUIPMENT CABINET
PROPOSED CONTROLLER, EXISTING CONTROLLER
IP DETECTOR, RADAR DETECTOR, THERMAL DETECTOR, AUDIO DETECTOR
360° CAMERA ASSEMBLY, OPTICAL DETECTOR
SD SYSTEM DETECTOR, VIDEO DETECTION ZONE, LOOP DETECTOR, RADIO ANTENNA

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0171-0463
SOUTH MAIN STREET AT PARK ROAD AND SEDGWICK ROAD
TOWN(S): WEST HARTFORD
DRAWING TITLE: TRAFFIC CONTROL SIGNAL PLAN

0 40 80
SCALE 1" = 40'

DRAWING NO. TCS-182
SHEET NO. 03.40-143.C1

LASTED SAVED BY: RichardEH **FILE NAME:** C:\Users\richardeh\State of Connecticut\DOT CTDOT_DDE - CONNECT_WIP\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 3/7/2025

Location No. 26 – SOUTH QUAKER LANE & BOULEVARD

Crash Data (2023-2025):

- Number of Intersection Crashes: 10
- Number of Red Light Running Crashes: 5
- Percent of Intersection Crashes that are Red Light Running: 50%
- Vulnerable Road User Crashes: None
- Number of injury crashes: 3

Roadway and Traffic Data:

- Average daily traffic (total of all approaches): 20,750 vehicles
- Roadway Classifications:
  - South Quaker Lane – Minor Arterial
  - Boulevard – Minor Arterial
- Roadway Approaches:
  - South Quaker Lane – Two lanes undivided
  - Boulevard – Two lanes undivided

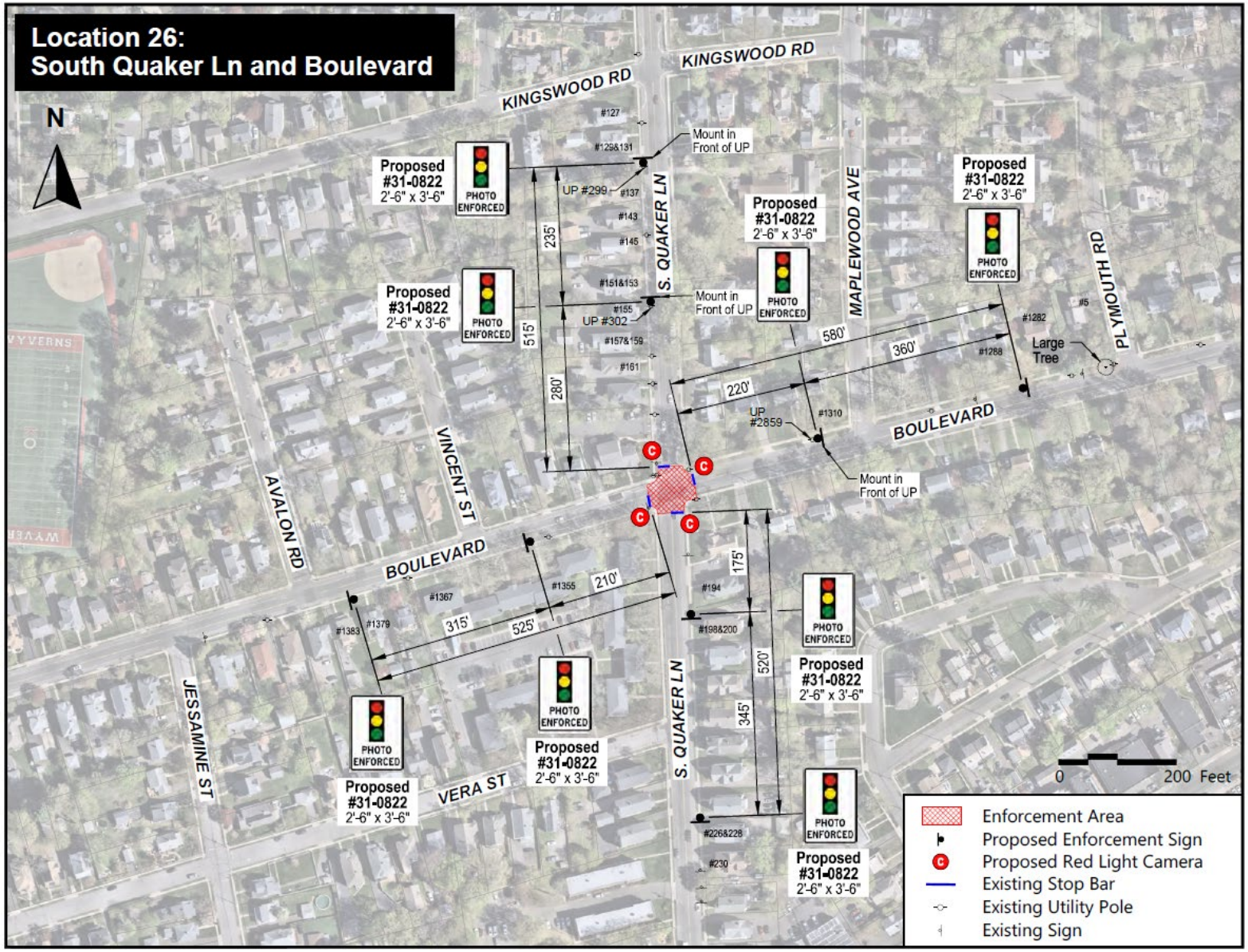
Land Use/VRU Context:

- Urgent/High Priority Vision Zero Focus Area based on West Hartford Vision Zero Plan
- Location of Crossing Guard for students walking to Whiting Lane Elementary School

Police Citations (Red Light Running): 9
(January 2023-December 2025 data)

Intersection Crash Table – Red Light Running Crashes (2023-2025) SOUTH QUAKER LANE & BOULEVARD

Crash ID	Town	Date	Most Severe Injury	Name Of Roadway	Name Of Intersecting Roadway	Red Light Crash
1134559	West Hartford	1/27/2024	Possible Injury (C)	BOULEVARD	QUAKER LANE SO	Driver Ran Red Light
1176571	West Hartford	6/15/2024	Suspected Minor Injury (B)	BOULEVARD	QUAKER LANE SO	Driver Ran Red Light
1213364	West Hartford	9/24/2024	No Apparent Injury (O)	BOULEVARD	QUAKER LANE SO	Driver Ran Red Light
1218253	West Hartford	10/19/2024	No Apparent Injury (O)	BOULEVARD	QUAKER LANE SO	Driver Ran Red Light
1279091	West Hartford	5/23/2025	No Apparent Injury (O)	BOULEVARD	QUAKER LANE SO	Driver Ran Red Light


Location 26:
South Quaker Ln and Boulevard
N
KINGSWOOD RD
KINGSWOOD RD
S. QUAKER LN
MAPLEWOOD AVE
PLYMOUTH RD
BOULEVARD
BOULEVARD
AVALON RD
VINCENT ST
JESSAMINE ST
VERA ST
Proposed #31-0822 2'-6" x 3'-6"
PHOTO ENFORCED
Mount in Front of UP
UP #299
UP #302
UP #2859
235'
515'
280'
580'
360'
220'
175'
520'
345'
315'
525'
210'
Large Tree
0
200 Feet
Enforcement Area
Proposed Enforcement Sign
Proposed Red Light Camera
Existing Stop Bar
Existing Utility Pole
Existing Sign

MOVEMENT DIAGRAM

NONE



NTOR		PHASE 1			PHASE 2				PHASE 3			PHASE 4				PHASE 5			PHASE 6				PHASE 7			PHASE 8			
	FLASH	GRN	CL	CL	LPI	GRN	CL	CL	GRN	CL	CL	LPI	GRN	CL	CL	GRN	CL	CL	LPI	GRN	CL	CL	GRN	CL	CL	LPI	GRN	CL	CL
2	R					G	Y	R					R	R	R					R	R	R					R	R	R
4	R					R	R	R					G	Y	R					R	R	R					R	R	R
6	R					R	R	R					R	R	R					G	Y	R					R	R	R
8	R					R	R	R					R	R	R					R	R	R					G	Y	R
P2	OFF				WØ	DW							DW							DW							DW		
P4	OFF					DW						WØ	DW							DW							DW		
P6	OFF					DW							DW						WØ	DW							DW		
P8	OFF					DW							DW							DW						WØ	DW		
						G	W	FDW					G	W	FDW					G	W	FDW					G	W	FDW	
	MIN.				3	10	1	7	3	1		3	10	1	6	3	1		3	10	1	7	3	1		3	10	1	6	3	1
	MAX.				7	55	10	16	5	3		7	40	10	15	5	3		7	55	10	16	5	3		7	40	10	15	5	3
MIN GRN						15							15							15							15		
WALK					4①	6①						4②	5②						4①	6①						4②	5②		
PED CLR						9③		ACCESSIBLE PEDESTRIAN SIGNAL					10③		ACCESSIBLE PEDESTRIAN SIGNAL					9③		ACCESSIBLE PEDESTRIAN SIGNAL					10③		ACCESSIBLE PEDESTRIAN SIGNAL
VEH EXT						3							3							3							3		
MAX 1						28							20							28							20		
MAX 2						43							35							43							35		
YELLOW							3.8							3.9							3.8							3.9	
RED								1.5							1.5							1.5							1.5
ADD INI																													
MAX INT								COUNTDOWN PEDESTRIAN SIGNAL							COUNTDOWN PEDESTRIAN SIGNAL							COUNTDOWN PEDESTRIAN SIGNAL							COUNTDOWN PEDESTRIAN SIGNAL
TBR																													
TTR																													
MIN GAP																													
MODE		OFF			MIN. RECALL				OFF			NON-LOCK				OFF			MIN. RECALL				OFF			NON-LOCK			
INI START					THIS PHASE														THIS PHASE										

DETECTORS

IDENT	SIZE (WxL)	TYPE	MODE
D2	13' x 40'	360 VIDEO	PRESENCE
D4	15' x 40'	360 VIDEO	PRESENCE
D6	13' x 40'	360 VIDEO	PRESENCE
D8	15' x 40'	360 VIDEO	PRESENCE

PROGRAM

FUNCTION	TIME	DAYS
FLASH	NONE	
MAX. 1	ALL OTHER TIMES	DAILY
MAX. 2	0700-1900	M-F

COORDINATION TYPE - NONE

CYCLE	OFFSET SEC	OFFSET %	PHASE SPLITS SEC/% Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8	PED

PERMIS PERIOD: Ø SEC

SYSTEM LOC: MASTER

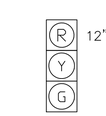
TECHNICAL NOTES

STANDARD OVERLAP SKIP FEATURES APPLY
DURING FREE OPERATION, THE CONTROLLER SHALL REST IN LAST CALL SERVED.
①SPEECH MESSAGE "QUAKER LANE SOUTH, WALK SIGN IS ON TO CROSS QUAKER LANE SOUTH" DURING LPI AND PEDESTRIAN WALK INTERVAL FOR P2 AND P6 BUTTONS.
②SPEECH MESSAGE "BOULEVARD, WALK SIGN IS ON TO CROSS BOULEVARD" DURING LPI AND PEDESTRIAN WALK INTERVAL FOR P4 AND P8 BUTTONS.
③COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.
④CONCURRENT PED PHASE ONLY COMES IN WHEN ACTUATED BY ASSOCIATED PUSHBUTTON
P2 BUTTON CALLS Ø2&Ø6; P6 BUTTON CALLS Ø2&Ø6
P4 BUTTON CALLS Ø4&Ø8; P8 BUTTON CALLS Ø4&Ø8
MANUAL AND INTERVAL ADVANCE TO BE DISCONNECTED DURING PED. CHANGE INTERVAL

LEGEND:
R RED, Y YELLOW, G GREEN
◄R RED ARROW, ◄Y YELLOW ARROW, ◄ GREEN ARROW
WØ WALK/ PED. CLR, D.W. DON'T WALK, FDW FLASHING

ENERGY BY-TOWN | METER # - UNMETERED | INTERSECTION# WH-4
MAINT LEVEL: NORMAL | SERVICE POLE- CL&P 1562
ENERGY USAGE = 125 KW-HR/MO

SIGNAL FACES



2,4,6,8

FACES 2 AND 6 TO HAVE BACKPLATES.



ALL INDICATIONS TO HAVE LED LAMPS.

OFFICE RECORD

STC# SM#

SIGNAL REVISED:
INSTALLED ALL NEW SIGNAL EQUIPMENT UNDER STATE PROJECT NO. 155-161.

SIGNAL REVISION NO. 1 - NOVEMBER 2024
ADDED PED EQUIPMENT (LPI/APS); REV. FLASH; DETECTION UPGRADED TO 360 VIDEO
OSTA # 155-2411-14

TOWN SIGNAL

TRAFFIC CONTROL SIGNAL

TOWN OF WEST HARTFORD

BOULEVARD AT QUAKER LANE SOUTH

REV #1	TRAFFIC		ELECTRICAL	
		DATE		DATE
ENGINEER	DJM	4/2007	DJM	4/2007
DRAFTER	DJM	4/2007	DJM	4/2007
CHECKED BY	SW	4/2007	SW	4/2007
SUBMITTED BY	TOWN OF WEST HARTFORD			
	ENGINEERING DIVISION			
DATE	APRIL 2007			

CONSTRUCTION NOTES

1. ALL TRAFFIC SIGNAL EQUIPMENT AND SIGNS ARE EXISTING EXCEPT AS NOTED
2. PRIOR TO INSTALLATION, CONTRACTOR SHALL NOTIFY BOB BARLOW (WEST HARTFORD DPW) AT (860) 538-4180 TO COORDINATE TRAFFIC SIGNAL WORK
3. REMOVE EXISTING PUSHBUTTONS AND INSTALL EIGHT (8) APS BUTTONS AT LOCATIONS SHOWN Ⓕ ON EXISTING MAST ARM SHAFTS. THE CONTRACTOR MAY RE-USE EXISTING 14/5 CABLE IF CONTRACTOR PROVES THAT THERE IS ADEQUATE SLACK. IF THERE IS NOT ADEQUATE SLACK, THE EXISTING 14/7 CABLE FEEDING PEDESTRIAN PUSHBUTTONS SHALL BE REMOVED. NEW CABLE SHALL BE PULLED FROM THE CABINET TO THE PEDESTRIAN SIGNALS. SPLICING IS NOT PERMITTED. .
4. INSTALL THE VIBROTACTILE ARROW PUSH BUTTONS WITH THE ARROWS PARALLEL TO THE RESPECTIVE CROSSWALK. FIELD VERIFY PUSHBUTTON LOCATION WITH ENGINEER PRIOR TO INSTALLATION. INSTALL SIGN Ⓐ AT EACH RESPECTIVE PUSHBUTTON.
5. INSTALL EIGHT (8) PEDESTRIAN SIGNAL HEADS AT LOCATIONS SHOWN ON PLAN.
6. PUSH BUTTONS AND PEDESTRIAN HEADS TO BE PAINTED YELLOW AS PER TOWN SPECIFICATIONS.
7. REMOVE AND REPLACE EXISTING SIDEWALK RAMPS ON NORTHEAST AND SOUTHEAST CORNERS WITH ADA-COMPLIANT RAMPS. INSTALL CONCRETE SIDEWALK AT NORTHWEST AND SOUTHWEST CORNERS. SEE SIDEWALK PLAN 2.
8. CONTRACTOR SHALL CONTACT CALL BEFORE YOU DIG AT 811 PRIOR TO COMMENCING EXCAVATION ACTIVITIES.
9. ALL EQUIPMENT LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED IN THE FIELD. THE TOWN OF WEST HARTFORD TRAFFIC ENGINEER WILL ASSIST THE CONTRACTOR WITH THE LOCATION OF SIGNAL EQUIPMENT AT THE TIME OF INSTALLATION.
10. INSTALL A TOGGLE BOLT AND WASHER TO EFFECTIVELY SEAL EACH HOLE LEFT IN MAST ARM SHAFTS AND ARMS, OR PEDESTALS, WHERE ANY TRAFFIC SIGNAL EQUIPMENT HAS BEEN REMOVED.
11. THE CONTRACTOR SHALL CONTACT DPW TO COORDINATE THE RETURN OF ALL SALVAGEABLE TRAFFIC SIGNAL EQUIPMENT.
12. CONTRACTOR SHALL RESTORE THE ENTIRE SECTION OF ANY ROADWAY, SIDEWALK, CURBING, DRIVEWAY AND GRASS AREAS WHICH ARE DISTURBED OR DAMAGED BY WORK AT THIS INTERSECTION.
13. ALL WORK, EQUIPMENT, AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST STANDARD DETAILS AND SPECIFICATIONS FOR THE TOWN OF WEST HARTFORD AND THE CONNECTICUT DEPARTMENT OF TRANSPORTATION.
14. 360 VIDEO TO BE INSTALLED BY WHDPW.
15. ABANDONED COAX CAMERA CABLES MAY BE USED AS PULL CORDS.

SIGN LEGEND

Ⓐ INSTALL 31-0856 (R10-3E)



Ⓑ INSTALL BACK TO BACK 31-1625 (LEFT TURNING VEHICLES YIELD TO PEDESTRIANS), 31-1626 (RIGHT TURNING VEHICLES YIELD TO PEDESTRIANS)

Ⓒ INSTALL 31-1625 (LEFT TURNING VEHICLES YIELD TO PEDESTRIANS)

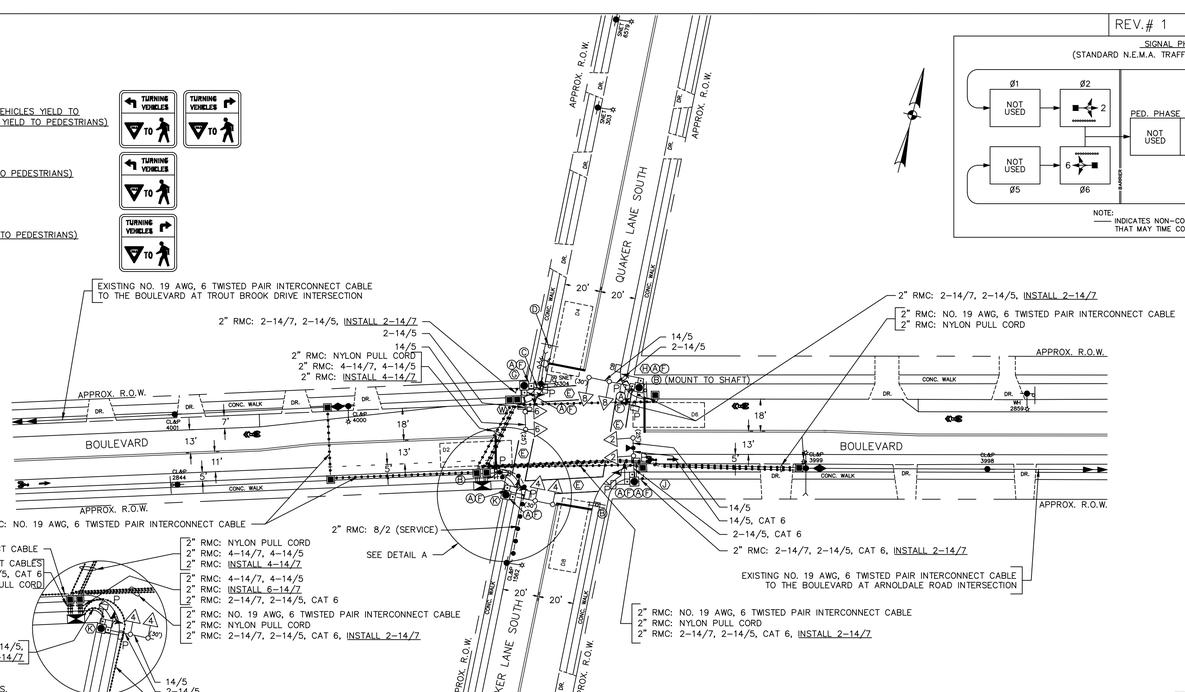


Ⓓ INSTALL 31-1626 (RIGHT TURNING VEHICLES YIELD TO PEDESTRIANS)



NOTES

Ⓔ EXISTING BAR TYPE CROSSWALK (16" x 24" x 8")



MAST ARM DATA			
POLE	POLE HEIGHT	ARM LENGTH	BOLT CIRCLE
Ⓖ	22'	25'	A.P.M.R.
Ⓗ	22'	30'	A.P.M.R.
Ⓙ	22'	25'	A.P.M.R.
Ⓚ	22'	30'	A.P.M.R.

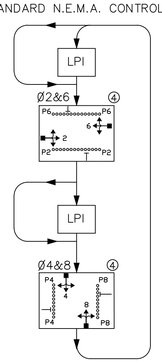
A.P.M.R. IS AS PER MANUFACTURER'S RECOMMENDATIONS.
MAST ARM ASSEMBLIES SHALL CONFORM TO THE 2001 AASHTO DESIGN CRITERIA (AS AMENDED), FATIGUE CATEGORY 1.

REV.# 1 | INTERSECTION# WH-4

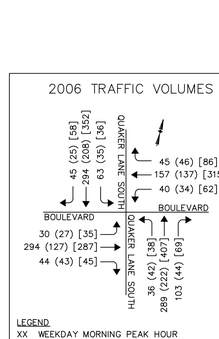
SIGNAL PHASING
(STANDARD N.E.M.A. TRAFFIC SIGNAL CONTROLLER)

NOTE: —— INDICATES NON-CONFLICTING VEHICLE PHASES THAT MAY TIME CONCURRENTLY

PHASING SEQUENCE
(STANDARD N.E.M.A. CONTROLLER)



2006 TRAFFIC VOLUMES



LEGEND
XX WEEKDAY MORNING PEAK HOUR
(XX) WEEKDAY MIDDAY PEAK HOUR
[XX] WEEKDAY AFTERNOON PEAK HOUR

REV.# 1
INTERSECTION# WH-4

LEGEND:
- PROPOSED WOOD SPAN POLE
- EXISTING WOOD SPAN POLE
- PROPOSED STEEL SPAN POLE
- EXISTING STEEL SPAN POLE
- PROPOSED COMBINATION POLE
- PROPOSED UTILITY POLE
- EXISTING UTILITY POLE
- PEDESTAL MOUNTING
- PEDESTRIAN PUSH BUTTON & SIGN
- DIRECTIONAL ARW. FOR PUSH BTTN
- TRAFFIC SIGNAL FACE
- PEDESTRIAN SIGNAL HEAD
- AUDIBLE PEDESTRIAN SIGNAL
- LOOP DETECTOR
- SD SYSTEM DETECTOR
- OPTICAL DETECTOR
- VIDEO DETECTOR
- VIDEO DETECTION ZONE
- PROPOSED CONTROLLER
- EXISTING CONTROLLER
- PROPOSED HANDHOLE
- EXISTING HANDHOLE
- PROPOSED R.M.C. (RIGID METAL CONDUIT)
- EXISTING R.M.C. (RIGID METAL CONDUIT)
- CABLE CLOSURE
- DET. LEADS IN SAW CUT
- RADIO ANTENNA
- MICROWAVE DETECTOR
- STRAIN INSULATOR
- AUXILIARY TERMINATION CABINET
- AUXILIARY EQUIPMENT CABINET

TRAFFIC CONTROL SIGNAL LAYOUT

SCALE - 1"=40'
ALL DIMENSIONS IN INCHES UNLESS OTHERWISE NOTED.

TOWN OF WEST HARTFORD

BOULEVARD AT QUAKER LANE SOUTH

TOWN SIGNAL

NO.	DATE	INIT.	DESCRIPTION

REVISIONS

WEST HARTFORD 1854

TOWN:	WEST HARTFORD
DRAWING TITLE:	TRAFFIC SIGNAL PLAN SHEET
PROJECT NO.:	0170-3513GR
DRAWING NO.:	TCS-02
SHEET NO.:	02.02

FILE: F:\TRAFFIC\Traffic Signals_Drawings\Boulevard at Quaker Lane South WH-04\dwg\Boulevard at Quaker Lane South - Rev 1.dwg

Plotted: 11/26/2024

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Appendix

Town of West Hartford Self-Certification

Town of West Hartford Vision Zero Plan

Town of West Hartford Self-Certification

STATE OF CONNECTICUT

OFFICE OF THE STATE TRAFFIC ADMINISTRATION
DEPARTMENT OF TRANSPORTATION
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111
Email: DOT.OSTA@ct.gov

AUTOMATED TRAFFIC ENFORCEMENT SAFETY DEVICE (ATESD)
MUNIPICAL SELF-CERTIFICATION

I, THE UNDERSIGNED, Shari G. Cantor, hereby certify that I have read Sections 14-307b through 14-307h of the General Statutes of Connecticut concerning municipal use of Automated Traffic Enforcement Safety Devices (ATESD). I understand that the requirements associated with implementation of an ATESD program include, but are not limited to, the following:

- The municipality must adopt an ordinance authorizing the use of ATESDs as required by CGS § 14-307c.
- The municipality must hold a public hearing regarding the municipality's ATESD Plan as required by CGS § 14-307e.
- The municipality's legislative body, Board of Selectmen, or other duly authorized municipal authority must approve the ATESD Plan as required by CGS § 14-307e.
- The municipality shall not install an ATESD until its ATESD Plan has been approved by CTDOT's Office of the State Traffic Administration (OSTA).
- That the municipality shall develop a public awareness campaign to educate the public concerning ATESDs and that the campaign be implemented at least 30 days ***before*** the first ATESD is operational.
- The municipality may enter into agreements with vendors for the design, installation, operation, or maintenance, or any combination thereof, of automated traffic enforcement safety devices. If a vendor designs, installs, operates, or maintains an automated traffic enforcement safety device, the vendor's fee shall ***not*** be contingent on the number of citations issued or fines paid.
- For the first 30 days the ATESD is operational, only a written warning can be issued by the municipality. After 30 days, the municipality may establish a fine not more than fifty dollars for a first violation and not more than seventy-five dollars for a second or subsequent violation.
- The municipality may impose a reasonable fee, not to exceed fifteen dollars, for the costs associated with the electronic processing of the payment of any such fine.
- Any funds received by a municipality from fines imposed shall be used for the purposes of improving transportation mobility, investing in transportation infrastructure improvements, or paying the costs associated with the use of automated traffic enforcement safety devices in the municipality, including reimbursing a vendor for the expenses associated with the design, installation, operation, or maintenance of the ATESDs.
- The municipality shall ensure each ATESD undergoes an annual calibration check performed at a calibration laboratory. The calibration laboratory shall issue a signed certificate of calibration after the annual calibration check.

I, THE UNDERSIGNED, Shari G. Cantor, hereby certify, to the best of my knowledge and belief, that the ATESD Plan complies with the requirements of Sections 14-307b through 14-307h of the Connecticut General Statutes concerning municipal use of Automated Traffic Enforcement Safety Devices ("ATESDs").

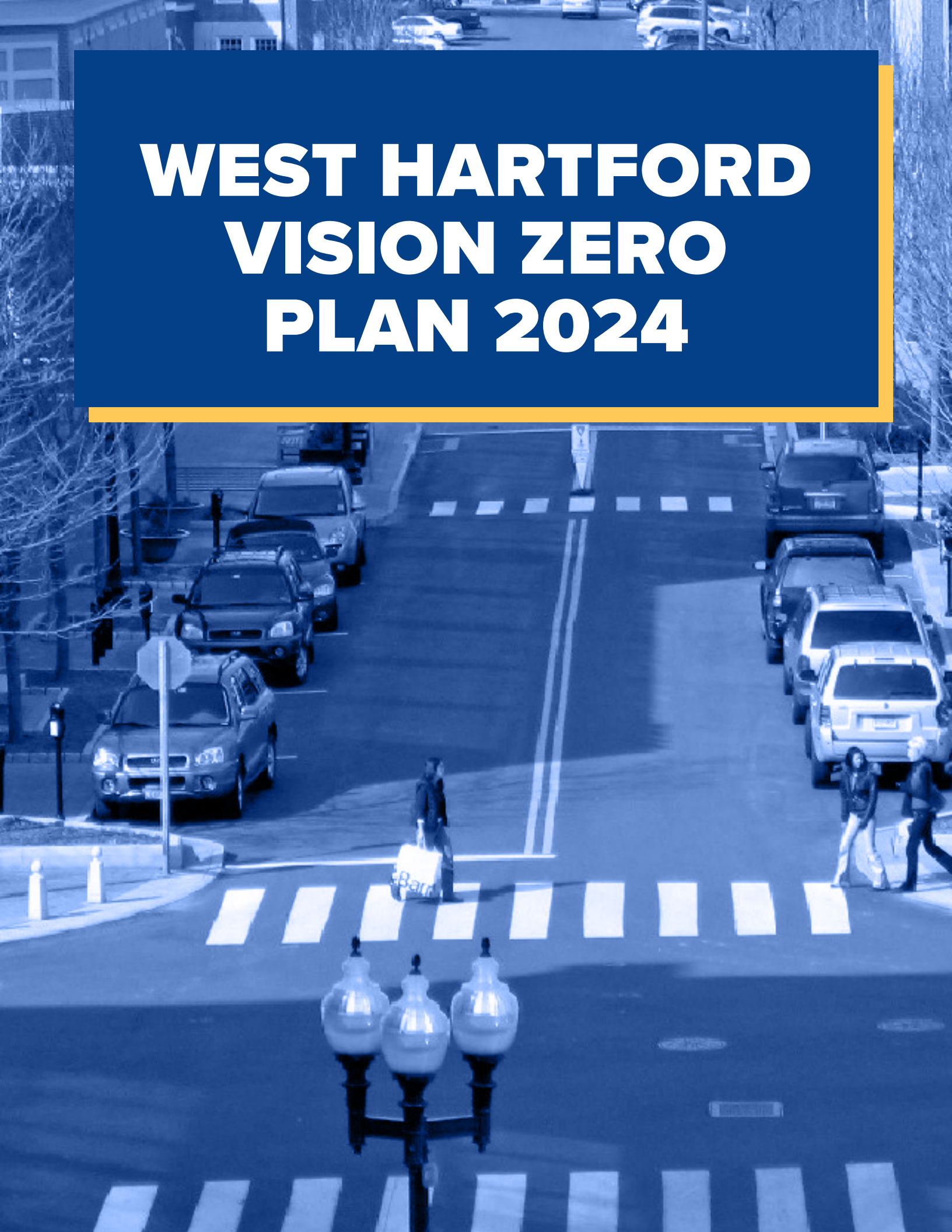
Signature of Chief Elected Official

Town of West Hartford
Name of Municipality

6/23/2026
Date

Town of West Hartford Vision Zero Plan

WEST HARTFORD VISION ZERO PLAN 2024



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WEST HARTFORD
1854

Town of West Hartford – Mayor's Office
50 South Main Street, Room 312, West Hartford, CT 06107
P: (860) 561-7445 F: (860) 561-7438 www.westhartfordct.gov

Dear West Hartford Residents:

I am profoundly committed to the safety and well-being of all our community members. That is why, in January of 2023, I introduced a resolution establishing West Hartford's Vision Zero program. Our Vision Zero Action Plan prioritizes the health and safety of all users and modes of transportation and is a critical step towards eliminating traffic fatalities and serious injuries on our streets.

We are proud of the investments we have made in our transportation network over the years to improve the experience of all roadway users, whether they walk, bike, scooter, drive, take transit, or get around any other way. Unfortunately, despite these investments, we have experienced several tragic incidents throughout the town and loss of life on our streets that is unacceptable. Since 2018, there has been a 250% increase in crashes resulting in fatalities or serious injuries.

This plan marks a new approach to our transportation challenges and adds a renewed sense of urgency around safety. Vision Zero is not just a policy; it's a fundamental shift in how we approach traffic safety. It's based on the premise that no loss of life is acceptable or inevitable. This plan reflects our belief that every individual—whether a pedestrian, cyclist, motorist, or public transit user—has an equal right to safe streets.

Our Vision Zero Action Plan is comprehensive and data-driven, focusing on engineering, enforcement, education, and engagement. We are investing in safer street designs, implementing rigorous speed controls, enhancing pedestrian and cyclist infrastructure, and promoting a culture of safety among all road users. We collaborate with diverse stakeholders, including local law enforcement, public health officials, community organizations, and residents, to ensure a holistic approach. This plan draws on our greatest asset: our residents. This is not a solo journey; it's a collective effort, and your involvement is key to our success.

The goal of Vision Zero is ambitious, but it's attainable. I am proud to introduce West Hartford's Vision Zero Action Plan. As the first community in Connecticut to adopt a Vision Zero Plan, West Hartford can be a model for safety and a beacon of hope for communities striving to protect their citizens. Your support and active participation in this initiative are vital.

I look forward to working hand in hand with you to make our streets safer for everyone. Together, we can achieve a future where traffic deaths and serious injuries are a thing of the past. Together, we can achieve our Vision Zero goal.

Sincerely,

Shari Cantor
Mayor, Town of West Hartford

WEST HARTFORD

This plan was prepared for the Town Manager in collaboration with the Vision Zero Task Force. Assistance provided by FHI Studio with support from Toole Design.

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FHI studio

TOOLE DESIGN

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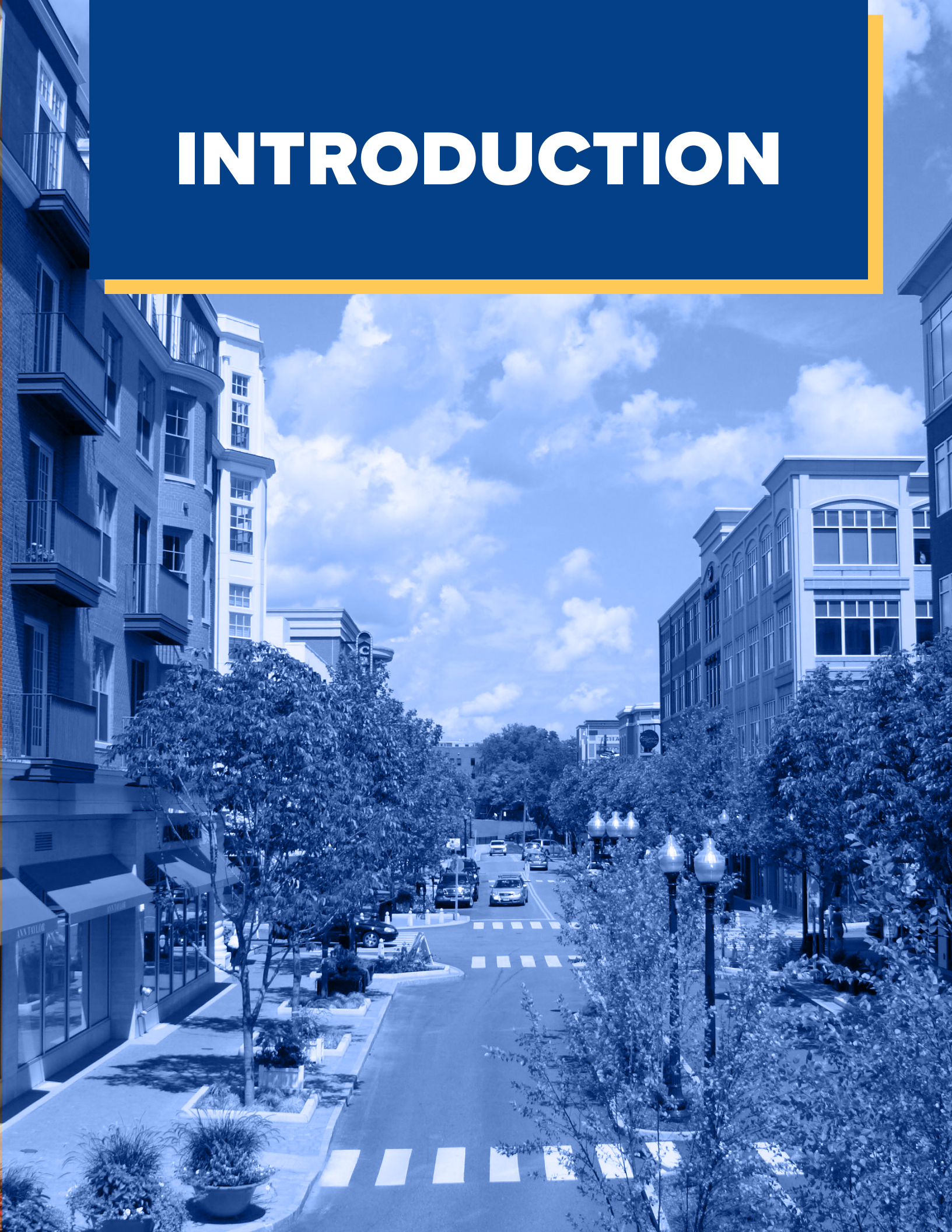
Photos courtesy of We-Ha.com with their permission.

KEY TERMS

Term	Definition
Crash severity	The degree of injury from a crash, including fatality, suspected serious injury, suspected minor injury, possible injury, and property damage only.
High Injury Network (HIN)*	A prioritization tool to focus on streets with crashes resulting in a high number of fatalities and serious injuries. See *Safety Assessment* for more information.
KSI crash	Crashes resulting in someone killed or seriously injured.
Quick-build	A temporary project that is fast and cheap to deploy and demonstrate the value of permanent changes.
Road Safety Audit (RSA)	A formal safety performance examination of an existing or future road intersection. See *Safe Design* for more information.
Transportation Equity Zone (TEZ)	An area identified either in a low- or moderate-income Census block group, CT Department of Energy and Environmental Protection environmental justice community, and/or US Department of Transportation equitable transportation community. See *Equity in Vision Zero* for more information.
Vision Zero Focus Area (VZFA)	A prioritization tool based on HIN, TEZ, and public comments to guide Vision Zero implementation. See *Achieving vision zero in West Hartford* for more information.
Vulnerable user	Users who are at higher risk of injury or fatality in the event of a crash, including pedestrians, cyclists, micromobility users, children, and elderly users.

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INTRODUCTION





WHAT IS VISION ZERO?

Vision Zero is a strategy to eliminate deaths and serious injuries from traffic crashes. First implemented in Sweden, cities and towns across the United States are utilizing the approach to save lives.

Key Principles

A strong Vision Zero approach includes:

Making data-driven decisions: Crashes can be prevented by proactively identifying risks and proposing data-driven solutions. Data transparency is necessary to understand problems and measure progress towards fixing them.

Building a culture of safety: Communities must embrace the principle that traffic deaths and serious injuries are unacceptable and preventable.

Designing for vulnerable users: Roadways need to be designed for people of all ages and abilities. They also need to be complete streets and include space for pedestrians, bicyclists, transit users, freight/trucks, and drivers, among others.

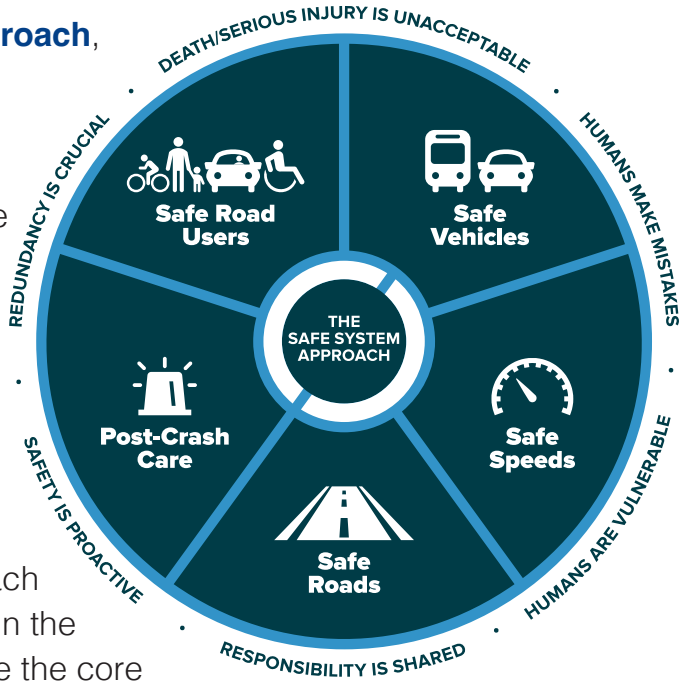
Centering equity: This includes paying close attention to the most vulnerable roadway users, rather than just drivers. It also takes into consideration how minority and underserved communities are disproportionately victims of serious crashes.

Engaging everyone: Robust public and stakeholder participation fosters a shared responsibility for safety and learn from diverse perspectives.

Focusing on Accountability: Clear, measurable short-term and mid-term goals, combined with timelines and ownership from responsible government agencies, create a framework that is easier to evaluate, fund, and build buy-in and accountability.

Safe System Approach

Vision Zero implements the **Safe System Approach**, which differs from the traditional traffic safety strategies. This approach focuses on building and reinforcing multiple layers of protection to prevent crashes from happening and minimize the harm when they do occur. This requires a focus on all the different pieces that affect crash potential including policy, street design, road users behavior, and vehicles design, among others. The Safe System Approach is widely adopted by the Federal Highway Administration (FHWA) and the Vision Zero Network. The Safe System Approach principles correspond to the elements shown in the graphic to the right. The inside of the circle are the core focus areas that will reduce serious injuries and fatalities.



Source: FHWA

Beyond the Traditional "E"s of Traffic Safety

The Es of traffic safety is a longstanding approach organized around engineering, education, and enforcement. The national Safe Routes to School Program has pioneered the use of 6 Es to drop enforcement and emphasize more proactive and just transportation systems. It is an excellent model for understanding how to achieve Vision Zero. Under this approach, communities focus on:

Engagement: Listen to community voices and build ongoing opportunities for engagement into the transportation system.

Equity: Ensure safety initiatives provide safe, healthy, and fair solutions for all.

Engineering: Improve the physical environment to address the needs of all roadway users.

Encouragement: Get people excited about safety by hosting special events, walking and biking tours, competitions, and the like.

Education: Teach about safe roadway behavior.

Evaluation: Check if your strategies are working. Evaluation activities can help set goals and establish baseline data for planning projects.

Equity Impact of Vision Zero

Traditional safety approaches frequently focus heavily on enforcement. Too often, this exacerbates racial and economic disparities in enforcement. A Safe System is more equitable because it (1) lessens the need for enforcement and (2) focuses on preventing serious crashes that disproportionately affect low income people and people of color.

A ROAD SAFETY CRISIS

Traffic crashes are a threat to safety across the United States. **In 2021, 42,939 people, including 7,388 pedestrians, were killed in traffic crashes.** On average, a pedestrian was killed every 71 minutes. Pedestrian deaths are at their highest level decades and **pedestrian deaths increased 12.5% between 2020 and 2021**.

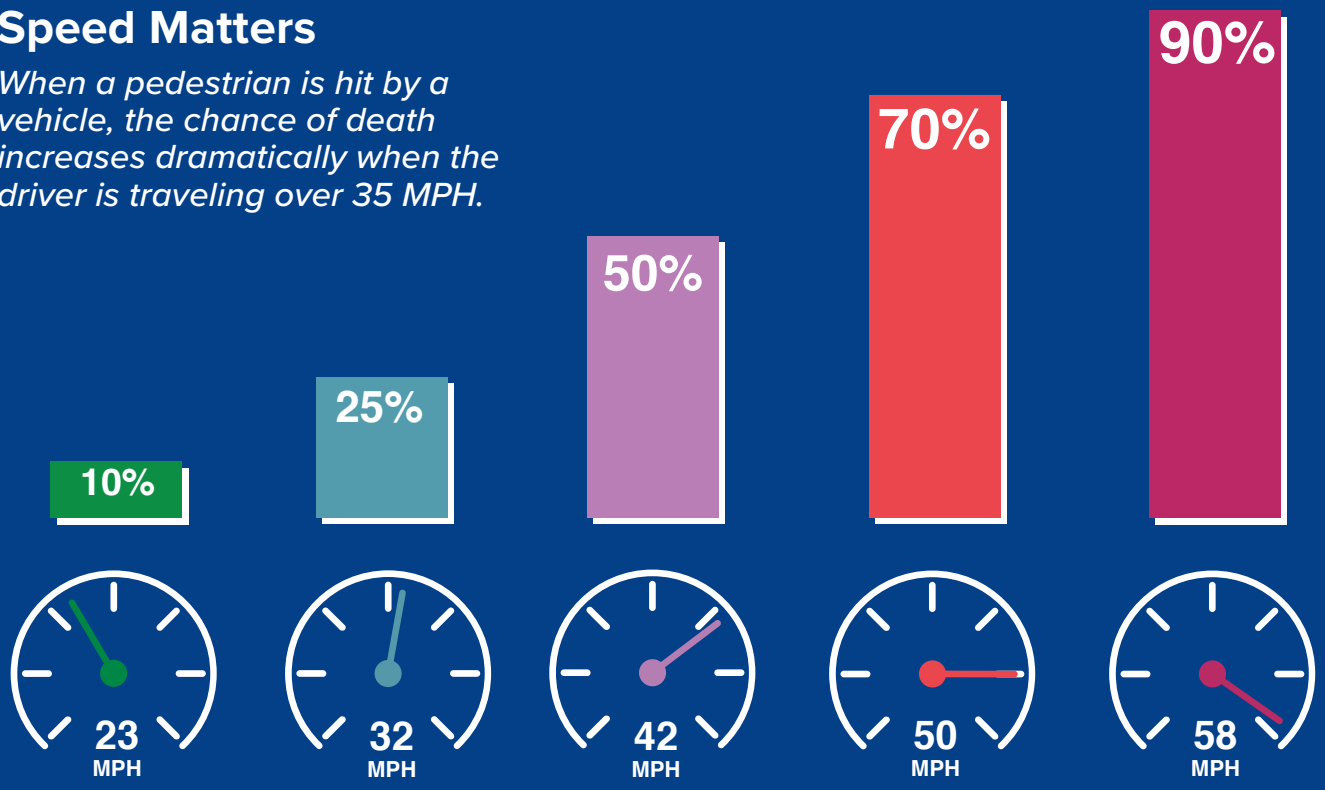
Source: National Center for Statistics and Analysis. (2023, June). Pedestrians: 2021 data (Traffic Safety Facts. Report No. DOT HS 813 458). National Highway Traffic Safety Administration.

Fatal crashes are not experienced across all members of the U.S. equally. **Traffic crashes disproportionately impact people who are Black and American Indian or Alaskan Native.** Between 2016 and –2018, the fatality rate for non-Hispanic Black Americans was 4.5 times higher while cycling; 2.2 times higher while walking; and 1.8 times higher while driving than for White Americans on a per mile traveled basis.

Disparities in Activity and Traffic Fatalities by Race/Ethnicity. Matthew A. Raifman, MPP and Ernani F. Choma, PhD. American Journal Of Preventative Medicen, June 7, 2022

Speed Matters

When a pedestrian is hit by a vehicle, the chance of death increases dramatically when the driver is traveling over 35 MPH.



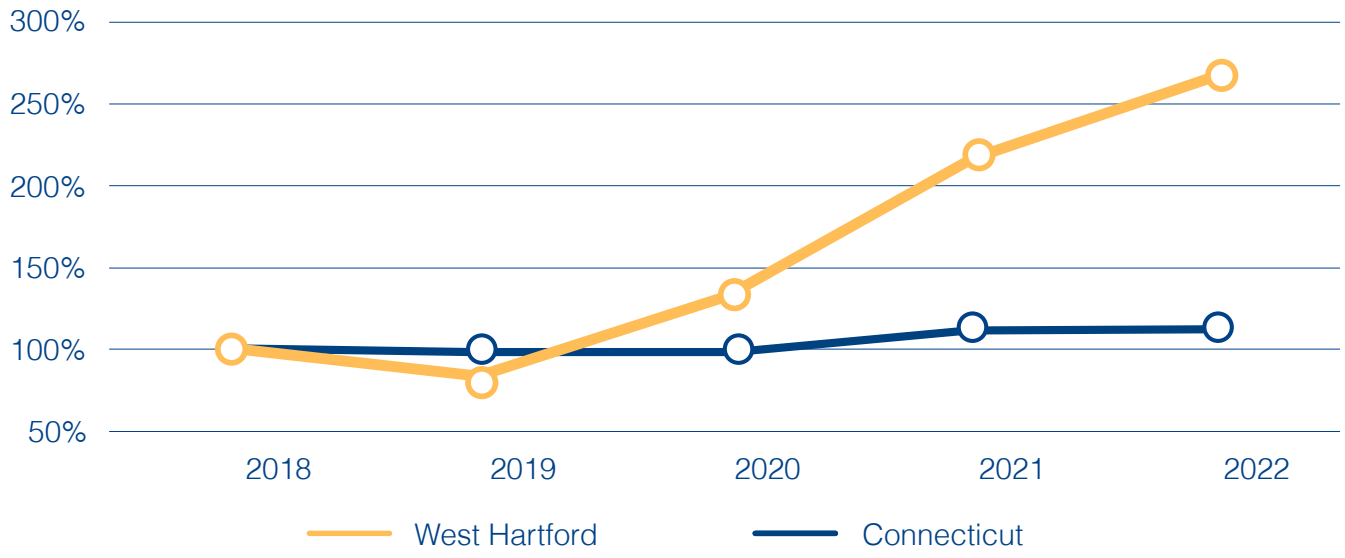
Fatality Analysis Reporting System; Early Estimates of Motor Vehicle Traffic Fatalities and Fatality Rate by Sub-Categories in 2020, DOT HS 813 118, June 2021; AAA Foundation for Traffic Safety, Impact Speed and a Pedestrian's Risk of Severe Injury or Death; National Traffic Speeds Survey III: 2015, DOT HS 812 485, March 2018.

WHY WEST HARTFORD NEEDS VISION ZERO

While fatal car crashes have decreased in the United States over the past 30 years, traffic fatalities started increasing in 2020. An estimated 368 people died in car crashes in Connecticut in 2022. This is the first time the state has recorded an average of more than one traffic fatality per day in more than a decade.

The situation in West Hartford is even more serious. **Over the past five years, 48 crashes resulted in death or serious injury in West Hartford.** This is consistent with an upward trend in fatal and serious injury crashes since 2018. As illustrated in Figure 1, **over the past four years, the number of fatal and serious injury crashes has more than doubled in West Hartford,** far outpacing the rest of the state. **More than half of the fatal and serious injury crashes in West Hartford occur on the same 17 miles of roadway**.

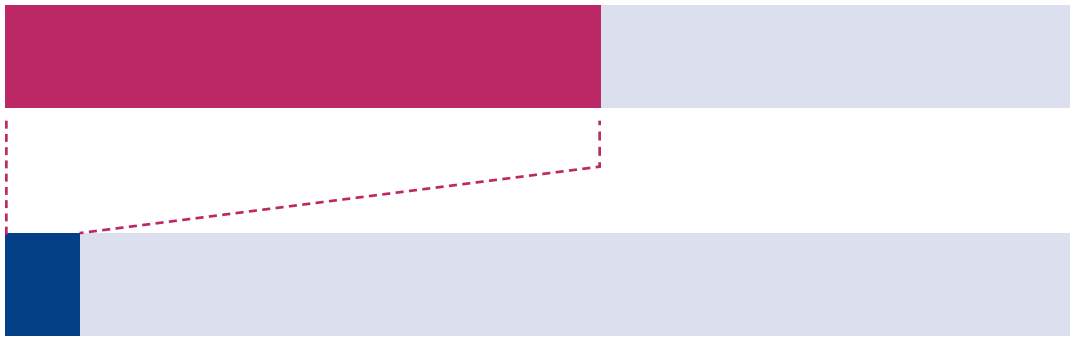
Figure 1. Percent Change in Number of Traffic Fatalities from 2018



In West Hartford...

56%
of fatal or serious injury crashes

occur on
9%
of roadways



VISION ZERO SUCCESS: JERSEY CITY

Jersey City made headlines in 2022 when it accomplished what Vision Zero advocates have been championing for years: zero traffic deaths on city streets. This was accomplished through a combination of hard work and following best practices in Vision Zero.

Jersey City became the first municipality in New Jersey to adopt the Vision Zero initiative with an executive order in 2018. They established a 15-member Vision Zero Task Force that consisted of representatives from various City divisions as well as the local transportation safety advocacy organizations. Together, they developed a comprehensive plan to ensure safety for all roadway users. The plan took a data-driven and equity-focused approach. It included recommendations on:

- Safer streets
- Culture
- City practices
- Enforcement, law, and policies
- Planning and data

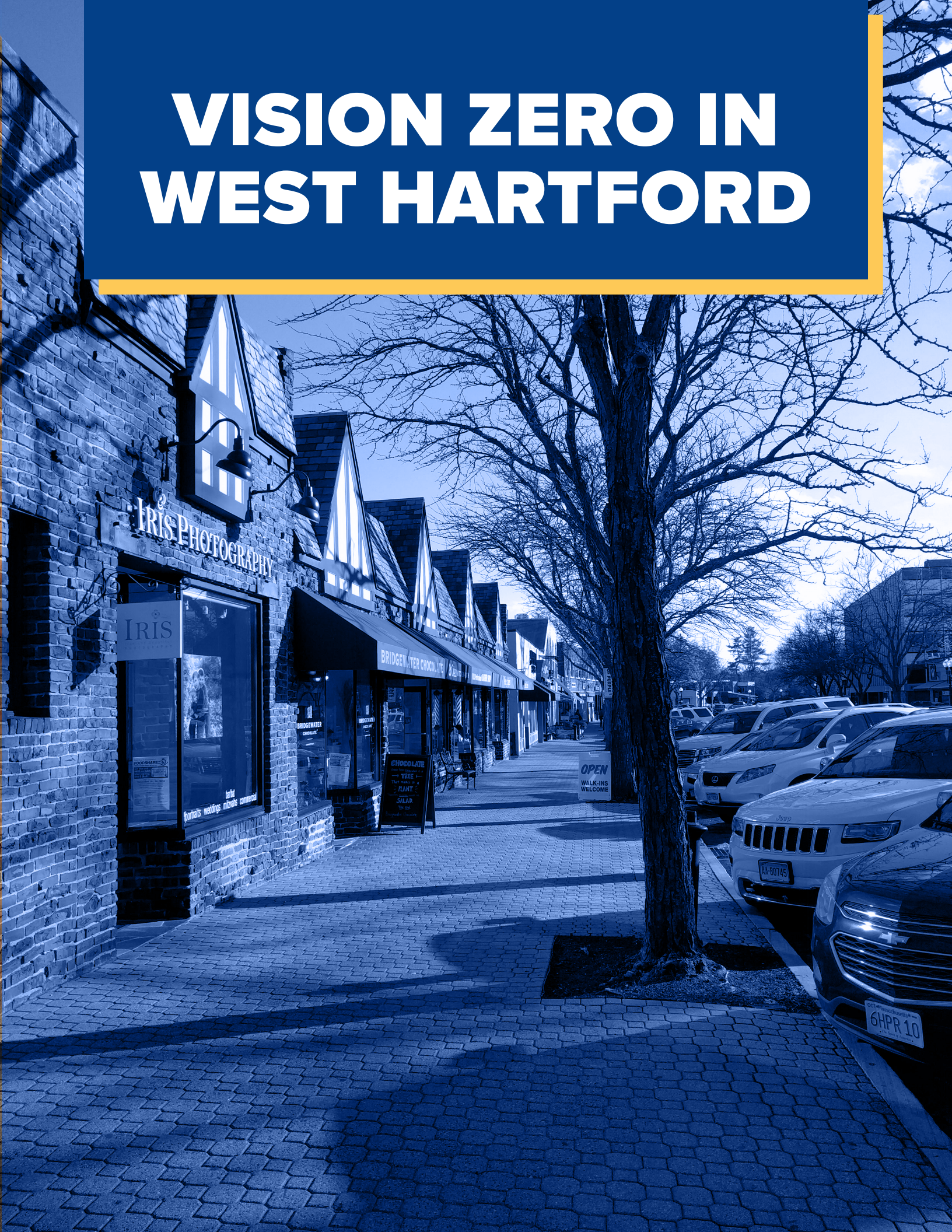
Jersey City residents and stakeholders provided feedback via surveys and workshops. The City also made a strong commitment to continuing to engage residents after the adoption of the plan.

The City's embracing of tactical urbanism (also known as quick-build projects) utilizes faster and cheaper solutions that can be deployed quickly to demonstrate the value of permanent changes. For example, the City installed small-diameter "mini-roundabouts" at two intersections, using traffic cones, planters, barrels, plastic delineators, and paint. The instant traffic circles — the city's first — forced drivers to slow down as they negotiated the crossings with pedestrians and other vehicles. The roundabouts were only up for a week. However, during their installation, the City found that traffic volumes increased even as speeds came down about 10%. The feedback from surveyed residents was overwhelmingly positive: 72% of respondents supported making the circles permanent.

The City also pilot tested ideas during lengthy transportation studies. This meant rather than waiting for studies to conclude—often a year or more—before pursuing changes, the City experimented with ideas to better inform the recommendations that would ultimately emerge when the studies finished.

The City has also continued to collaborate with its partners. The Vision Zero Task Force meets with the mayor's team every quarter to discuss progress. The City has continued to reach out to cities that have made changes they wanted to see to gain insights on how it could work in Jersey City.

VISION ZERO IN WEST HARTFORD



WEST HARTFORD'S PRINCIPLES

The Town of West Hartford is committed to eliminating roadway deaths and serious injuries by 2033. Our overarching goal is to create a transportation system and culture that supports safe, enjoyable mobility options for all, especially the most vulnerable members of our community who experience disproportionate injury and death on roadways. To this end, the Town has adopted the following five principles to guide the development and implementation of this Plan:

1. Deaths and serious injuries caused by traffic crashes are preventable;
2. Human life and health should be prioritized in all transportation systems and all aspects of transportation planning and design;
3. Human error is inevitable and transportation systems should be forgiving;
4. Transportation planning should focus on system-level changes to influence all individuals' behavior; and
5. Speed is a highly important factor in crash severity.

DEVELOPING THE PLAN

On January 10, 2023, the Town of West Hartford Town Council unanimously adopted the Vision Zero Initiative in Support of Safe, Healthy, and Equitable Mobility with the goal of eliminating fatalities and severe injuries on West Hartford streets by 2033. The Vision Zero Action Plan (the Plan) is West Hartford's roadmap to achieving zero fatalities or serious injuries. The Plan is data-driven, based on the best practices in the industry, and focused on implementation.

Task Force

The Plan was developed in close collaboration with the Vision Zero Task Force. West Hartford Mayor Shari Cantor appointed Task Force members in early 2023. The Task Force includes a mix of Town of West Hartford staff and residents. Staff included department leadership from engineering, communications, public safety, public works, equity, and the Town Manager. Residents include people with expertise in planning, media, disability rights, bicycle and pedestrian advocacy, and public health. As a result, the Plan was developed by people who will be both impacted by and responsible for implementing Vision Zero policies and actions.

The Vision Zero Task Force was charged with:

- **Providing direction** to the project team to guide the development of the Vision Zero Action Plan.
- **Acting as a liaison** to organizations and agencies, sharing information, and soliciting feedback to inform the Action Plan.



Task Force members show support for revisions to a section of the action plan.

- **Identifying actions** specific to members' organizations or agencies.
- **Conducting community engagement** beyond the scope of the project team as agreed upon by the Task Force and Town Leadership.
- **Developing the vision,** goals, policy recommendations, actions, performance measures, and recommendations to get to zero.
- **Continuing as ongoing champions** for implementation of the Action Plan actions within Task Force members' organizations or agencies, as applicable.

Plan Development Process

Plan and Policy Review

Many plans already address mobility challenges and goals in West Hartford, so the project team reviewed previous plans and policies and identified those related to Vision Zero. This work served as the foundation for the development of additional recommendations specific to Vision Zero.

- Complete Streets Policy
- Maintenance and Protection of Traffic Policy (MPT)
- 2020 POCD
- 2022 Complete Streets Annual Report
- 2016 Bicycle Facilities Plan
- 2022 Neighborhood Street Traffic Calming Program
- 2017 New Park Avenue Transit Area Study
- 2022 North Main Street Road Diet Phase 2
- West Hartford Center Infrastructure Master Plan
- 2023 Bicycle Friendly Community (BFC) Application

Action Plan

The project team worked closely with the Task Force to develop a framework of the Plan that would work for West Hartford. This included review plans from peer communities.

Goals, Strategies, and Actions

The Plan was developed iteratively. Initially, the Task Force split into subcommittees to address the four key themes in the framework: practices and policies, safe design, culture, and data. Each subcommittee had a Town liaison. The subcommittees each developed goals, strategies, and actions for their respective topic.

These early drafts went through several rounds of revisions that incorporated consultant input, feedback from departments and partners, and additional input from the Task Force.

This process empowered and centered the Task Force in the creation of tailored recommendations that meet the needs and opportunities in West Hartford. It also ensured the Task Force members understood the Plan and were ready to support its implementation.

Data Analysis and Best Practices Research

As the Task Force developed recommendations, the consultant team conducted data analysis on crash locations and types and researched best practices. The Task Force utilized this information to refine the strategies and actions. The data from this work is presented in subsequent chapters of this Plan.

WHAT'S IN THE PLAN

A chapter is dedicated to reviewing and summarizing each of the major efforts that led to the development of the Plan:

- **Safety Assessment**: Discusses the analysis of the location and types of crashes that lead to deaths and serious injuries. This section includes key statistics about death and serious injuries in West Hartford.
- **Public and Stakeholder Engagement**: Summarizes how the project team collected input from the public and stakeholders and how that information shaped the Action Items.
- **Equity Analysis**: Discusses how the Plan centered equity throughout the development process and addressed equity within the implementation of actions.

The core recommendations in the Plan are identified in *Action Plan*. This section includes the goals, strategies, and actions organized around the following four themes:

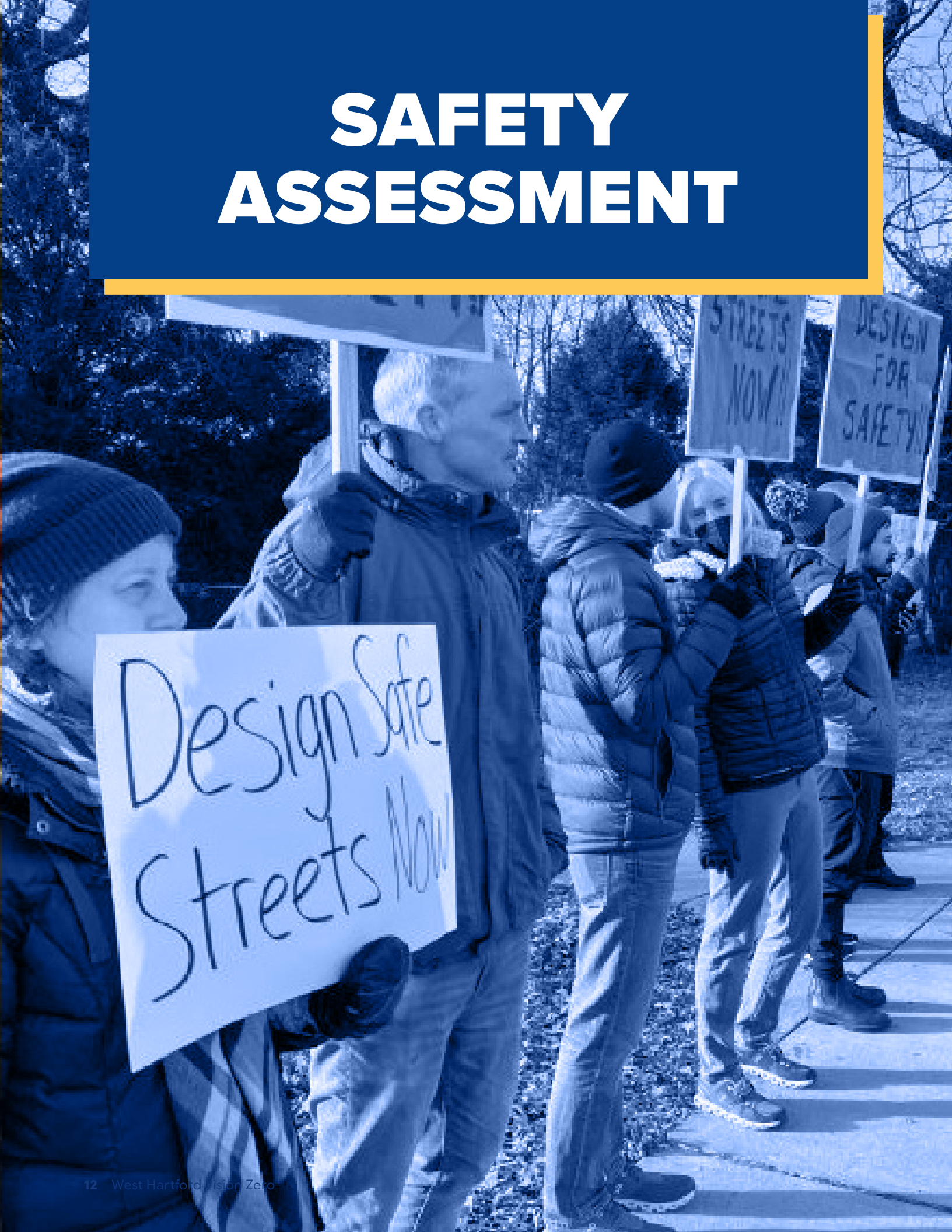
- **Practices and Policies**: The changes that need to be made to Town practices and policies to effectively implement Vision Zero.
- **Safe Design**: The specific steps that the Town and its partners will undertake to design and redesign streets for safety.
- **Culture**: The ways that West Hartford will partner with the community to develop a culture of safety in West Hartford.
- **Data**: How West Hartford will improve and diversify its data sources, collection strategies, analysis, and data reporting to make better decisions about roadway safety.

The crisis in roadway safety cannot be addressed town-wide all at once. This Plan uses **Vision Zero Focus Areas (VZFA)** to prioritize streets that:

- Are known to have high incidents of serious injuries and fatalities (see High Injury Network in the Safety Assessment).
- Were identified by the public as being particularly unsafe based on their lived experience (see Webmap Survey in Public Engagement).
- Are located in areas with a high concentration of vulnerable users (see Transportation Equity Zones in Equity).

The prioritized VZFAs are identified in *Action Plan*.

SAFETY ASSESSMENT



WHAT WE LOOKED AT

The Vision Zero Action Plan is informed by a review of five years of crash data sourced from Connecticut's Statewide Data Repository for crashes that occurred between 2018 and 2022.

Crash statistics generally report the number of incidents involving at least one pedestrian, bicyclist, or motorist.

Crash severity describes the most severe injury at least one person in the crash suffered. Categories includes: fatality, suspected serious injury, suspected minor injury, possible injury, and property damage only crashes.

Crashes that result in death or serious injury are also referred to as **KSI crashes**, or crashes resulting in someone killed or seriously injured.

A total of 5,956 crashes in this period were analyzed. This includes 48 crashes which resulted in at least one serious injury or fatality, and 1,779 crashes which resulted in less serious injuries. These crashes resulted in a total of nine deaths during this time. There was a total of 84 crashes involving pedestrians and 43 crashes involving bicyclists.

KEY FINDINGS

Severe Crashes Have Increased

Between 2018 and 2022, aggregate crash totals have decreased approximately 29% from 1,486 crashes in 2018 to 1,056 crashes in 2022. This trend outperforms trends reviewed at a statewide level which has decreased approximately 10% in this same period. **While the total number of crashes in West Hartford has decreased since 2018, the total number of crashes resulting in fatality or serious injury has increased over 150% during this same period**. The trend within West Hartford is substantially higher than statewide trends (which experienced a 14% increase during the same period) and underscores the importance of this Plan.

Figure 2. Crashes in West Hartford (2018 - 2022)

Year	KSI*	Minor Injury	Property Only	All
2018	6	435	1045	1,486
2019	5	421	957	1,383
2020	8	267	636	911
2021	13	310	797	1,120
2022	16	346	694	1,056
Total	48	1779	4129	5,956

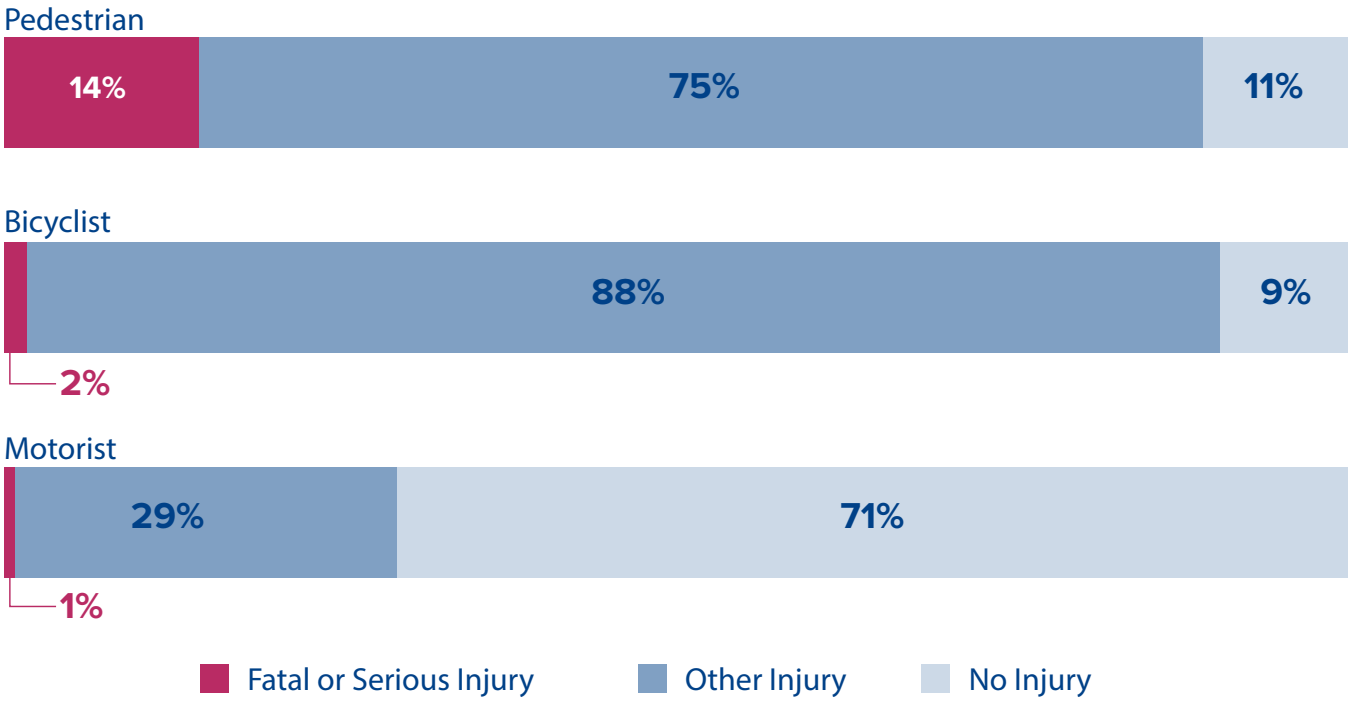
** KSI = Killed or Serious Injury*

There is Elevated Risk for Vulnerable Users

Vulnerable users are those users who are at higher risk of injury or fatality in the event of a crash. This includes pedestrians, cyclists, and micromobility users. Children and elderly users are also particularly vulnerable due to limited awareness of traffic risks, reduced mobility and reduced reaction time. As illustrated in Figure 3, **crashes involving pedestrians and bicyclists are substantially more likely to result in injury as well as serious injuries or fatalities.**

A total of 127 crashes involving vulnerable users occurred during the 5-year analysis period. While these crashes only represent approximately 2% of all crashes, crashes involving vulnerable users are overrepresented in crashes of higher severity. They account for 6% of crashes resulting in any type of injury, 27% of KSI crashes, and five of the seven crashes occurring in this period which resulted in fatality. Crashes involving vulnerable users occur at intersections accounted for 91% such crashes, with nearly 50% of these crashes occurring at two-way stop-controlled intersections and 40% occurring at signalized intersections.

Figure 3. Crash Severity by Mode



HIGH INJURY NETWORK

Vision Zero plans typically include a **High Injury Network (HIN)** to focus efforts on the streets with crashes resulting in a high number of death, serious injury, or other injury. The HIN helps identify and prioritize road segments for Road Safety Audits, facility recommendations, and additional analysis for the Plan. The HIN is based on national Vision Zero and Safety Action Plans best practices and West Hartford's unique context.

The HIN (Figure 4) developed for West Hartford includes a street network of 20.7 miles, representing 9% of West Hartford's roadway miles. The HIN includes 60% of all crashes, including 56% of all KSI crashes. The HIN also includes 69% of all pedestrian and bicyclist crashes, including 54% of all KSI bicyclist or pedestrian crashes.

The HIN was developed through an evaluation of all crashes resulting in injury and fatality. Crashes resulting in serious injury or fatality (also known as KSI crashes) were weighted 10x higher relative to other crashes resulting in lesser injuries to acknowledge the severity of these crashes. All streets within West Hartford were analyzed and included review of crash data with the following perspectives:

- Bicyclist Crashes: Predictive Bicyclist Crash Risk (based on facility type and location)
- Pedestrian Crashes: Predictive Pedestrian Crash Risk (based on facility type and location)
- Motorist Crashes: Motorist Crash Rate (crash totals relative to traffic volume)

While there are KSI crashes that occurred outside the HIN, these generally occurred in areas where there are fewer nearby crashes resulting in injury. The HIN seeks to identify and prioritize street segments which have an established trend of crashes resulting in a fatality, serious injury, or other injury.

It is anticipated that VZFA will be updated in 2027. This may result in segments being removed as improvements are made and new priority areas identified.

The full methodology is in *Appendix C*.

In West Hartford...

56%
of fatal or serious injury crashes

occur on
9%
of roadways

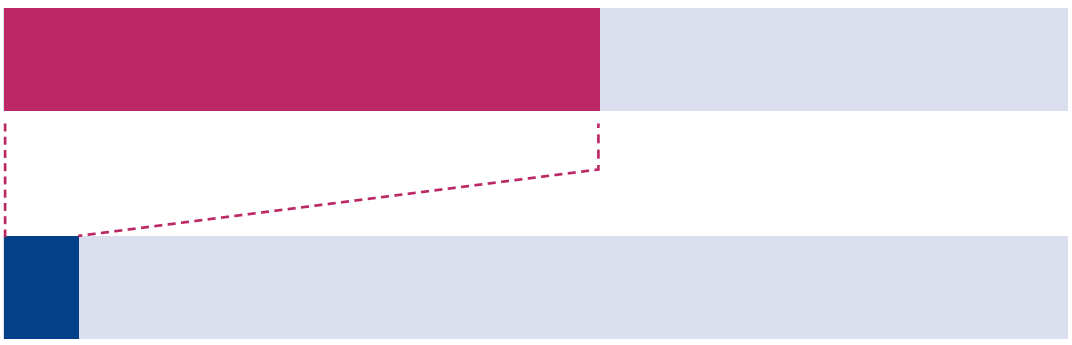
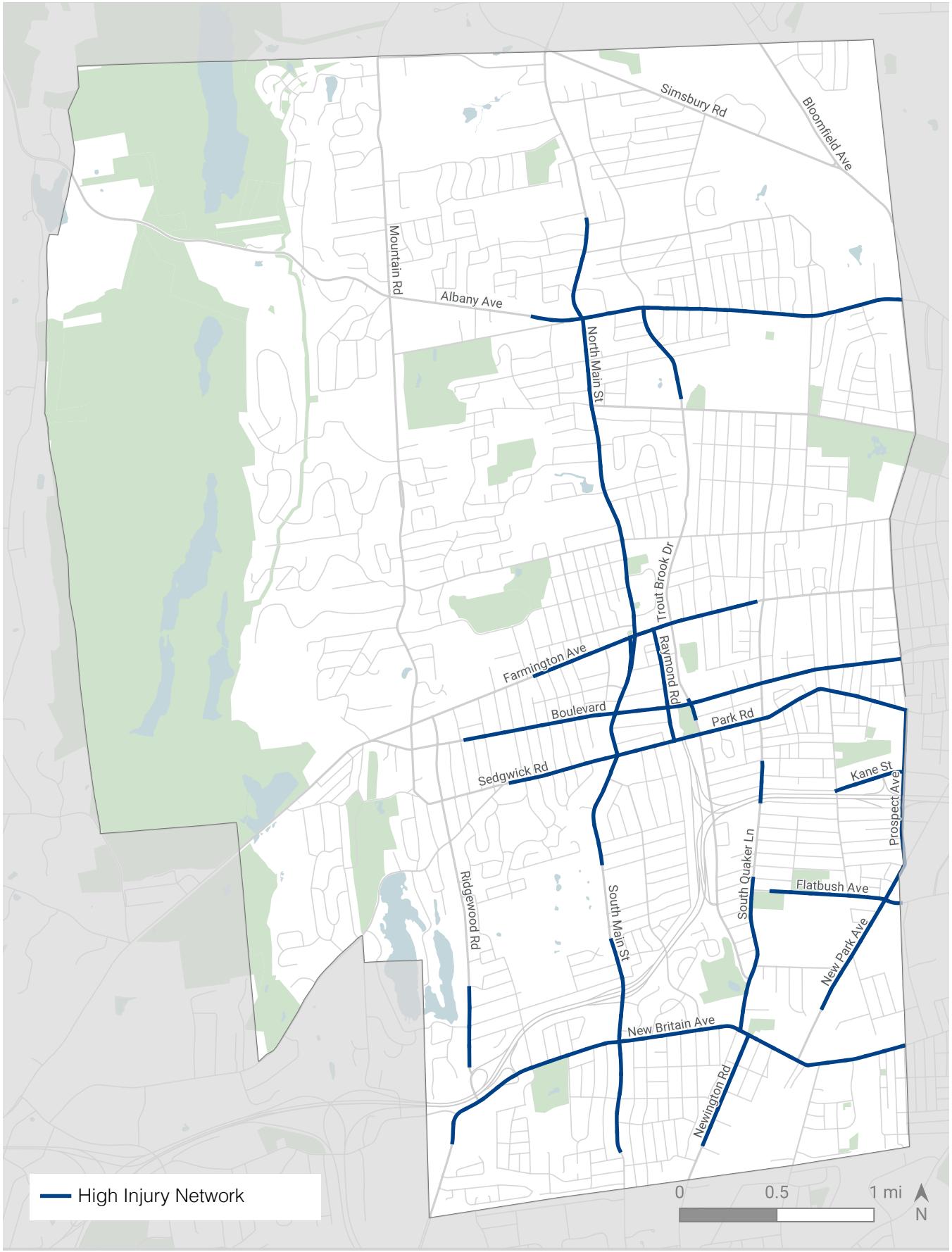


Figure 4. High Injury Network



ELEVATED CRASH RISK IN SPECIFIC NEIGHBORHOODS

Local or residential roads typically do not show up in the HIN due to their lower vehicle volumes and limited crashes at singular locations. However, a group of adjacent local roads may exhibit a recurring pattern of crashes influenced by similar factors. To identify potential locations for further study, an analysis grouped crashes on local roads together into small, sub-neighborhood areas. This analysis reviewed clusters of adjacent streets which could all have a higher incidence of crashes. This was calculated by comparing the total number of crashes occurring on local roads compared to the total length of local roadway miles in each area.

This analysis identifies areas which account for 37% of all crashes on local roads. These neighborhoods are home to approximately 13,012 residents.

Both the HIN and the local road crash analysis are included as components of the VZFAs in the Plan.

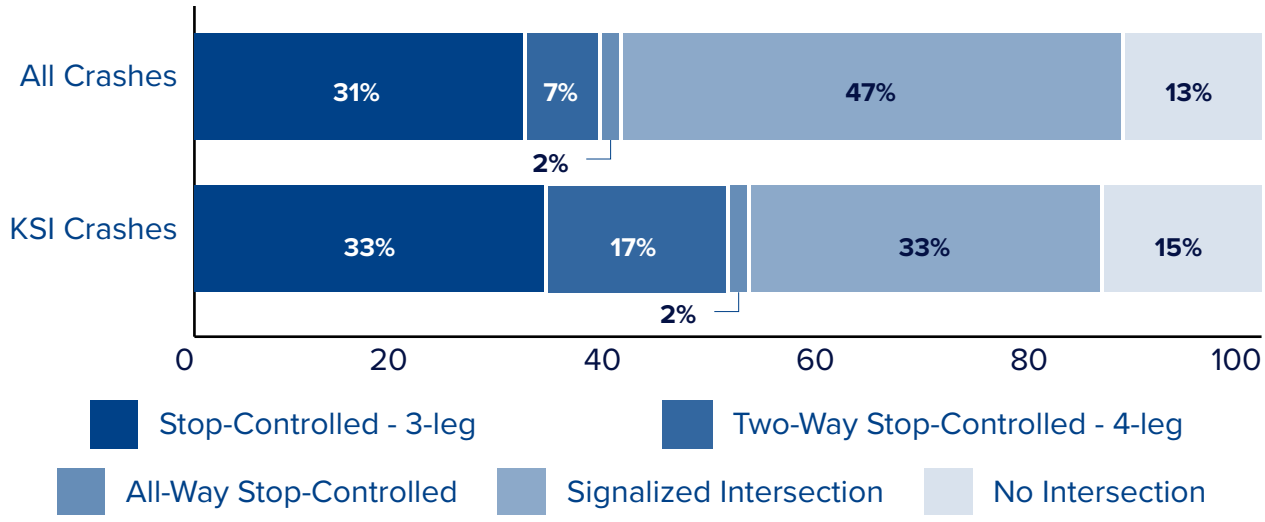
OTHER FACTORS CONTRIBUTING TO SEVERE CRASHES

Intersections and Major Driveways

Approximately 85% of all crashes occur at or proximate to intersections and major driveways. **All crashes resulting in fatality during the 5-year analysis period occurred at or near intersections or major driveways as well.**

As shown in Figure 5, 47% of all crashes occur at signalized intersections, while 40% of all crashes occur at stop-controlled intersections. While signalized intersections represent the largest proportion of all crashes, they represent a smaller proportion of KSI crashes. This indicates that crashes at signalized intersections are less likely to result in fatality or serious injury compared to other intersection types.

Figure 5. Crashes by Intersection Type



Among stop-controlled intersections, 3-leg stop-controlled intersections (a "T" intersection with only a stop-sign on the minor road) represent the highest proportion of all crashes as well as KSI crashes. This is an expected result as this is the most common intersection type in town. The analysis shows that 4-leg two-way stop-controlled intersections (a 4-leg intersection where the primary road does not stop) is overrepresented amongst KSI crashes. While this intersection type accounts for only 7% of all crashes it accounts for approximately 17% of KSI crashes. This finding shows that crashes at these location are more likely to result in severe injury or fatality compared to other intersection types.

Areas with intersections in this configuration, which are identified as part of the VZFAs, include Boulevard between South Main Street and Mountain Road, and Trout Brook Drive between Asylum Avenue and Albany Avenue among other areas. These intersections should be evaluated in particular to address safety concerns at these locations. Example countermeasures are provided later in *Implementation Support* but could include access restrictions such as half closures or through movement restrictions such as those already implemented by the town in some areas such as at the intersection of Boulevard and Whiting Lane.

Driving Under the Influence and Distracted Road Users

Crashes which involve driving under the influence or a party of the crash being distracted was found to account for 11% of all crashes and 21% of KSI crashes. This rate is even higher for crashes involving pedestrians or bicyclists. For these severe crashes (13 in total) driving under the influence was found to account for 31% of these crashes (4 crashes out of 13). Half of these crashes (2) were attributed to a driver under the influence or distracted, while half was attributed to a pedestrian under the influence or distracted.

Angle Crashes at Two-Way Stop-Controlled Intersections

As shown in Figure 6, Angle crashes between vehicles at two-way stop-controlled intersections are the most prevalent crash type (42% of all crashes) at these types of intersections. Angle crashes can be indicative of difficult turning movements due to traffic conditions or sightlines (e.g. parked vehicles or vegetation).

Head-On and Single Vehicle Collisions

As shown in Figure 7, head-on crashes and single vehicle crashes are overrepresented in KSI crashes as well. While head-on collisions only account for 2% of all crashes, they represent 13% of all KSI crashes. Similarly, single vehicle collisions account for 11% of all crashes and 17% of all KSI crashes. Countermeasures to address these types of crashes should be prioritized within VZFAs.

Crashes at Night

As shown in Figure 8, crashes occurring during dark conditions, with no lighting, were overrepresented in KSI crashes with 13% of KSI crashes occurring under these conditions relative to only 2% of all crashes. This could indicate a need for lighting to be reviewed in some areas.

Crashes involving pedestrians or bicyclists reveal a different pattern. These crashes are also more likely to occur during dark conditions but are more likely to occur in lighted areas. This could correlate to lighting being provided in areas of pedestrian activity but could also reveal a need for more or other types of lighting and/or tailored roadway design strategies in areas with streetlights with higher rates of nighttime pedestrian or bicyclist crashes.

Figure 6. Crash Type at Two-Way Stop-Controlled Intersections

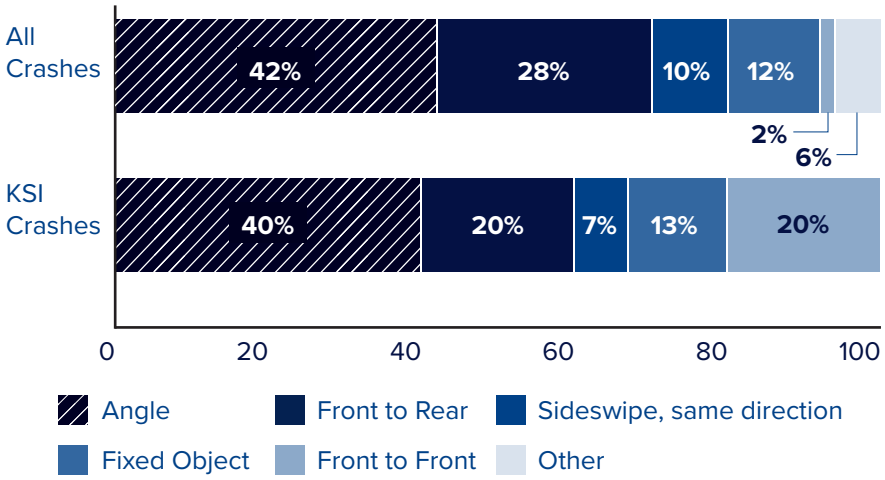


Figure 7. Crash Type for All Crashes

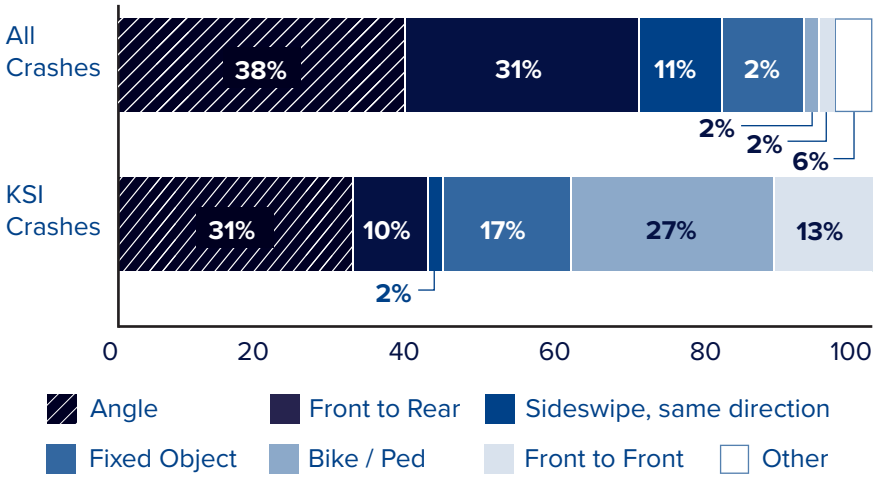
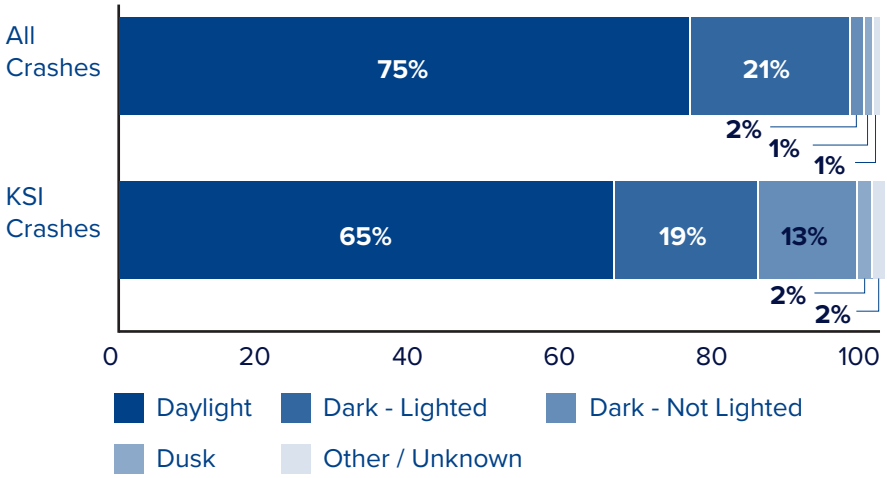


Figure 8. Crashes by Lighting Condition



PUBLIC ENGAGEMENT



WHY IT MATTERS

Public engagement raises awareness of Vision Zero and the Town's new approach to traffic safety, building the foundation of a positive safety culture. It is needed to gather public input regarding traffic safety issues and action steps specific to West Hartford. Public engagement will also carry Vision Zero forward through building consensus around recommendations within the Town and momentum to implement through shared responsibility.

Public engagement was essential to the Plan development and will be critical to its implementation. It will also be important to continue to engage people as Vision Zero progresses.

PLAN ENGAGEMENT

Members of the West Hartford community had several ways of participating in the Plan:

- A multilingual public survey.
- A webmap where participants could identify locations where they felt safe, unsafe, or have an idea related to roadway safety.
- Two public meetings, including a final meeting to present the recommendations and solicit feedback.

All Task Force meetings were noticed and open to the public. Finally, Task Force members provided supplemental engagement through their own efforts to connect with their organizations, networks, and communities.

GETTING THE WORD OUT

The project team developed digital flyers and social media posts introducing the Vision Zero Action Plan and opportunities for community input. This included notices to participate in the public survey and webmap.

The Town distributed project marketing material via their listserv, and Facebook and Instagram accounts. They also managed the project webpage, which included a Fact Sheet detailing what Vision Zero is and why West Hartford is committed to reducing deaths and serious injuries on local roadways by 2033.

Signage about the project was posted at key locations, including near survey pick-up and drop-off spots.

Local media attended many Task Force and public meetings and published several articles and video news reports about the project.

PUBLIC SURVEY

In October 2023, the Town of West Hartford launched a public survey to assess mode usage and perceptions of roadway safety. The survey was available online through the project webpage. Hard copies were available at Town Hall and the three public libraries. The survey received a total of completed 788 responses, including 783 digital and five hard copies. The survey was available in English, Spanish, Chinese, and Portuguese.

More than half of respondents identified as a middle-aged adult (ages 35-64). More than a quarter of respondents identified as seniors (aged 65 and over). Young adults and teens (aged 34 and below) composed 12% of the responses.

As a town with a large driving and walking culture, West Hartford's Vision Zero initiatives are important to ensuring the safety of all users. Of the survey respondents, more than 75% drive or take rides in private vehicles, about 66% walk, and about 50% bike regularly. Fewer than 25% ride public transit or use ADA paratransit.

Key Takeaways

The following roadway behaviors make people feel the most unsafe in West Hartford, with the percentage of respondents who answered in parenthesis:

- Drivers speeding (77%)
- Distracted driving (74%)
- Non-compliance with rules of the road (55%)

Issues by Mode

What makes people feel unsafe depends upon how they travel. The following are the top three reasons respondents identified feeling unsafe, based on travel mode.

Pedestrians

- Drivers do not yield at intersections/ crosswalks (66%)
- Do not feel visible to drivers at intersections/crosswalks (36%)
- Lack of sidewalks or walking paths (25%)

Bicyclists/Scooters/Skaters

- Lack of bike lanes and biking paths (57%)
- Bike lanes or biking paths don't have enough of a buffer from traveling vehicles (56%)
- Drivers do not yield at intersections/ crosswalks (40%)

Drivers

- Drivers do not yield at intersections/ crosswalks (46%)
- Difficult to see pedestrians, bicyclists, or oncoming drivers at intersections/ crosswalks (33%)
- Bicyclists riding in the roadway/ shoulder (30%)

A common issue among all moder users is drivers not consistently yielding at intersections and/or crosswalks. Similarly, lack of appropriate infrastructure is a common issue for pedestrians and bicyclists/scooters/skaters.

WEBMAP

A public webmap survey accompanied the written survey summarized on the previous page. The webmap asked respondents to identify areas where they feel safe, unsafe, or have an idea related to roadway safety. The webmap was available online through the project webpage with hard copies at Town Hall and the three public libraries as part of the community survey packet.

In total, the Town received 1,784 comments, and the project team identified 15 themes across all of the comments. Figure 9 illustrates the top five themes, exclusive of comments that identified specific safety issues.

Figure 10 (following page) is a heatmap that illustrates concentrations of safety concerns. This includes comments where users labeled an area unsafe or marked a location with an idea. To create the heatmap, the project team first assigned comments to any street segment within 50 feet of the comment location. Then, the team divided the street network into 1/10th-mile segments and assigned each segment with a score based on the number of comments and comment likes within ½-mile on the same street, in each direction.

This approach highlights areas where users added many comments and agreed with existing comments (there was no option for a user to dislike a comment). In the map, the darker and thicker red lines represent segments that received more comments and likes. The HIN is overlaid to reveal how historic crash data compares with the webmap survey results, or people's perception of safety along the town's roadway network.

Figure 9. Top Comment Themes

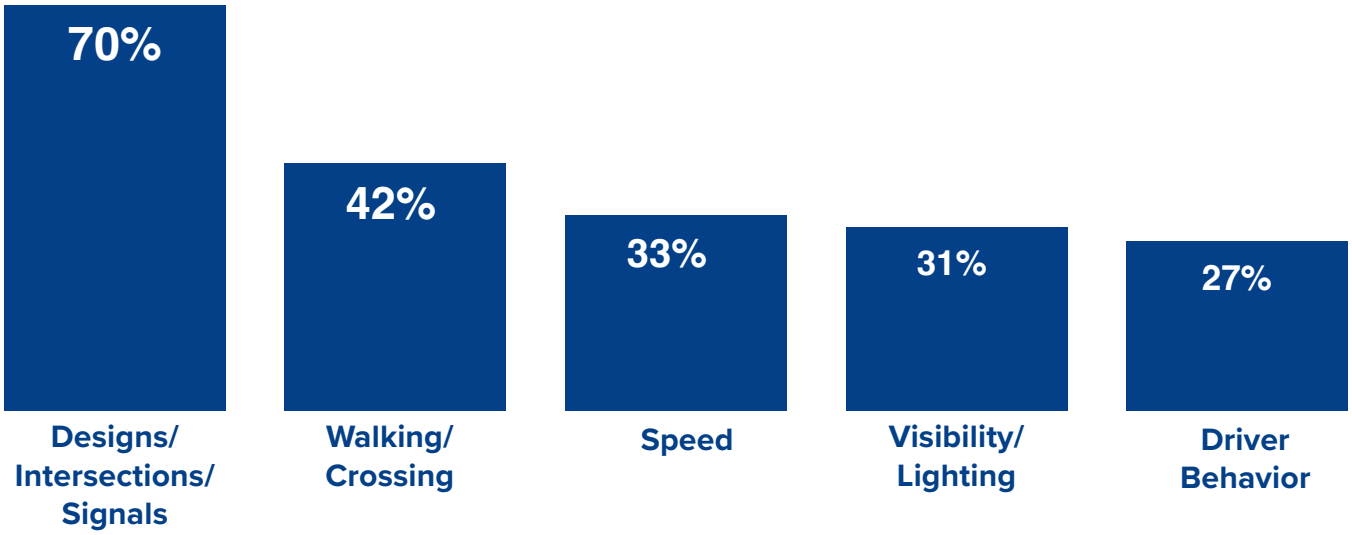
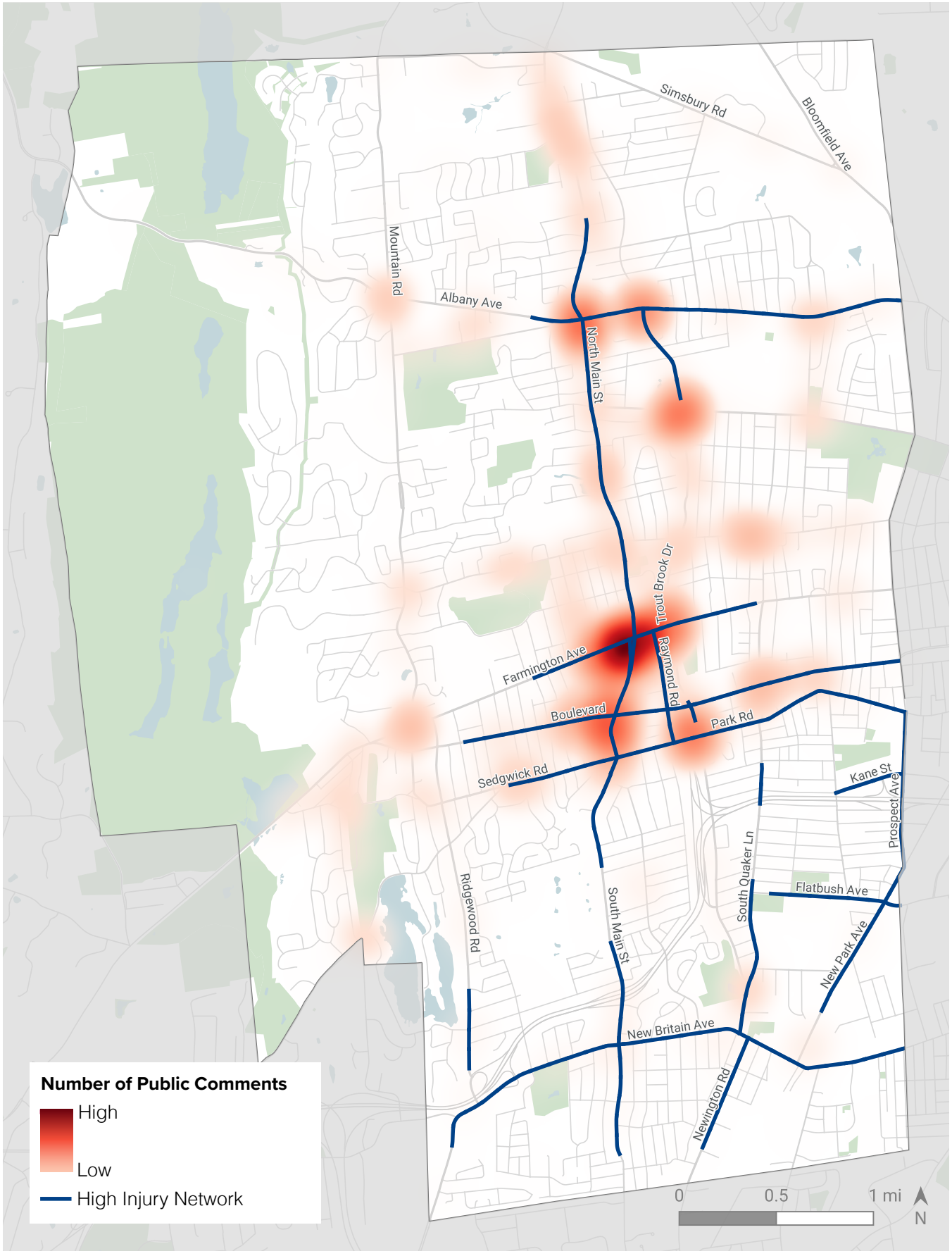


Figure 10. Heatmap of Public Comments



INTEGRATING COMMUNITY INPUT

Plan Recommendations

Public input shaped the recommendations in this Plan. Figure 11 summarizes the key themes expressed in public comments and throughout the engagement process. The Plan includes several action items that respond to concerns raised by participants, such as speeding and intersection viability. Many of these issues will be addressed as part of the Road Safety Audits, which are identified in the *Action Plan* and in the *Implementation Support* chapters.

The 20 miles of roadway segments that the public identified as being most unsafe are identified in Figure 12. The neighborhoods that represent the top 9% of local roads that the public identified as being most unsafe are shown in Figure 13. These roadway segments and neighborhoods were incorporated into the VZFA as discussed in more detail in the *Action Plan.*

Plan Implementation

The *Action Plan* includes clear direction on how the public should be engaged during implementation and subsequent updates to this Plan. In addition, the public input on the webmap will be used as a foundation for identifying safety solutions for the VZFA. Finally, the Town will continue to engage residents in the design process as it has with past roadway improvement projects.

Figure 11. Community Input Key Themes



Figure 12. Unsafe Streets from Public Input

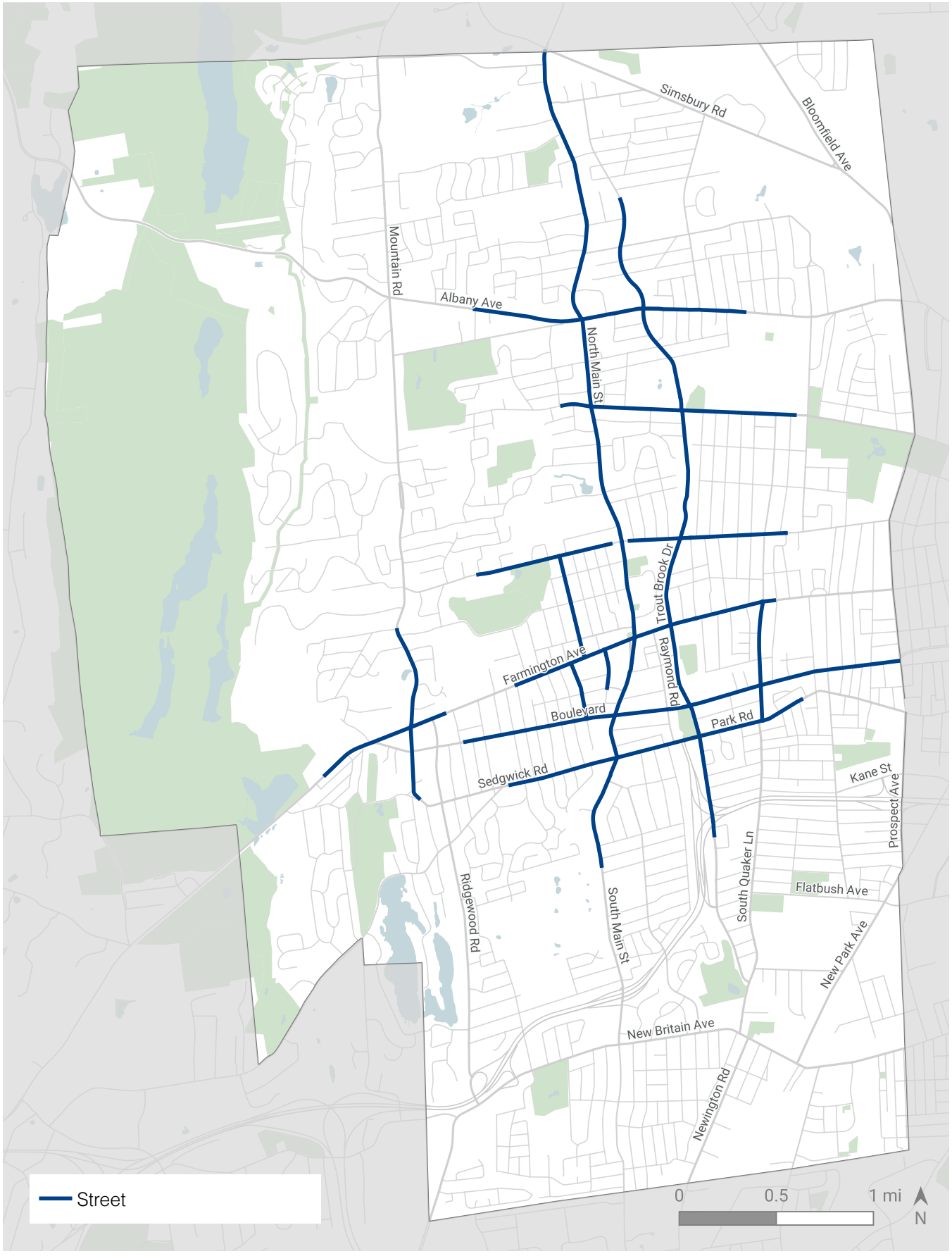
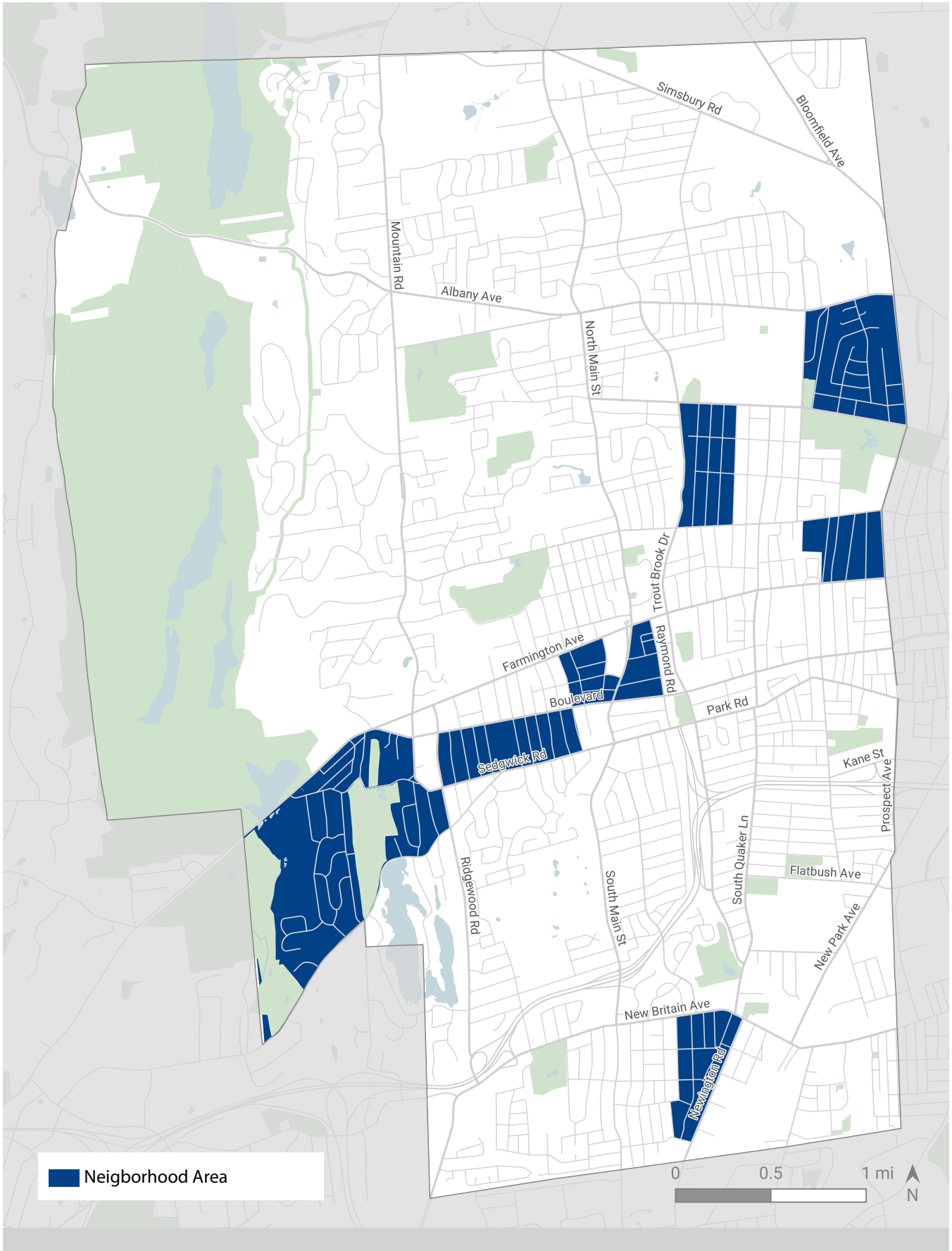
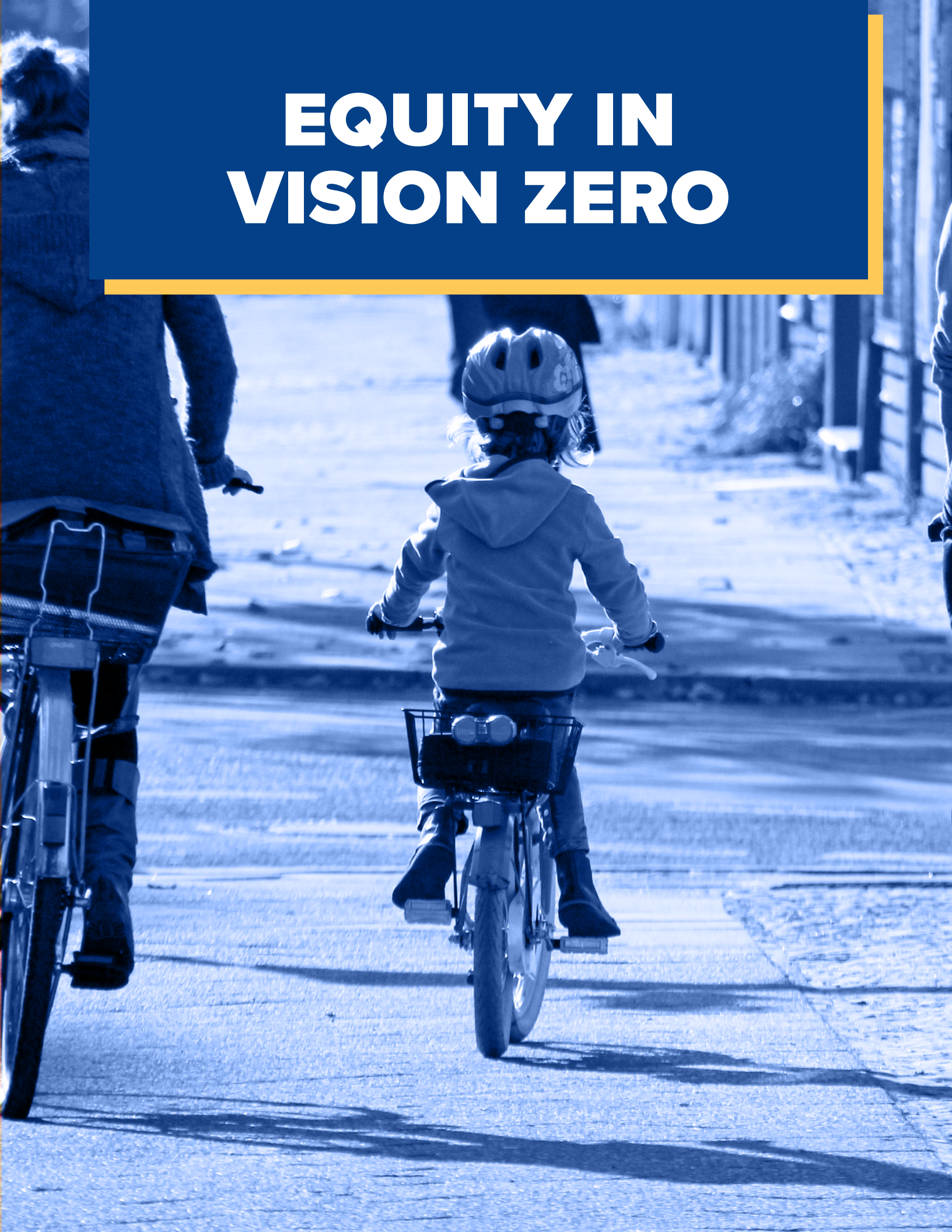


Figure 13. Unsafe Neighborhood Areas from Public Input



EQUITY IN VISION ZERO



EQUITY IN ACTION

Equity means the fair treatment and meaningful involvement of all people regardless of race, color, national origin, disability, or income during the development and implementation of Vision Zero. Unfortunately, previous planning efforts designed and built the roadway system without inclusive engagement throughout the United States. The roadway system often minimizes the needs of marginalized populations who more frequently walk or bike and who have longer commutes.[1] The result is that these communities are at a greater risk of serious injury and death.

This Plan centers equity in several ways. First, the project team recognized that systematically marginalized communities may be less likely to report traffic crashes. Moreover, members of marginalized communities are less likely to participate in community engagement efforts for lack of time, resources, and belief that their input will be valued. As a result, issues that are more likely to affect these individuals and their communities are not frequently identified through data analysis or public engagement. In response, the project team utilized Transportation Equity Zones as a key input to prioritize the VZFA (discussed in more detail in the following section).

Second, the Task Force was charged with a focus on inclusion. Task Force participants represented many backgrounds including, various races, ethnicities, and incomes levels, as well as intersecting demographics which included youth, senior, and disabled community members.

Third, the project team and Task Force considered how the implementation of each action could be accessible and equitable. Those considerations are documented in the full Action Plan found in *Appendix A*.

Finally, the Action Plan includes goals, strategies, and actions that are specifically designed to support an inclusive implementation. This includes a focus on developing materials in multiple languages, disseminating information through a variety of mediums, and collaborating with community groups to support a grass-roots awareness campaign.

KEY STATISTIC

Between 2016-2018, the fatality rate for non-Hispanic Black Americans was 4.5 times higher while cycling; 2.2 times higher while walking; and 1.8 times higher while driving than for white Americans on a per mile traveled basis.

Source: Disparities in Activity and Traffic Fatalities by Race/Ethnicity. Matthew A. Raifman, MPP and Ernani F. Choma, PhD. American Journal of Preventative Medicine, June 7, 2022

1 *Problem Has Existed over Endless Years: Racialized Difference in Commuting, 1980–2019*. Devin Michelle Bunten, Ellen Fu, Lyndsey Rolheiser, Christopher Severen. Federal Reserve Bank of Philadelphia, April 2022.

TRANSPORTATION EQUITY ZONES

Transportation Equity Zones are designed to ensure equitable application of Vision Zero recommendations and prioritization in these areas. An area is defined as a Transportation Equity Zone if identified in one of the following:

- US Department of Housing and Urban Development Low- or Moderate-Income Census Block Group.
- Connecticut Department of Energy and Environmental Protection Environmental Justice Community.
- US Department of Transportation Equitable Transportation Community Explorer.

Figure 14 shows each of these original data sources mapped. Figure 15 shows the High Injury Network overlaying the identified Transportation Equity Zones.

KEY STATISTIC

In West Hartford, Transportation Equity Zones have...

24% of roadways



27% of population

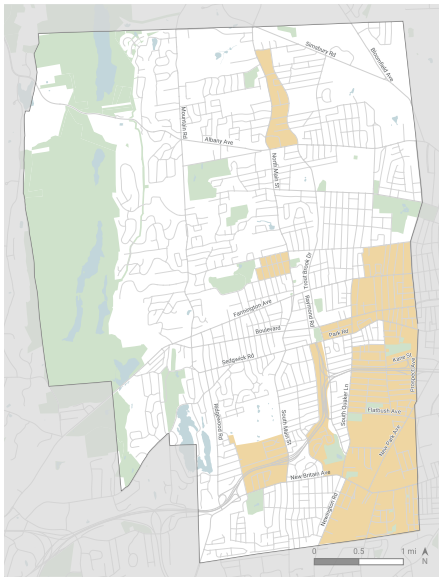


But account for...

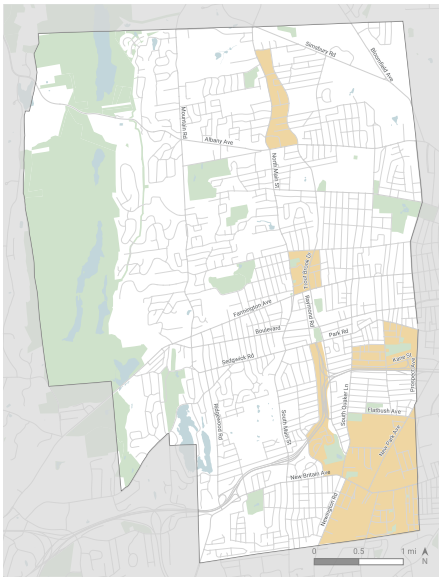
38% of deaths and serious injuries

52% of all crashes

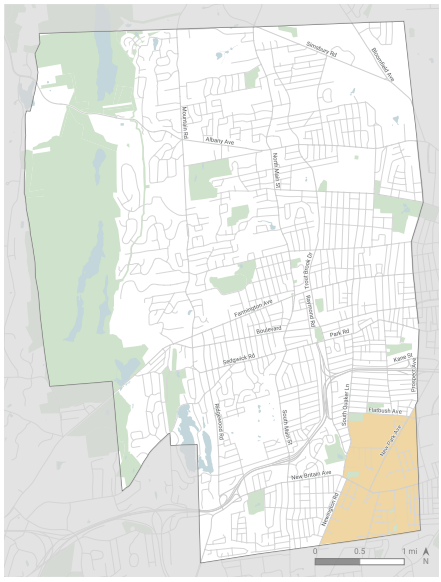
Figure 14. Data Sources Used to Identify Transportation Equity Zones



Low/Moderate Income Block Groups

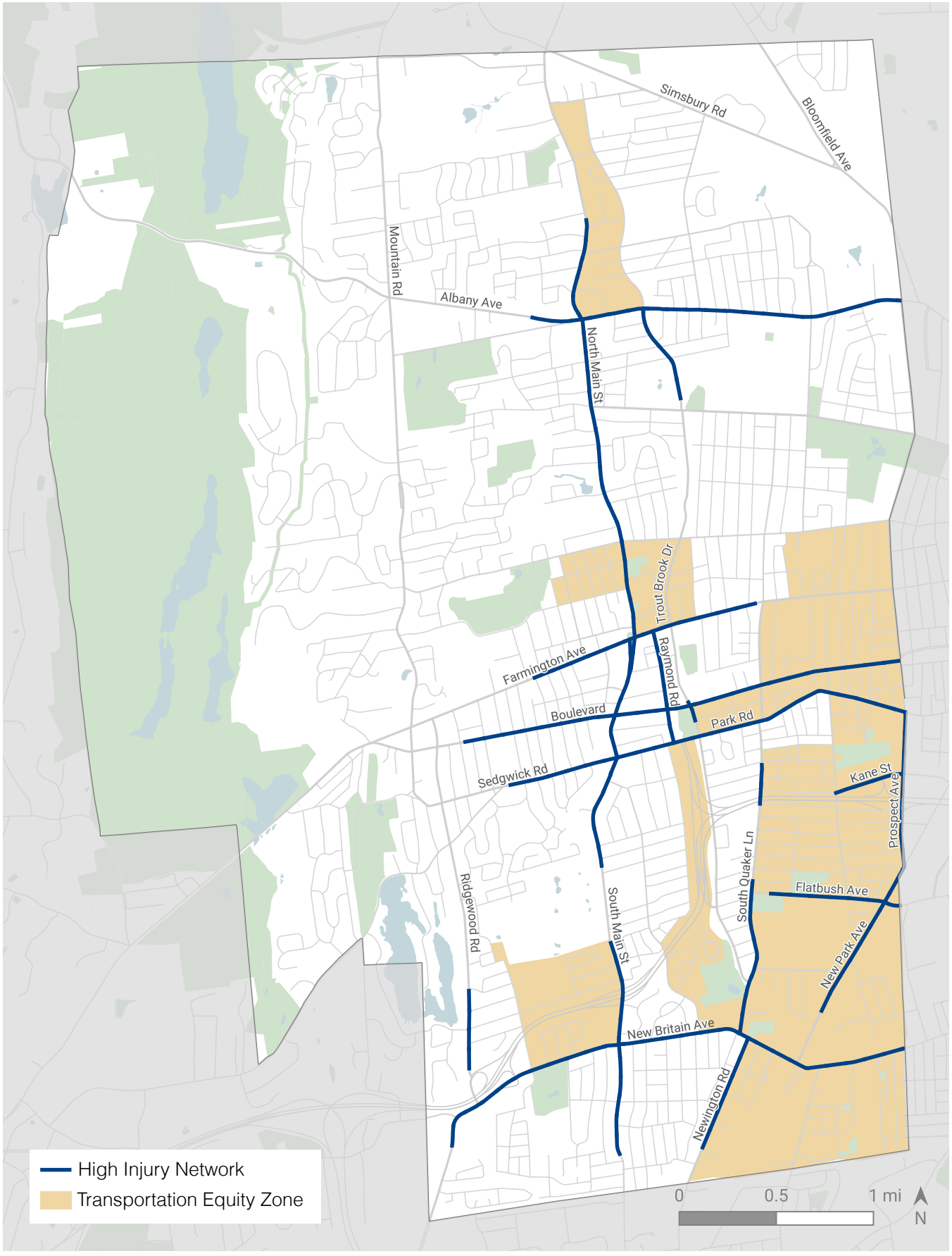


CT DEEP Environmental Justice Communities

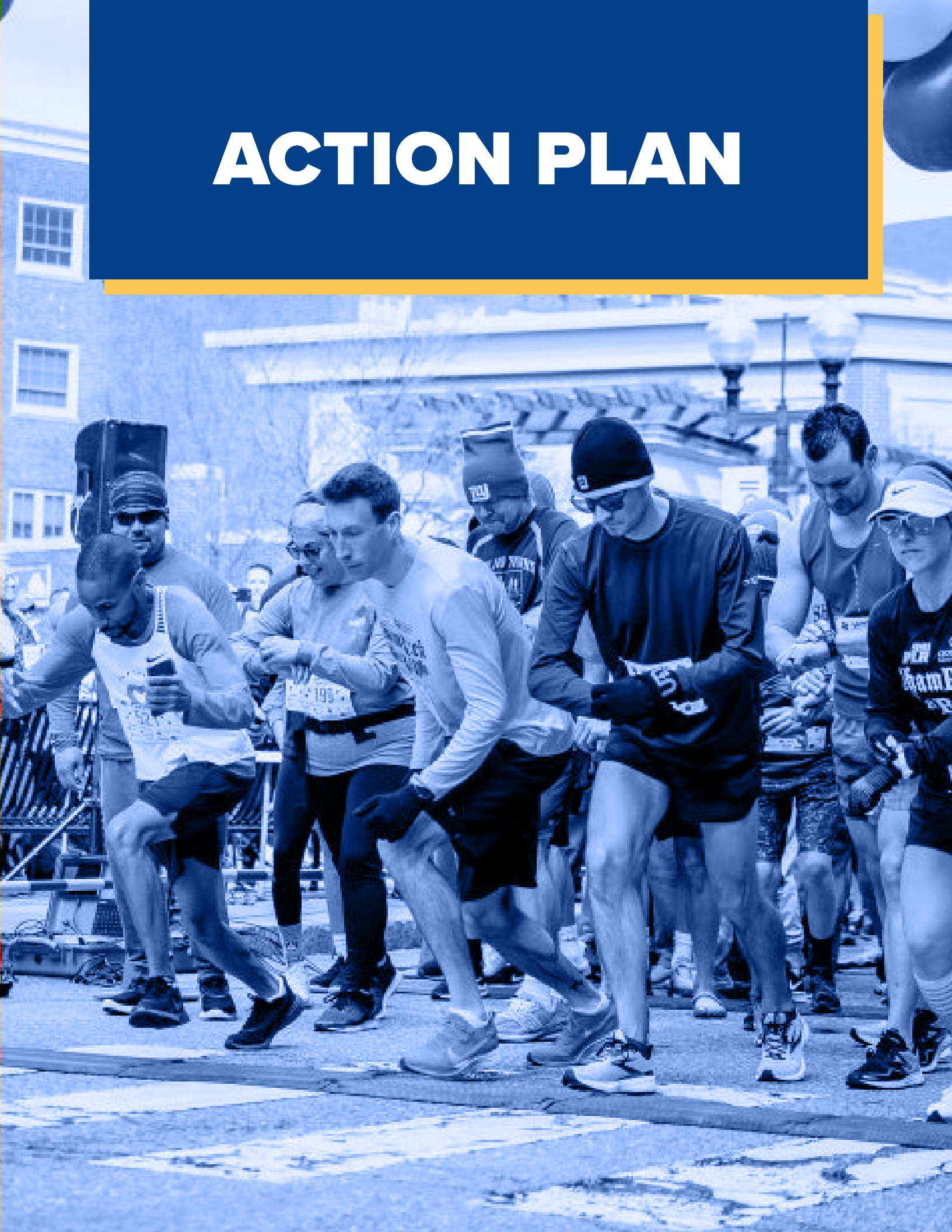


US DOT Equitable Transportation Community

Figure 15. High Injury Network and Transportation Equity Zones



ACTION PLAN



ACHIEVING VISION ZERO IN WEST HARTFORD

Background

This Action Plan incorporates the data-driven and equity-focused approach, with extensive stakeholder and community input, that has been proven to eliminate deaths and serious injuries on roadways. The Plan is consistent with, and incorporates best-practices from, the Vision Zero Network's Guidelines for an Effective Vision Zero Action Plan (December 2017). This Action Plan:

- Is built on a robust data framework and includes strategies for improving data gathering.
- Includes measurable goals with a clear timeline for implementation.
- Identifies lead and supporting agencies.
- Notes where additional funding, staffing, or legislative support is needed to implement the actions.
- Provides clear framework for measuring success and continuing to have an transparent process.
- Identifies how implementation can be accessible and equitable.

The strategies and actions are also consistent with best practices in Vision Zero, including:

- Aligning Town policies and practices with Vision Zero and building the institutional frameworks necessary to implement the Plan.
- Prioritizing safe roadway design for all users.
- Focusing on speed management.
- Utilizing culturally sensitive and diverse engagement and education techniques.
- Using and improving data collection to better understand the causes and location of deaths and serious injuries.

The Plan is intended to address all public streets, except for I-84.

Organization

The Action Plan recommendations are a comprehensive, integrated approach to get the Town to zero deaths and life-changing injuries on its streets. They are organized around the four goal areas established by the Task Force in collaboration with Town staff:

- **Practices and Policies**: The changes that need to be made to Town practices and policies to effectively implement Vision Zero.
- **Safe Design**: The specific steps that the Town and its partners will undertake to (re)design streets for safety.
- **Culture**: The ways that West Hartford will partner with the community to develop a culture of safety in West Hartford.
- **Data**: How West Hartford will improve and diversify its data sources, collection strategies, analysis, and data reporting to make better decisions about roadway safety.

Prioritization

Vision Zero Focus Areas

This Plan uses VZFAs to prioritize the location of improvements to the street network. There are two VZFA maps:

- VZFA Streets shall be used to prioritize interventions on major roads. (Figure 18)
- VZFA Neighborhoods shall be used to prioritize interventions on residential streets in neighborhoods. (Figure 19)

VZFAs include streets and neighborhoods:

- on the High Injury Network (HIN).
- with a high concentration of input on the Webmap Survey (Public).
- within Transportation Equity Zones (TEZs).

Streets and neighborhoods that meet more than one of those criteria are given higher priority, as illustrated in Figure 16. *Appendix B* includes a list of all segments in VZFAs.

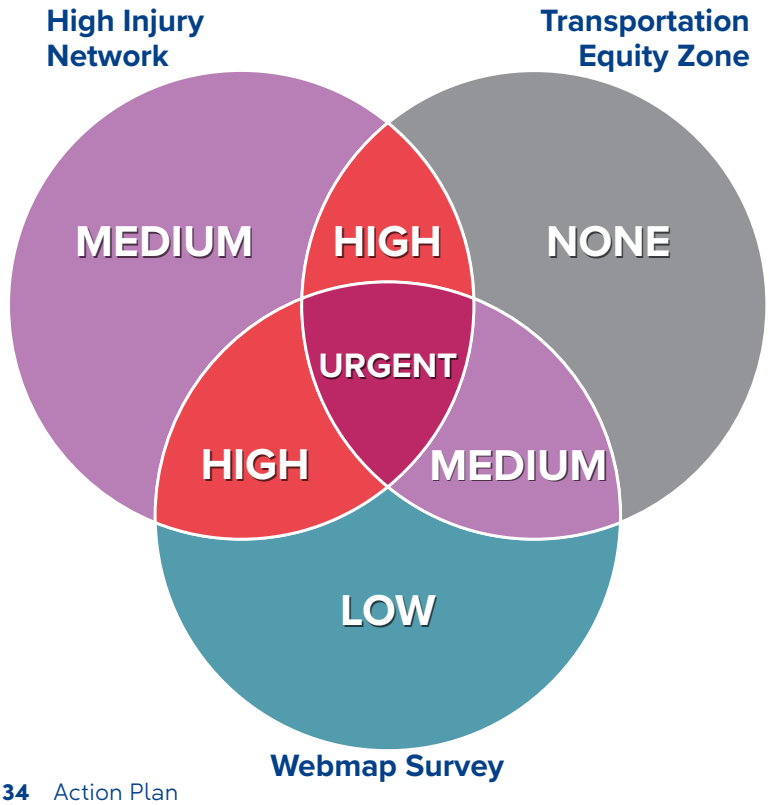
Strategies and Actions

The Town and Task Force assigned a priority from high to low for each strategy and action. Actions are scored based on a combination of several factors including how needed or urgent implementation was and how big of an impact it would have. This scoring was refined based on input from lead and supporting entities.

When time and resources are limited, this prioritization system should be utilized to determine what actions and strategies should receive the most attention.

Priority does not always correspond to early implementation. Some actions may be higher priority but have obstacles that may prevent them from being executed quickly. Likewise, some lower priority items may have early implementation.

Figure 16. Prioritizing the Vision Zero Focus Areas



Urgent *priority levels are on the HIN, highly identified by the public, and in a TEZ.***

High *priority levels are on the HIN and highly identified by the public or located in a TEZ.*

Medium *priority levels are either (1) on the HIN or (2) highly identified by the public and located in at TEZ.*

Low *priority levels are highly identified by the public but are not on the HIN or in a TEZ.*

*** Note: The most severe HIN segments are included in the urgent priority regardless of public input or location within a TEZ.*

Areas not identified within VZFAs

VZFAs give direction to the Town on projects which should be prioritized for safety improvements. Other projects may be initiated with different goals such as regular maintenance, streetscaping, operational improvements, pedestrian and bicycle facility roll-out, or other goals. The Town will review opportunities for safety improvements as part of these projects.

VZFAs do not preclude traffic calming on the streets outlined in the "Neighborhood Street Traffic Calming Program."

Updating the Plan

As shown in Figure 17, implementing Vision Zero is an iterative process. The Action Plan includes recommendations to monitor and adjust implementation and the VZFAs.

Full Action Plan

The Action Plan presented in this chapter highlights the major implementation elements. *Appendix A* includes the following additional information:

- Implementation schedule from 2024 through 2031.
- Frequency of actions.
- Performance metrics.
- Accessibility considerations.
- Equity considerations.
- Additional notes and information to support implementation.

The full Plan has been provided to the Town as an editable file so it can serve as a project management tool.

Figure 17. Updating the Action Plan

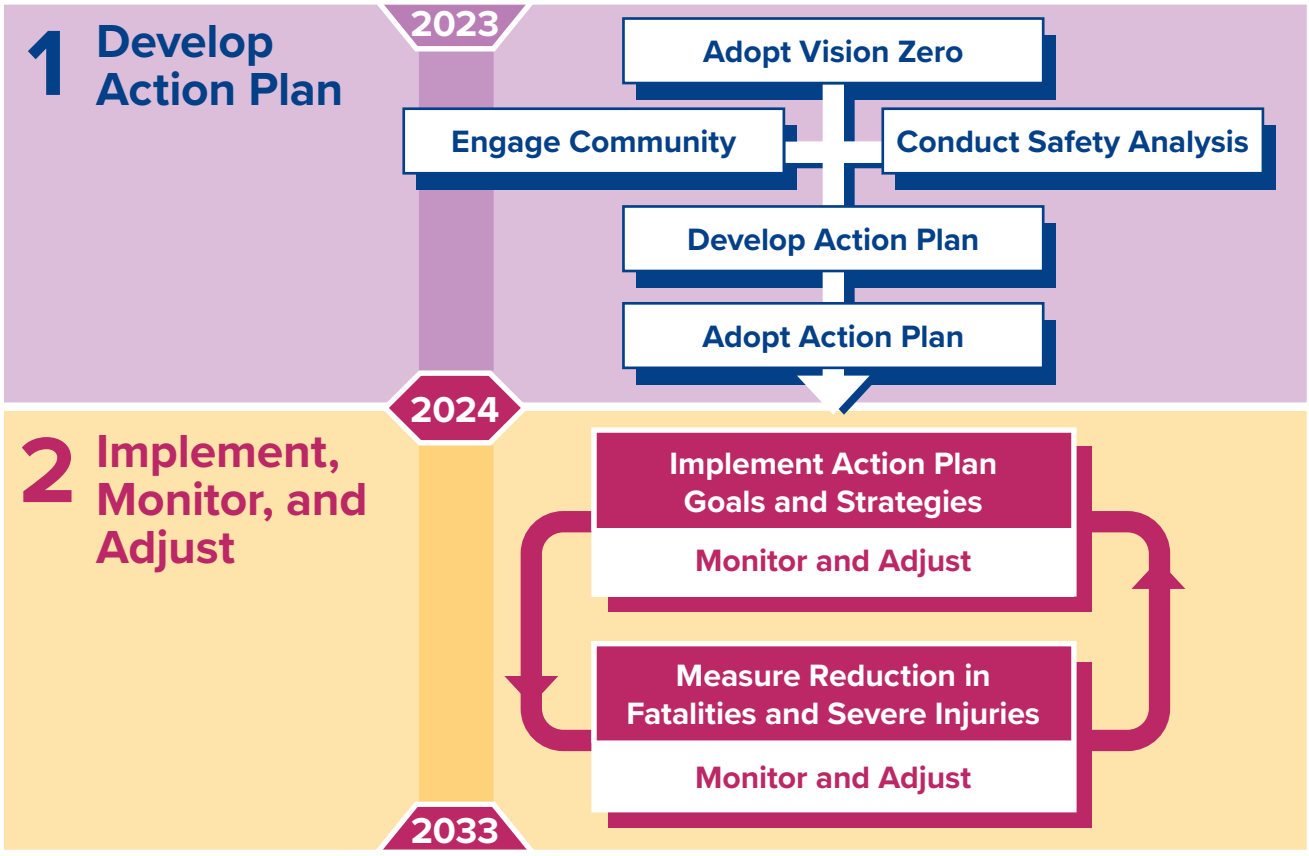


Figure 18. Vision Zero Focus Area Streets

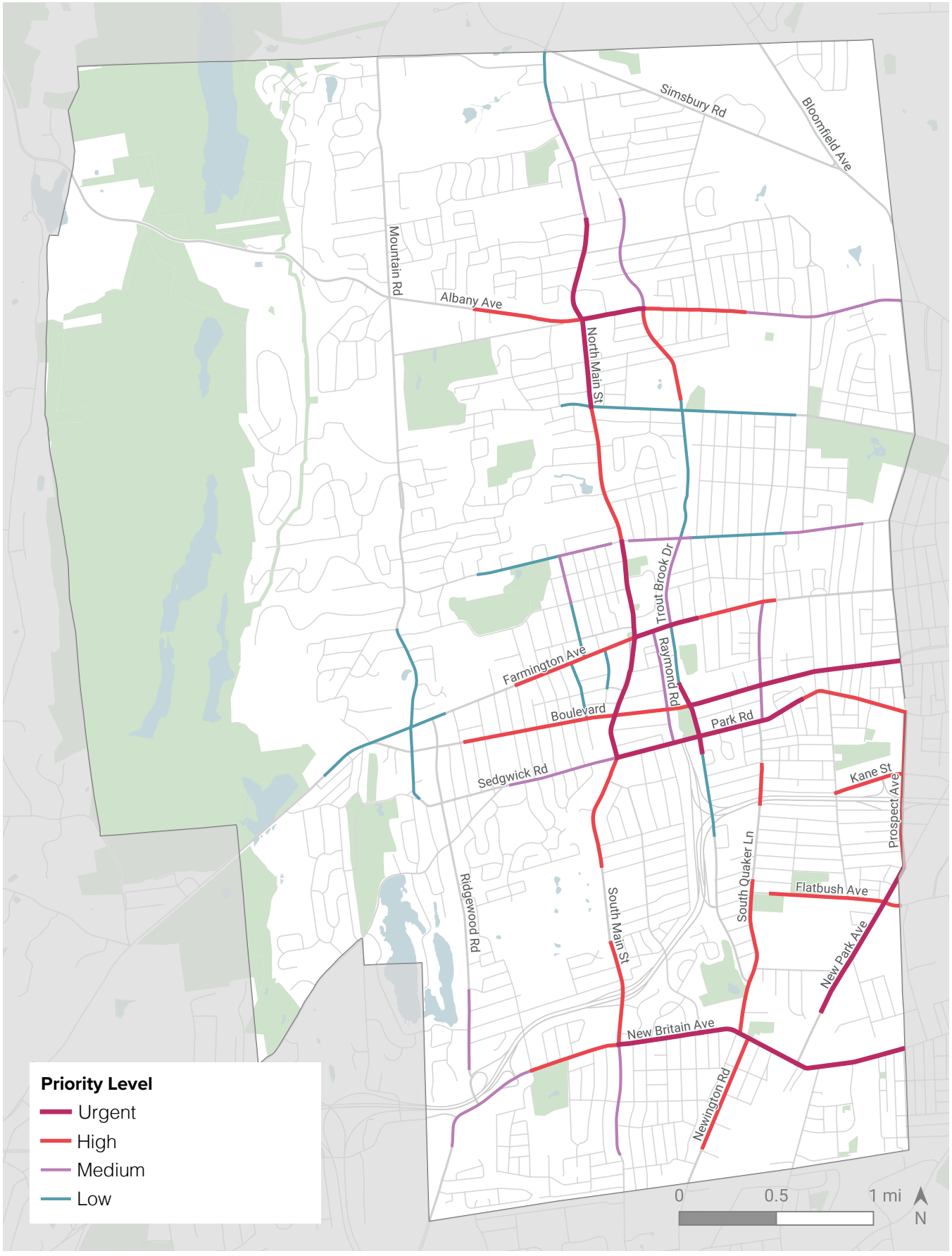
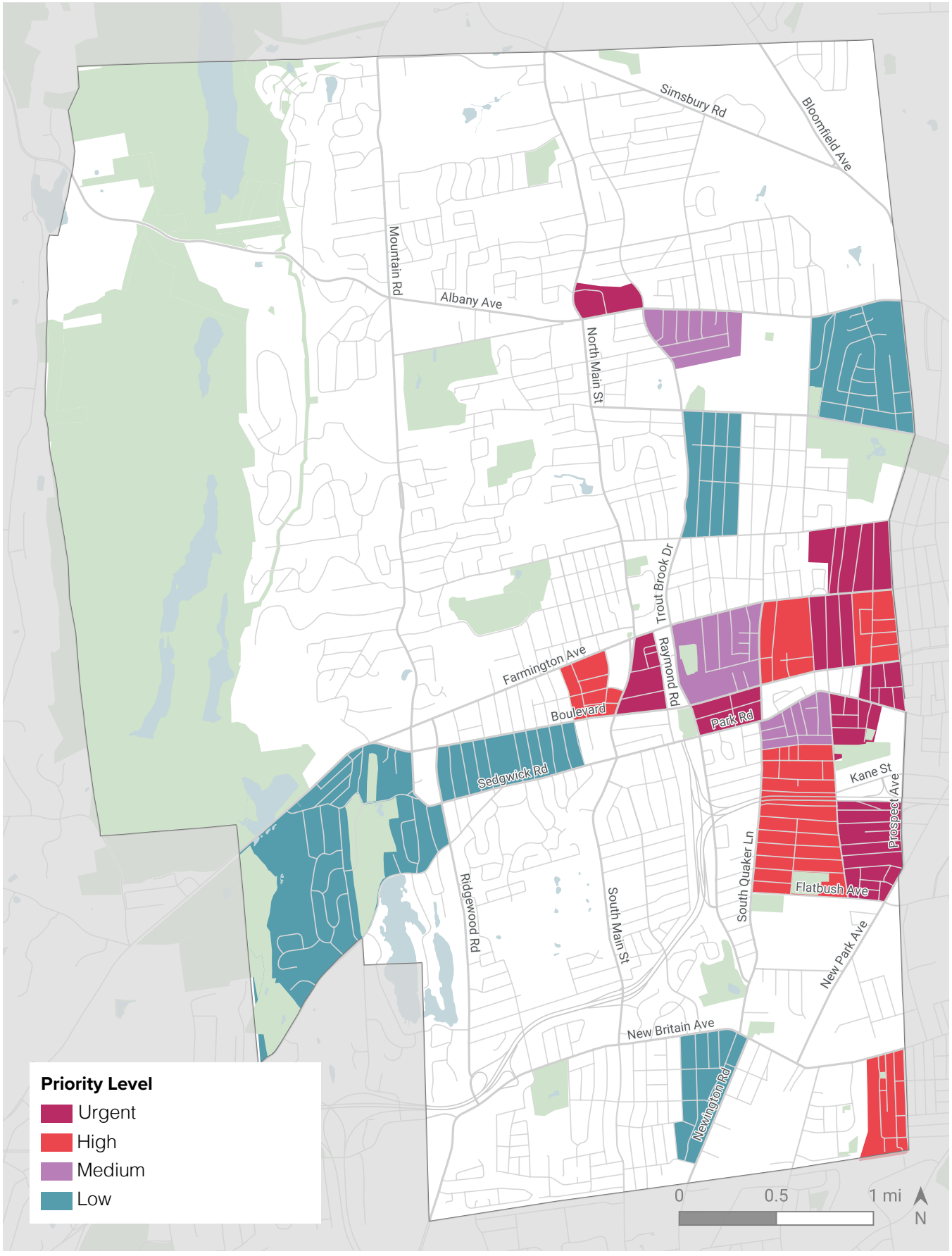


Figure 19. Vision Zero Focus Area Neighborhoods



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PRACTICES & POLICIES

Background

Effective policies, practices, and laws must be in place for the Town to implement many of the strategies identified in the other sections of this Plan. The following strategies and actions will create a proactive, safety-first framework for implementing Vision Zero. They will help the Town's departments and partnering agencies align their work to eliminate fatalities and serious injuries. The practices and policies should continue to be informed by public input and advance the Town's work on safety, data, and culture.

Goal

West Hartford will integrate the Safe System Approach to roadway design into the Town's policies and regulations.

Strategies

ID	Strategy	Priority
A	Create the institutional framework for the implementation of Vision Zero.	High
B	Establish policies and programs that will support efforts to reduce speeds, calm traffic, and increase safety for all users.	High
C	Integrate safe street design standards into zoning and subdivision ordinances.	Medium
D	Build meaningful partnerships to support new policies, practices, and projects.	Medium
E	Undertake important studies and plans.	Medium
F	Become a leader in Vision Zero in Connecticut.	Low

Practices & Policies

ID	Action	Timeframe
A	***Create the institutional framework for the implementation of Vision Zero.***	
A1	Make the Vision Zero Task Force permanent and hold quarterly status update meetings.	2024 - Ongoing
A2	Create a specific line item under Transportation & Circulation in the town's Capital Improvement Program budget that accounts for capital expenditures that advance Vision Zero. Provide dedicated funding to that line item.	Ongoing
A3	Pursue implementation grant funding to support the implementation of Vision Zero, including the Safe Streets and Roads for All (SS4A) grant.	Ongoing
A4	Establish a full-time permanent staff position responsible for overseeing the implementation of the Action Plan, annual review, data analysis, and the dashboard.	2025
A5	Conduct an annual review of the Vision Zero Action Plan. Include a work plan for projects to be undertaken in the upcoming year.	2024 - Ongoing
A6	Establish an internal Response Team to identify and implement quick-build safety countermeasures and direct enforcement and education resources at fatal crash locations.	2026 - 2029
A7	Require that all street improvement projects funded by the town include a report on how they advance Vision Zero.	2026 - Ongoing
B	***Establish policies and programs that will support efforts to reduce speeds, calm traffic, and increase safety for all users.***	
B1	Adopt a policy formalizing the use of target speed as the design approach for town projects.	2024
B2	Review of the Vision Zero Focus Areas (VZFAs) and identify locations where town speed limits can be lowered.	2024 - 2025
B3	Reduce speeds along the HIN, where warranted.	2025 - 2030

Priority	Lead	Partners	Staffing Obstacles	Funding Obstacles	Legislative Obstacles
High					
High	Town Manager	Community Development	**Yes**		
High	Community Development			**Yes**	
High	Engineering/ Police	Public Works	**Yes**		
High	Community Development			**Yes**	
Medium	Engineering		**Yes**		
Medium	Town Manager	Community Development	**Yes**	**Yes**	
Low	Engineering		**Yes**		
High					
Medium	Engineering		**Yes**		
High	Engineering		**Yes**		
High	Engineering	Public Works	**Yes**		

Practices & Policies

ID	Action	Timeframe
B4	Establish pedestrian safety zones in commercial areas with significant pedestrian activity.	2025 - 2027
B5	Initiate Neighborhood Street Traffic Calming in VZFAs.	2025 - Ongoing
B6	Update the Maintenance and Protection of Traffic Policy to include provisions for vulnerable road users. Identify that closures for these users should be the last option available particularly in school zones and pedestrian safety zones.	2024 - 2025
B7	Set a schedule for routine maintenance of road infrastructure and off-street bike facilities (e.g., sweeping, snow removal, repainting lanes, removing vegetation, and sign repair).	2027 - Ongoing
C	***Integrate safe street design standards into zoning and subdivision ordinances.***	
C1	Undertake a review of the town's zoning and subdivision ordinances to identify changes that will improve safety.	2025 - 2026
D	***Build meaningful partnerships to support new policies, practices, and projects.***	
D1	Meet annually with the Department of Transportation to identify how improvements to state roads can advance Vision Zero in West Hartford.	2024 - Ongoing
D2	Engage with CRCOG in their 2024 update to the regional Safety Action Plan to ensure West Hartford Vision Zero priorities are represented at the regional level.	2024
D3	Collaborate with CRCOG to leverage their Bipartisan Infrastructure Law (BIL) Coordinator for technical assistance in evaluating and strategically applying for funding to subsidize West Hartford's Vision Zero activities.	2024 - Ongoing
D4	Work with CRCOG and neighboring towns to create continuous bicycle and pedestrian networks to connect West Hartford to neighboring towns.	2024 - Ongoing

	Priority	Lead	Partners	Staffing Obstacles	Funding Obstacles	Legislative Obstacles
	High	Town Manager	Engineering/ Public Works	**Yes**		
	Medium	Engineering		**Yes**		
	Low	Engineering	Public Works	**Yes**		
	Low	Public Works	Engineering	**Yes**	**Yes**	
	Medium					
	Medium	Planning & Zoning	Public Works	**Yes**		
	Medium					
	Medium	Community Development	Engineering	**Yes**	**Yes**	
	Medium	Engineering		**Yes**		
	Medium	Engineering		**Yes**		
	Low	Engineering		**Yes**	**Yes**	

Practices & Policies

ID	Action	Timeframe
D5	Collaborate with the State's Vision Zero Council and the Connecticut Department of Motor Vehicles (DMV) on incorporating Vision Zero concepts into their new driver manual and license renewal mailings.	2026 - Ongoing
E	***Undertake important studies and plans.***	
E1	Develop a list of reference manuals and roadway standards that can be used to implement Vision Zero.	2025 - 2026
E2	Update the Bicycle Facility Plan.	2024
E3	Develop a Bicycle Facility Design Guide.	2024
F	***Become a leader in Vision Zero in Connecticut.***	
F1	Provide funding for two staff / Task Force members to attend one relevant conference or event to share West Hartford's experience and learn from what other communities are doing.	2026 - Ongoing

Priority	Lead	Partners	Staffing Obstacles	Funding Obstacles	Legislative Obstacles
Low	Community Development	Public Relations/ Police	**Yes**	**Yes**	**Yes**
Medium					
High	Engineering		**Yes**	**Yes**	
Medium	Engineering	Planning			
Low	Engineering		**Yes**		
Low					
Low	Town Manager			**Yes**	

SAFE DESIGN

Background

Roadway design, particularly its influence on motorist speed, is a key factor in achieving Vision Zero. Designing to reduce speeds not only decreases the risk of a crash but also decreases the risk of serious injury or death. The effects of speed are most pronounced for vulnerable road users whose risk of dying if struck by a vehicle increases dramatically with vehicle speed.

Physical changes to our streets will introduce permanent measures that will discourage dangerous, excessive, and intimidating driving and speeding. Efforts will include low-cost town-wide interventions and targeted investments in the Vision Zero Focus Areas. Safe roadway design will prioritize the needs of vulnerable road users. The action plan focuses on improvements to areas where these users may come into conflict with vehicular traffic such as intersections, crossings, and areas with missing sidewalks or bicycle facilities. These safety improvements will address existing issues while making West Hartford streets more appealing for walking and biking. The result will be fewer vehicle miles traveled, which will reduce the overall risk of injury and death.

Goal

West Hartford will adopt road design practices that prioritize safety for all users over vehicle speed and throughput. Physical design changes on roadway segments and at intersections will play an important role in reducing the number of serious injuries and deaths. More roadway users will choose alternatives to driving and, as a result, reduce the total vehicle miles traveled in the Town.

Strategies

ID	Strategies	Priority
G	Make infrastructure improvements that will make roads safer.	High
H	Reduce speeds.	High
I	Design for safe streets near schools.	Medium

KEY ACTION HIGHLIGHT: ROAD SAFETY AUDITS

A Road Safety Audit (RSA) is the formal safety performance examination of an existing or future road or intersection by a multidisciplinary team that can include engineers, planners, members of the public, and key stakeholders. RSAs are based on data and evidence, enabling communities to make informed decisions about road safety improvements. A RSA typically includes:

- Preparation and Planning: This involves gathering relevant background information such as traffic volume data, crash history, and the design of the road or intersection.
- Field Review: The team visits the site to observe traffic patterns, road user behavior, and potential hazards.
- Analysis: The audit team reviews the collected data and observations to identify safety issues. This analysis considers factors like sight distance, signage, pavement markings, pedestrian and cyclist facilities, and the behavior of different types of road users.
- Reporting: The team prepares a report detailing the identified safety issues and suggesting potential improvements. This report is usually structured to highlight immediate, short-term, and long-term recommendations.

RSAs are key to the implementation of this action plan. Initially, the Task Force had proposed many town-wide studies that would address individual issues (e.g., access to transit, sidewalk connectivity, crossing times at intersections, etc.). Although comprehensive, this approach would take significant time and resources to implement.

In contrast, utilizing the RSAs would allow the Town to:

- Focus on the most urgent segments of the Vision Zero Focus Areas (VZFA) first.
- Take a holistic approach to studying and improving streets that factored in all modes of vehicles and a wide variety of potential issues. For more information on the breadth of issues covered in the audits, see RSA Field Considerations on page 66.
- Identify immediate, short-term, and long-term recommendations in the VZFA that could be included in the work plan and advanced in subsequent years.
- Be better positioned to win grant funding for improvements.

As such, Action items G1 through G4 are interconnected and the Town should incorporate recommendations from the RSAs into the Action Plan as they are completed.

Safe Design

ID	Action	Timeframe
G	***Implement infrastructure improvements that will make roads safer.***	
G1	Conduct Road Safety Audits and/or safety assessments of areas identified in the Vision Zero Focus Areas.	2024 - Ongoing
G2	Implement quick-build recommendations within two years of conducting the Road Safety Audit.	2025 - 2026
G3	Implement short-term improvements within three to five years of conducting the Road Safety Audit.	2025 - 2029
G4	Implement long-term improvements within six to ten years of conducting the Road Safety Audit.	2027 - 3031
G5	Implement an automated enforcement (speed camera) program within Vision Zero Focus Areas to include speed enforcement and red-light enforcement.	2024 - 2025
G6	Identify and implement quick build and short-term projects that will not impact corridor planning.	2024 - 2027
G7	Prioritize the location of speed feedback signage to the Vision Zero Focus Areas.	2024 - Ongoing
G8	Construct single-lane modern roundabouts. Consider the intersections identified by the CRCOG Roundabout Study.	2026 - 2031
G9	Upon completion of the Bicycle Facility Plan, identify goals and a schedule of expansion of the bicycle network that includes continuous low-stress north-south and east-west connectivity.	2031
H	***Reduce speeds.***	-
H1	Evaluate signal timing on coordinated signal systems to ensure consistency with corridor target speeds.	2026 - 2031

Priority	Lead	Partners	Staffing Obstacles	Funding Obstacles	Legislative Obstacles
High					
High	Engineering	Community Development/ Public Works	**Yes**		
High	Engineering	Public Works	**Yes**		
High	Engineering	Public Works	**Yes**		
High	Engineering	Public Works	**Yes**		
High	Community Development	Town Manager/ Police/ Engineering/ Public Works/IT			**Yes**
High	Engineering	Public Works	**Yes**	**Yes**	
High	Engineering	Public Works	**Yes**		
Low	Engineering	Public Works	**Yes**	**Yes**	**Yes**
Low	Engineering	Public Works	**Yes**		
High					
Medium	Engineering	Public Works	**Yes**	**Yes**	

Safe Design

ID	Action	Timeframe
I	***Design for safe streets near schools.***	
I1	Expand school zone speed limit program, including reducing speeds to 20 MPH, flashing school zone speed signs, and speed feedback signage.	2026 - 2031
I2	Conduct Safe Routes to School reports for all schools within the West Hartford Public School system. Create schedule and implement short-term infrastructure and operational changes to improve safety.	2026 - 2031
I3	Identify and implement short-term, quick-build recommendations surrounding all schools.	2027 - 2031

	Priority	Lead	Partners	Staffing Obstacles	Funding Obstacles	Legislative Obstacles
	Medium					
	Medium	Engineering	Public Works	**Yes**	**Yes**	**Yes**
	Medium	Board of Education	Engineering/ Public Works	**Yes**	**Yes**	
	Medium	Engineering	Board of Education/Public Works	Yes	**Yes**	

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CULTURE

Background

While human error is inevitable, Vision Zero will be more successful if it is supported by members of the public who understand the importance of Vision Zero and the role that they play in ensuring safe streets. Motorists, bicyclists, and pedestrians each have responsibility to demonstrate safe behaviors. Vision Zero must actively engage with the public to teach traffic safety and design a safer system together. Cultural changes are evident in community action.

Goal

People in West Hartford will use roadways safely and be able to explain why it is important to do so. West Hartford will become a more informed community on road safety, yielding fewer crashes that result in serious injuries or deaths. There will be an open dialogue between the Town and residents about Vision Zero through a variety of communication mediums (website, social media, local station, etc.) that are accessible to all individuals across various backgrounds and abilities.

Strategies

ID	Strategy	Priority
J	Develop and execute a multi-media awareness campaign to educate people on safe roadway behavior.	High
K	Integrate Vision Zero education into West Hartford schools.	High
L	Establish the Town as a leader in Vision Zero best behaviors.	Medium
M	Promote non-motorized travel as a viable alternative to driving.	Low

Culture

ID	Action	Timeframe
J	***Develop and execute a multi-media awareness campaign to educate people on safe roadway behavior.***	
J1	Publish online and print public service announcements about Vision Zero.	2024 - Ongoing
J2	Maintain the West Hartford Vision Zero webpage on the town website as a central database for the Vision Zero Action Plan, progress reports, upcoming programs, related organizations, and contact methods.	Ongoing
J3	Design a campaign targeting distracted driving. (i.e., bumper sticker, PSAs, ads)	2024 - 2025
J4	Collaborate with community groups to provide workshops and educational awareness campaigns tailored to specific topics related to Vision Zero and traffic safety.	2025 - Ongoing
J5	Fully develop recognizable Vision Zero branding and marketing strategy to be used in future reports, social media posts, and outreach materials.	2024
J6	Build a multilingual Vision Zero outreach toolkit.	2024 - 2025
J7	Publish an online "Vision Zero Pledge" that allows community members to show their personal commitment to achieving zero deaths and serious injuries.	2025 - Ongoing
J8	Create and manage official West Hartford Vision Zero social media accounts to share resources and interact with community members.	Ongoing
J9	Host a workshop for professional media on how to best communicate information about traffic crashes and Vision Zero.	2024
J10	Conduct driver awareness sessions specific to Vision Zero for all town staff.	2025 - Ongoing

Priority	Lead	Partners	Staffing Obstacles	Funding Obstacles	Legislative Obstacles
High					
High	Public Relations	Equity Advancement/ Town Manager	**Yes**	**Yes**	
High	Town Manager	IT/Public Relations/ Community Development/ Engineering			
High	Public Relations	Police	**Yes**	**Yes**	
High	Public Relations	Equity Advancement/ Town Manager	**Yes**		
Medium	Public Relations	Equity Advancement/ Town Manager		**Yes**	
Medium	Equity Advancement	Public Relations	**Yes**		
Medium	Public Relations	Equity Advancement	**Yes**		
Medium	Public Relations	Town Manager/ Equity Advancement	**Yes**		
Medium	Public Relations	Town Manager/ Equity Advancement	**Yes**		
Low	Police	Public Relations	**Yes**		

Culture

ID	Action	Timeframe
K	***Integrate Vision Zero education into West Hartford schools.***	
K1	Work with students to develop a K-12 Vision Zero campaign that helps students understand the importance of road safety.	2024 - 2025
K2	Establish Vision Zero and Distracted Driving panels in schools to develop a traffic safety curriculum and oversee its implementation.	2025 - Ongoing
K3	Coordinate engagement and outreach with the development of the Safe Routes to School Program.	Ongoing
K4	Provide educational videos catered to students on Vision Zero.	2026 - Ongoing
K5	Promote designated walk/bike to school days to encourage alternative transportation modes to cars.	2026 - Ongoing
K6	Conduct information sessions with School District staff, especially school bus drivers, on safe roadway uses and their role in advancing Vision Zero.	2025 - Ongoing
L	***Establish the Town as a leader in Vision Zero best behaviors.***	
L1	Update the language in public-facing Town documents to refer to “crashes,” not “accidents.” Ensure Town staff refer to crashes instead of accidents.	2026
M	***Promote non-motorized travel as a viable alternative to driving.***	
M1	Identify key locations within the Vision Zero Focus Areas that would improve people's ability to meet their daily needs without a car. Map and integrate into prioritization framework.	2027
M2	Develop an advertising strategy to promote how safety improvements are making West Hartford a better place to walk, bike, and take transit.	2027 - Ongoing
M3	Work with major employers to promote alternative transportation modes and designated bike/walk to workdays.	Ongoing
M4	Host guided bicycle rides for new bike facilities as they open.	Ongoing

Priority	Lead	Partners	Staffing Obstacles	Funding Obstacles	Legislative Obstacles
High					
High	Board of Education/Police	Public Relations	**Yes**		
High	Public Relations	Board of Education/Police	**Yes**		
High	Board of Education/Police	Public Relations			
Medium	Public Relations	Board of Education/Police	**Yes**	**Yes**	
Low	Board of Education	Public Relations			
High	Board of Education/ School Transportation	Public Relations/ Police	**Yes**		
Medium					
Medium	Public Relations	Town Manager			
Low					
High	Engineering	Equity Advancement			
Medium	Public Relations	Town Manager	**Yes**	**Yes**	
Medium	Public Relations		**Yes**		
Low	Police	Public Relations	**Yes**		

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DATA

Background

Good data is critical to ensuring the successful implementation of Vision Zero actions. Data reveals where problems are, who is impacted, and what does and does not work. Robust and transparent data collection, measurement, analysis, and reporting are crucial to understanding the system-level changes needed to achieve Vision Zero.

Goal

West Hartford will improve and diversify its data sources, collection strategies, and analysis to make data-driven decisions. West Hartford will be accountable for its Vision Zero commitment through measurable outcomes and transparent data reporting.

Strategies

ID	Action	Priority
N	Report data to community members, Town staff, and the state.	High
O	Analyze data to improve the Town's understanding of crash patterns.	Medium
P	Improve data diversity surrounding available crash data.	Low

Data

ID	Action	Priority
N	***Report data to community members, Town staff, and the state.***	***High***
N1	Create a dashboard linked on the Vision Zero webpage to analyze the Action Plan's metrics and progress toward its goals.	High
N2	Publish project updates, progress on actions, and program updates to the data dashboard.	High
N3	Develop and publish an annual Vision Zero progress report focused on data-driven results and areas for improvement.	High
N4	Provide Town crash data about serious injuries and deaths on the data dashboard when it is made publicly available.	Medium
O	***Analyze data to improve the Town's understanding of crash patterns.***	***Medium***
O1	Update and modify the High Injury Network and Vision Zero Focus Areas.	High
O2	Track and analyze trends in contributing factors identified on the High Injury Network.	Medium
O3	Compare traffic data before and after traffic calming interventions to assess effectiveness and refine future applications.	Medium
O4	Identify nodes located near the High Injury Network that attract trips by vulnerable users (schools, parks, transit hubs, health centers, trail crossings, etc.) to help prioritize implementation.	Medium
P	***Improve data diversity surrounding available crash data.***	***Low***
P1	Solicit public input on perception of traffic safety when updates are made to the Vision Zero Focus Areas.	High
P2	Collect speed data on high crash corridors to identify where prevailing speeds exceed the posted speed limit.	High
P3	Update and promote the Town's online system for road users to report problem road areas, hazards, near misses, and the like. Publish that information on the data dashboard.	Medium

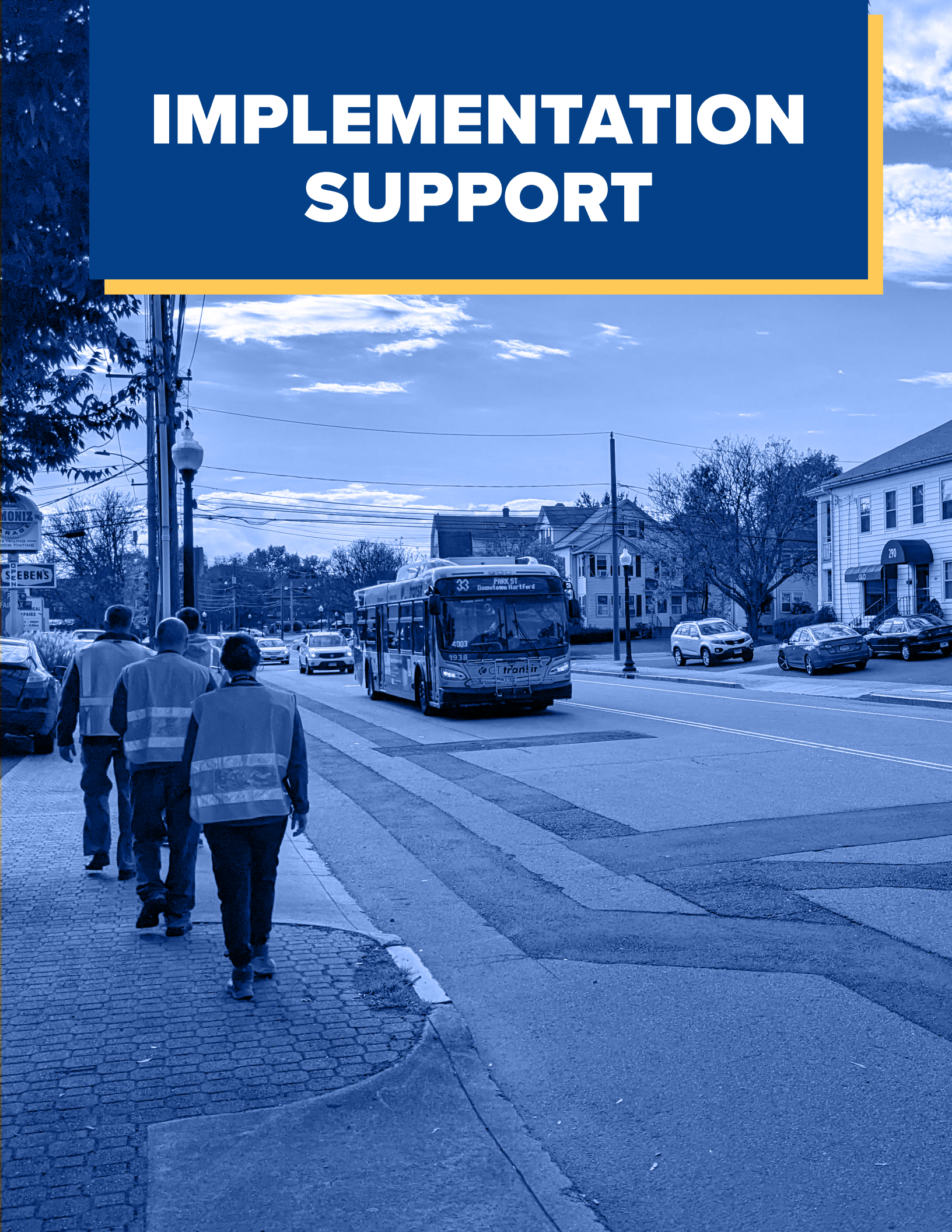
	Timeframe	Lead	Partners	Staffing Obstacles	Funding Obstacles	Legislative Obstacles
	2024	Engineering		**Yes**	**Yes**	
	2025 - Ongoing	Engineering	Community Development			
	2024 - Ongoing	Community Development	Engineering/ Police/Public Relations/Board of Education	**Yes**	**Yes**	
	2025 - Ongoing	Police	IT			
	2027	Engineering		**Yes**		
	2026 - Ongoing	Engineering	Police	**Yes**		
	2026 - Ongoing	Engineering		**Yes**		
	2024	Engineering			**Yes**	
	2026 & 2031	Public Relations	Engineering			
	2024 - Ongoing	Engineering	Police	**Yes**		
	2025	Public Relations	Public Works			

Data

ID	Action	Priority
P4	Advocate for better crash data collection Statewide. This may include improved police data collection on crash report forms, particularly for crashes involving non-motorists.	Low

Timeframe	Lead	Partners	Staffing Obstacles	Funding Obstacles	Legislative Obstacles
Ongoing	Police				

IMPLEMENTATION SUPPORT



SUPPORTING DOCUMENTS

Background

As part of its initial efforts, the Task Force identified a variety of safety concerns in West Hartford and proposed that each of these issues be studied individually. This would have resulted in more than a dozen studies, overwhelming the Town and slowing implementation. Moreover, that approach lacked a focus on VZFAs.

Instead, the project team proposed, and the Task Force embraced, an approach that would utilize **Road Safety Audits (RSAs)** and smaller roadway assessments to advance Vision Zero. In this approach, the Town would conduct regular studies on roadway segments, prioritizing VZFAs. This would allow the Town to:

- Focus their attention on the highest need areas first.
- Study roadways holistically and address the totality of issues, not just the ones identified by the Task Force.
- Identify projects for implementation more quickly.

In support of that effort, this chapter includes two important documents. The first is **RSA Field Considerations**, which can be used to identify safety issues during the RSAs. It is important to note that the list of considerations need not be static and should evolve as the Town learns from its initial RSA efforts.

The second is a **countermeasures matrix** which provides direction on interventions that could be appropriate for addressing the issues identified by the Task Force.

Performance Measures

To track progress towards Vision Zero, the Action Plan identifies several top-level performance measures to track on an annual basis.

- Number of fatal and severe injury crashes: Town-Wide (not including I-84), involving pedestrians and bicyclists, occurring within the Vision Zero Focus Areas.
- Percentage of VZFAs improved
- Number of Road Safety Audits (RSAs) Completed
- Number of Safe Routes to School Reports (SRTS) Completed
- Number of Early Action Recommendations (RSA & SRTS) Implemented
- Number of Grant Applications Submitted to Support Long-Term Recommendation Development

Additionally, the full Action Plan (located in the appendix) includes performance measures on each of the individual actions.

Data Dashboard

A Data Dashboard has been developed to visualize and explore crash trends within West Hartford. The dashboard is available on the West Hartford Vision Zero website and includes annually-updated crash information (updated by early-summer of each year) as well as featured projects recently completed or underway related to the Action Plan.

RSA FIELD CONSIDERATIONS

Pedestrian Accommodations

- Sidewalks (ADA compliant, width, grade, condition, drainage, buffer, etc.)
- Sidewalk connectivity **
- Lighting
- Amenities (benches, trash receptacles, etc.)

Pedestrian Crossings

- Crossing times and distance **
- Signage
- Pavement markings **
- Accessible pedestrian signals (APS) **
- Adequate sight distance
- ADA compliant ramps (grades, orientation, tactile warning strips, etc.)
- Pedestrian refuge at islands
- Distance between crossings **

Bicycle Accommodations

- Bicycle facilities (design, location and condition)
- Gaps **
- Separation from traffic
- Conflicts with on-street parking **
- Pedestrian conflicts
- Bicycle signal detection
- Visibility
- Roadway speed limit
- Bicycle signage / markings
- Shared lane width
- Shoulder condition / width
- Traffic volume
- Heavy vehicles
- Pavement condition
- Debris

Transit Accommodations

- Location
- Signage
- Seating / Covers
- Pedestrian connectivity **

Road Facilities

- Access points
- Drainage
- Tapers and lane shifts
- Roadside clear zone / slopes
- Guide rails / protection systems
- Capacity issues

Road Surface Condition

- Pavement (excessive roughness or rutting, potholes, loose material)
- Edge drop-offs
- Drainage issues

Intersections

- Geometry
- Sight distances **
- Traffic control devices
- Safe storage for turning vehicles
- Exclusive right turn lanes **

Signals

- Visibility
- Operation
- Timing **
- Safe placement of equipment
- Proper sight distance
- Adequate lane capacity

Signage

- Correct use
- Clear messaging
- Good placement for visibility
- Adequate retro-reflectivity

Pavement Markings

- Correct and consistent with MUTCD
- Lane widths **
- Adequate visibility
- Condition
- Snow storage
- Edgelines provided

Driver Behavior

- Compliance with speed limits **
- Sight distance adequacy
- Safe passing opportunities
- Distractions
- Unaware of pedestrians / cyclists

Miscellaneous

- Weather impacts

*** Identified by Task Force as a common or persistent issue in West Hartford.*

TYPICAL SAFETY ISSUES IDENTIFIED BY TASK FORCE

Issue	Potential Countermeasures
Speeding, especially when speeders are exceeding 35 MPH or 10 MPH above the speed limit.	Speed Limit Reduction, School Zone Speed Limit, Automated Speed Enforcement, Lane Striping Changes (Narrower Lanes), Road Diet, Neighborhood Traffic Calming, Roundabout, Bumpout, Signal Retiming, Adaptive Signals, Raised Intersection, Raised Crosswalk, Pedestrian Refuge Island (with horizontal deflection)
Excessive lane widths that encourage speeding or other dangerous behaviors	Lane Striping Changes (Narrower Lanes)
Excessive roadway capacity, especially where it may encourage unsafe behaviors	Road Diet, Right-Turn Lane Closure, Signal Retiming
Gaps in the sidewalk network, including lacking sidewalks and damaged sidewalks which make them difficult to use (especially by people with disabilities).	Sidewalks
Improper sight lines to nearby intersections and driveways	Sight Line Improvements at Corners (Vegetation and Parking)
Inadequate pedestrian infrastructure, especially at high-pedestrian crossing volume locations	Crosswalks, Mid-block Crosswalks, Rectangular Rapid Flashing Beacons (RRFBs), Pedestrian Refuge Island, Raised Crosswalk, Raised Intersection, Crosswalk Yield Lines and Other Pavement Markings, Automated Pedestrian Detection / Pedestrian Recall, Dynamic No-Turn on Red (NTOR) Signage with Pedestrian Signal Activitation, Right-Turn Lane Closure, Bumpouts, Roundabout, Road Diet, Neighborhood Traffic Calming, Automated Speed Enforcement, Automated Red-Light Enforcement, Parking Restriction Enforcement, Additional Lighting, Speed Limit Reduction, School Zone Speed Limit
Overbuilt, unnecessary, poorly designed, or poorly signalized exclusive right-turn lanes	Raised Crosswalk (across Chanelized Right-turn Lane), Dynamic No-Turn on Red (NTOR) Signage with Pedestrian Signal Activitation), Right-Turn Lane Closure, Automated Red-Light Enforcement

Issue	Potential Countermeasures
Excessive pedestrian wait times at traffic signals that induces unsafe pedestrian activity.	Signal Retiming, Adaptive Signals, Automated Pedestrian Detection / Pedestrian Recall
Missing, long, unsafe, or inadequate pedestrian crossings at intersections (especially across arterials or collectors) and mid-block.	Crosswalks (at Intersections), Mid-block Crosswalks
Improper signal timing, especially when it encourages speeding or unsafe driver behaviors (e.g., jumping signals).	Signal Retiming, Adaptive Signals
Bus stop locations that have unsafe or inconvenient pedestrian access routes from the stops to nearby destinations.	Sidewalks, Crosswalks (at Intersections), Mid-block Crosswalks, Bus Stop Relocation
Gaps in the bicycle network	Bicycle Facility (Refer to Bike Plan)
Frequent vehicular parking occurs in bicycle facilities.	Parking Restriction Enforcement

POTENTIAL COUNTERMEASURES

The following summarizes potential countermeasures that can support implementation. They are organized into the following categories:

- Pedestrian and Bicycle Countermeasures
- Countermeasures at Intersections and Driveways
- Cross Section Countermeasures
- Enforcement
- Miscellaneous Countermeasures

Countermeasures are based on review of available resources including the Federal Highway Administration's Proven Safety Countermeasures website. Additionally, the Action Plan effort includes a desktop review of the Vision Zero Focus Areas which were identified as an "Urgent" priority. Additional review of crash details in these areas as well as identification of appropriate countermeasures are included in this list. The list below is not exhaustive but rather representative of the most common countermeasures appropriate for West Hartford.

	Countermeasures	Safety Issues								
		Speeding	Pedestrian Crashes	Bicyclist Crashes	DUI & Distracted Users	Crashes at Intersections	Angle Crashes	Head-on Crashes	Single Vehicle Crashes	Crashes at Night
Pedestrian and Bicycle	Sidewalks (ADA-compliant)		Yes							
	Crosswalks - at Signal or All-Way Stop		Yes			Yes				
	Crosswalks - Mid-Block or at Two-Way Stop (Main Road)		Yes			Yes				
	Crosswalks - at Two-Way Stop (Side Street)		Yes			Yes				
	Rectangular Rapid Flashing Beacons (RRFB)		Yes		Yes	Yes				Yes
	High-Intensity Crosswalk Lighting w/ RRFB		Yes		Yes	Yes				Yes

Countermeasures		Safety Issues								
		Speeding	Pedestrian Crashes	Bicyclist Crashes	DUI & Distracted Users	Crashes at Intersections	Angle Crashes	Head-on Crashes	Single Vehicle Crashes	Crashes at Night
Ped. and Bicycle	Pedestrian Refuge Island		Yes			Yes		Yes		
	Raised Crosswalk/ Intersection	Yes	Yes		Yes	Yes				
	Bus Stop Relocation		Yes							
	Bicycle Facility (Refer to Bike Plan)			Yes						
Intersection and Driveways	Traffic Signals		Yes	Yes		Yes	Yes			
	Pedestrian Signal Heads		Yes			Yes				
	Accessible Pedestrian Signals (APS) / Countdown Timer		Yes			Yes				
	Automated Pedestrian Detection / Pedestrian Recall		Yes			Yes				
	Signal Retiming - Adequate Green / Walk Time	Yes	Yes	Yes		Yes	Yes			
	Signal Retiming - Clearance Intervals	Yes	Yes	Yes		Yes	Yes			
	Signal Retiming - Adaptive Signals	Yes	Yes	Yes		Yes				
	Protected Left Phase					Yes	Yes	Yes		
	Flashing Yellow Arrow (FYA)				Yes	Yes	Yes	Yes		
	Dynamic No-Turn on Red (NTOR) Signage with Pedestrian Signal Activation		Yes		Yes	Yes				

	Countermeasures	Safety Issues								
		Speeding	Pedestrian Crashes	Bicyclist Crashes	DUI & Distracted Users	Crashes at Intersections	Angle Crashes	Head-on Crashes	Single Vehicle Crashes	Crashes at Night
Intersection and Driveways	Retroflective Backplates				Yes	Yes	Yes	Yes		Yes
	Left-Turn Lane Addition					Yes				
	Right-Turn Lane Closure		Yes			Yes				
	Intersection “Cat Track” Markings			Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Bumpouts	Yes	Yes			Yes	Yes			
	Sight Line Improvements at Corners (Landscaping & Parking etc.)		Yes	Yes		Yes	Yes			
	Systematic Application of Signage at Stop-Controlled Intersections				Yes	Yes	Yes	Yes	Yes	Yes
	Access Management - Turn Restrictions		Yes			Yes	Yes	Yes		
	Access Management - One-Way or Half-Closure		Yes			Yes	Yes	Yes		
	Access Management - Driveway / Road Full Closure		Yes			Yes	Yes	Yes		
	Roundabout	Yes	Yes		Yes	Yes	Yes	Yes		
Cross Section	Retroreflective Epoxy Pavement Markings			Yes	Yes			Yes	Yes	Yes
	Lane Striping Changes	Yes		Yes		Yes		Yes	Yes	Yes
	Road Diet	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	

Countermeasures		Safety Issues								
		Speeding	Pedestrian Crashes	Bicyclist Crashes	DUI & Distracted Users	Crashes at Intersections	Angle Crashes	Head-on Crashes	Single Vehicle Crashes	Crashes at Night
Cross Section	Edge Lines / Wider Edge Lines			Yes	Yes				Yes	Yes
	Centerline Rumble Strips				Yes			Yes	Yes	Yes
	Horizontal Curve Signage and Pavement Markings				Yes				Yes	Yes
	Median Island	Yes					Yes	Yes	Yes	
Enforcement	Automated Speed Enforcement	Yes	Yes	Yes						
	Automated Red-Light Enforcement		Yes	Yes		Yes	Yes	Yes		
	DUI & Distracted User Enforcement				Yes					
	Parking Restriction Enforcement		Yes	Yes		Yes	Yes			
Miss.	Neighborhood Traffic Calming	Yes	Yes	Yes						
	Lighting - Roadway		Yes	Yes					Yes	Yes
	Lighting - Pedestrian		Yes	Yes					Yes	Yes
	Speed Limit Reduction	Yes	Yes	Yes						
	School Zone Speed Limit	Yes	Yes	Yes						
	Directional Pavement Markings				Yes	Yes				
	Directional Signage				Yes	Yes				

APPENDIX A. FULL ACTION PLAN

West Hartford Vision Zero Action Plan - REV 1/5/2024

PRACTICES AND POLICY

ID	Description	2024	2025	2026	2027	2028	2029	2030	2031+	Priority	Lead Entity	Supporting Entity	Frequency	Performance Metric	Accessibility Considerations	Equity Considerations	Staff Obs.	Funding Obs.	Legis. Obs.	Additional Information
A	**Create the institutional framework for the implementation of Vision Zero.**									**HIGH**										
A1	Make the Vision Zero Task Force permanent and hold quarterly status update meetings.	COMPLETE	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	1 HIGH	Town Manager	Community Development	Quarterly	Number of meetings held per year.	Include members who have experience with improving assessibility.	Include BIPOC, disabled, senior, youth and LGBTQIA members.	X			
A2	Create a specific line item under Transportation & Circulation in the town's Capital Improvement Program budget that accounts for capital expenditures that advance Vision Zero. Provide dedicated funding to that line item.	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	1 HIGH	Community Development	-	Annually	Creation of line item; Number of dollars allocated to Vision Zero projects.	-	-		X		
A3	Pursue implementation grant funding to support the implementation of Vision Zero, including the Safe Streets and Roads for All (SS4A) grant.	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	1 HIGH	Engineering/Police	Public Works	Annually	Applications submitted; dollars awarded.	-	-	X			
A4	Establish a full-time permanent staff position responsible for overseeing the implementation of the Action Plan, annual review, data analysis, and the dashboard.	COMPLETE	-	-	-	-	-	-	-	1 HIGH	Community Development	-	Once	Establishment of position.	-	-		X		
A5	Conduct an annual review of the Vision Zero Action Plan. Include a workplan for projects to be undertaken in the upcoming year.	INITIATE	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	1 HIGH	Vision Zero Advisory Committee	-	Annually	Completion of review and update of action plan	Review should include a discussion of any equity issues that have arrisen during the previous year and how they will be addressed.	Review should include a discussion of any equity issues that have arrisen during the previous year and how they will be addressed.	X			Review should identify how to (1) allocate financial resources for staffing, infrastructure, and maintenance needs and (2) make updates to the action plan based on what was learned the previous year. Workplan should be developed in reference to capital expenditures planned for Action A2.
A6	Establish an internal Response Team to identify and implement quick-build safety countermeasures and direct enforcement and education resources at fatal crash locations.	INITIATE	WORKING	WORKING	WORKING	WORKING	WORKING	WORKING	ONGOING	2 MEDIUM	Town Manager	Community Development	Ongoing	Establishment of Response Team. Number of responses and measures implemented.	-	-	X	X		
A7	Require that all street improvement projects funded by the town include a report on how they advance Vision Zero.			INITIATE	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	3 LOW	Engineering	-	As needed	Establishment of policy requiring reports	Report should include where road projects have included accessibility improvements.	Report should include and Equity Report	X			
B	**Establish policies and programs that will support efforts to reduce speeds, calm traffic, and increase safety for all users.**									**HIGH**										
B1	Adopt a policy formalizing the use of target speed as the design approach for town projects.	COMPLETE	-	-	-	-	-	-	-	1 HIGH	Engineering	-	Once	Adoption of policy	-		X			This approach considers the highest-speed vehicles should operate on roadways.
B2	Review of the Vision Zero Focus Areas (VZFAs) and identify locations where town speed limits can be lowered.	INITIATE	COMPLETE	-	-	-	-	-	-	1 HIGH	Engineering	-	Once	Phase 1. Completion of review and identification of roadways. Phase 2. Percentage of reducible roadways that have had their speeds adjusted.	-	Report on percentage of locations that are within the TEZs	X			Refer to Federal Highway Administration US Limits 2 and NACTO City Limits guidance to establish consistent speed limits, taking into consideration the level of conflict and activity on streets.
B3	Reduce speeds along the HIN, where warranted.		INITIATE	WORKING	WORKING	WORKING	WORKING	COMPLETE	-	1 HIGH	Engineering	Public Works	As needed	Number of miles of roadway where speed limits have been reduced.	-	Report on percentage of locations that are within the TEZs	X			
B4	Establish pedestrian safety zones in commercial areas with significant pedestrian activity.		INITIATE	WORKING	COMPLETE	-	-	-	-	1 HIGH	Town Manager	Engineering/Public Works	As needed	Establishment of safety zones.	-	-	X			Utalize the criteria established in CT General Statutes 14-307A to idntify appropriate locations.
B5	Initiate Neighborhood Street Traffic Calming in VZFAs.		INITIATE	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	2 MEDIUM	Engineering	-	One per year, as staffing and funding permit.	Completion of examination and follow up actions.	Ensure that information about the program is sufficiently advertised in the towns TEZs and in multiple languages.	Ensure that information about the program is sufficiently advertised in the towns TEZs and in multiple languages.	X			Town-initiated project should include VZFA streets and intersections that are also prone to cut-through traffic that causing injuries and/or deaths. Where appropriate including additional traffic calming measures in the program. Refer to the "Neighborhood Street Traffic Calming Program"
B6	Update the Maintenance and Protection of Traffic Policy to include provisions for vulnerable road users. Identify that closures for these users should be the last option available particularly in school zones and pedestrian safety zones.	INITIATE	COMPLETE	-	-	-	-	-	-	3 LOW	Engineering	Public Works	Once	Completion of Policy Update	-	-	X			
B7	Set a schedule for routine maintenance of road infrastructure and off-street bike facilities (e.g., sweeping, snow removal, repainting lanes, removing vegetation, and sign repair).				INITIATE	ONGOING	ONGOING	ONGOING	ONGOING	3 LOW	Public Works	Engineering	Once	Development and implementation of schedule.	-	-	X	x		
C	**Integrate safe street design standards into zoning and subdivision ordinances.**									**HIGH**										
C1	Undertake a review of the town's zoning and subdivision ordinances to identify changes that will improve safety.		INITIATE	COMPLETE	-	-	-	-	-	3 LOW	Planning & Zoning	Public Works	Once	Completeion of review; adoption of changes.	-	-	X		X	This review should include addressing access managing standards in pedestrian safety zones.
D	**Build meaningful partnerships to support new policies, practices, and projects.**									**MEDIUM**										
D1	Meet annually with the Department of Transportation to identify how improvements to state roads can advance Vision Zero in West Hartford.	INITIATE	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	2 MEDIUM	Community Development	Engineering	Annually	Number of meetings held per year.	-	-	X	X		
D2	Engage with CRCOG in their 2024 update to the regional Safety Action Plan to ensure West Hartford Vision Zero priorities are represented at the regional level.	COMPLETE	-	-	-	-	-	-	-	2 MEDIUM	Engineering		As needed	Completion of Safety Action Plan			X			

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NEW	Description	2024	2025	2026	2027	2028	2029	2030	2031+	Priority	Lead Entity	Supporting Entity	Frequency	Performance Metric	Accessibility	Equity	Staff Obs.	Funding Obs.2	Legis. Obs.	Additional Information
D3	Collaborate with CRCOG to leverage their Bipartisan Infrastructure Law (BIL) Coordinator for technical assistance in evaluating and strategically applying for funding to subsidize West Hartford's Vision Zero activities.	INITIATE	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	2 MEDIUM	Engineering		As needed	Number of dollars awarded through grants.			X			
D4	Work with CRCOG and neighboring towns to create continuous bicycle and pedestrian networks to connect West Hartford to neighboring towns.	INITIATE	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	3 LOW	Engineering	-	As needed	Linear miles of network improvements and/or connections added.	-	-	X	X		
D5	Collaborate with the State's Vision Zero Council and the Connecticut Department of Motor Vehicles (DMV) on incorporating Vision Zero concepts into their new driver manual and license renewal mailings.			INITIATE	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	3 LOW	Community Development	Public Relations/Police	As needed	-	-	-	X	X	X	This should include coorination with the State's Vision Zero Council to identify areas where the State can amend policies and laws to advance Vision Zero. Collaboration should also include how hospitals can provide better data on serious injuries from crashes.
E	**Undertake important studies and plans.**									**MEDIUM**										
E1	Develop a list of reference manuals and roadway standards that can be used to implement Vision Zero.		INITIATE	COMPLETE	-	-	-	-	-	1 HIGH	Engineering	-	Once	Development of standards	Include references to standards that address accessibility for all roadway users.	-	X	X		The reference manual should identify appropriate safety solutions on different roadway types, including arterial and colelcted.
E2	Update the Bicycle Facility Plan.	COMPLETE	-	-	-	-	-	-	-	2 MEDIUM	Enginering	Planning	As needed	Completion of plan	-	Engage community representatives from TEZs and incorporate their transportation safety needs.				The Plan should identify feasible and appropriate bicycle facility for reasonably confident bicyclists on all streets where shared facilities are not appropriate. It should include a low-stress bicycle network appropriate for less confident bicyclists of all ages. In line with the Complete Streets Policy, on streets where no feasible or appropriate facility exists, continue documenting reasoning and the next closest alternate facility.
E3	Develop a Bicycle Facility Design Guide.	COMPLETE	-	-	-	-	-	-	-	3 LOW	Engineering	-	Once	Completion of guide	-	Engage community representatives from TEZs and incorporate their transportation safety needs.	X			The guide should include references to current state and national standards.
F	**Become a leader in Vision Zero in Connecticut.**									**LOW**										
F1	Provide funding for two staff / Task Force members to attend one relevant conference or event to share West Hartford's experience and learn from what other communities are doing.			INITIATE	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	3 LOW	Town Manager	-	Once every other year	Allocation of funding; attendance at events.	-	-		X		

SAFE DESIGN

NEW	Description	2024	2025	2026	2027	2028	2029	2030	2031+	Priority	Lead Entity	Supporting Entity	Frequency	Performance Metric	Accessibility	Equity	Staff Obs.	Funding Obs.2	Legis. Obs.	Additional Information
G	**Implement infrastructure improvements that will make roads safer.**									**HIGH**										
G1	Conduct RSAs and/or safety assessments of areas identified in the VZFA.	INITIATE	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	1 HIGH	Engineering	Community Development/Public Works	2 per year, as funding and staffing permit	Number of RSAs that are completed and contain all required elements.	Include BIPOC, disabled, senior, youth and LGBTQIA member in audits. Include accessibility evaluation in audits/assesments.	Include at least one audit or assestment in a TEZ per cycle. Include BIPOC, disabled, senior, youth and LGBTQIA member in audits.	X	X		Review conditions and develop recommendations ranging from short-term to long-term. Include conceptual plans to establish community buy-in.
G2	Implement quick-build recommendations within two years of conducting the RSA.		INITIATE	COMPLETE	-	-	-	-	-	1 HIGH	Engineering	Public Works	As needed	Completion of improvements	Include in Annual Report (Action A4) which projects included accessibility improvemetns.	Include in Annual Report (Action A4) the number of project proposed and completed in TEZs.	X			Consider quick-build elements such as striping, signage, and modular vertical elements.
G3	Implement short-term improvements within three to five years of conducting the RSA.		INITIATE	WORKING	WORKING	WORKING	COMPLETE	-	-	1 HIGH	Engineering	Public Works	As needed	Completion of improvements	Include in Annual Report (Action A4) which projects included accessibility improvemetns.	Include in Annual Report (Action A4) the number of project proposed and completed in TEZs.	X	X		
G4	Implement long-term improvements within six to ten years of conducting the RSA.				INITIATE	WORKING	WORKING	WORKING	COMPLETE	1 HIGH	Engineering	Public Works	As needed	Completion of improvements	Include in Annual Report (Action A4) which projects included accessibility improvemetns.	Include in Annual Report (Action A4) the number of project proposed and completed in TEZs.	X	X		
G5	Identify and implement quick build and short-term projects that will not impact corridor planning.	INITIATE	ONGOING	ONGOING	COMPLETE	-	-	-	-	1 HIGH	Engineering	Public Works	2 per year, as funding and staffing permit		Include in Annual Report (Action A4) which projects included accessibility improvemetns.	Include in Annual Report (Action A4) the number of project proposed and completed in TEZs.	X	X		Examples of projects include timing changes, retro reflective backplates , NTOR signage- the "low-hanging fruit" which doesn't really preclude any other changes. Coordinate with CTDOT on statewide iniatives for town roads when feasible.
G6	Implement an automated enforcement (speed camera) program within Vision Zero Focus Areas to include speed enforcement and red-light enforcement.	**INITIATE**	**COMPLETE**	-	-	-	-	-	-	**1 HIGH**	Community Development	Town Manager/Police/Engineering/Public Works/IT	As needed	Development of program, # of install locations	-	Engage with TEZ community members on placing cameras. Monitor enforcement to ensure Environmental Justice communitiesa are not disproporitionately impacted. Consider less punitive solutions (e.g., speed feedback signs) where cameras create social justice concerns.		X		
G7	Prioritize the location of speed feedback signage to the Vision Zero Focus Areas.	INITIATE	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	1 HIGH	Engineering	Public Works	Ongoing			Report on the distribution of signs across TEZ and non-TEZ communities.	X			
G8	Construct single-lane modern roundabouts. Consider the intersections identified by the CRCOG Roundabout Study.			INITIATE	WORKING	WORKING	WORKING	WORKING	COMPLETE	3 LOW	Engineering	Public Works	As needed	Number of roundabouts constructed	-	-	X	X		
G9	Upon completion of the Bicycle Facility Plan, idetnify goals and a schedule of expansion of the bicycle network that includes continous low-stress north-south and east-west connectivity.								INITIATE	3 LOW	Engineering	Public Works	As needed	Lane miles of bicycle routes constructed.	-	-	X			Consider connecting to schools, parks, commercial centers, and other areas that may be attractive destinations for these users.

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NEW	Description	2024	2025	2026	2027	2028	2029	2030	2031+	Priority	Lead Entity	Supporting Entity	Frequency	Performance Metric	Accessibility	Equity	Staff Obs.	Funding Obs.2	Legis. Obs.	Additional Information
H	**Reduce speeds.**									HIGH										
H1	Evaluate signal timing on coordinated signal systems to ensure consistency with corridor target speeds.		INITIATE	WORKING	WORKING	WORKING	WORKING	COMPLETE		2 MEDIUM	Engineering	Public Works	1 corridor per year	Percentage of timed signals that align with corridor target speed or # of corridors with coordination	-	Engage with TEZ community members and Invite BIPOC, disabled, senior, youth and LGBTQIA residents to forum	X	X		
I	**Design for safe streets near schools.**									MEDIUM										
I1	Expand school zone speed limit program, including reducing speeds to 20 MPH, flashing school zone speed signs, and speed feedback signage.		INITIATE	WORKING	WORKING	WORKING	WORKING	COMPLETE		2 MEDIUM	Engineering	Public Works	1 school per year	# of schools where speed limit programs have been implemented.	-	Identify schools within the TEZs and prioritize implementation of those areas.	X	X	X	
I2	Conduct Safe Routes to School reports for all schools within the West Hartford Public School system. Create schedule and implement short-term infrastructure and operational changes to improve safety.		INITIATE	WORKING	WORKING	WORKING	WORKING	COMPLETE		2 MEDIUM	Board of Education	Engineering/Public Works	1 SRS Report every two years until complete.	Number of reports conducted	-	-	X	X	X	Consider vertical speed-control infrastructure in these areas such as raised crosswalks and/or intersections on collectors and arterials if appropriate.
I3	Identify and implement short-term, quick-build recommendations surrounding all schools.			INITIATE	WORKING	WORKING	WORKING	COMPLETE		2 MEDIUM	Engineering	Board of Education/Public Works	Multi-Year	Construction of quick-build solutions	-	Target schools with high-levels of walkers or schools on/near a highly utilized road or public transportation cooridor.	X	X		

CULTURE

NEW	Description	2024	2025	2026	2027	2028	2029	2030	2031+	Priority	Lead Entity	Supporting Entity	Frequency	Performance Metric	Accessibility	Equity	Staff Obs.	Funding Obs.2	Legis. Obs.	Additional Information
J	**Develop and execute a multi-media awareness campaign to educate people on safe roadway behavior.**									HIGH										
J1	Publish online and print public service announcements about Vision Zero.	INITIATE	COMPLETE	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	1 HIGH	Public Relations	Equity Advancement/Town Manager	As needed	Numbrer of published announcements.	Ensure announcements are accessible (i.e. ADA compliant, multi-lingual, and published electronicly and in print)	-	X	X		Target highly visible locations for drivers (billboards, gas stations) and popular areas (parks, community centers, community hubs).
J2	Maintain the West Hartford Vision Zero webpage on the town website as a central database for the Vision Zero Action Plan, progress reports, upcoming programs, related organizations, and contact methods.	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	1 HIGH	Town Manager	IT/Public Relations/Community Development/Engineering	As needed		Ensure announcements are accessible (i.e. ADA compliant, multi-lingual, and published electronicly and in print)	-				
J3	Design a campaign targeting distracted driving. (i.e., bumper sticker, PSAs, ads)	INITIATE	COMPLETE	-	-	-	-	-	-	1 HIGH	Public Relations	Police	Once		-	-	X	X		
J4	Collaborate with community groups to provide workshops and educational awareness campaigns tailored to specific topics related to Vision Zero and traffic safety.		INITIATE	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	1 HIGH	Public Relations	Equity Advancement/Town Manager	As needed	1 Workshop in 2024 and then 2 workshops per year for the following years.	Ensure announcements and meetings are accessible (i.e. ADA compliant, multi-lingual, and published electronicly and in print)	Identify specific strategies to engage BIPOC, disabled, senior, youth and LGBTQIA members. Provide targeted outreach to TEZs.	X			
J5	Fully develop recognizable Vision Zero branding and marketing strategy to be used in future reports, social media posts, and outreach materials.	COMPLETE	-	-	-	-	-	-	-	2 MEDIUM	Public Relations	Equity Advancement/Town Manager	Once		-	-		X		Branding should be updated with appropiate standards for different media types, standardized colors, and ADA accessibility.
J6	Build a multilingual Vision Zero outreach toolkit.	INITIATE	COMPLETE	-	-	-	-	-	-	2 MEDIUM	Equity Advancement	Public Relations	Once		-	-	X			
J7	Publish an online "Vision Zero Pledge" that allows community members to show their personal commitment to achieving zero deaths and serious injuries.		INITIATE	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	2 MEDIUM	Public Relations	Equity Advancement	Ongoing	Number of pleges submitted	Consider providing the pledge in multiple languages.		X			The Task Force has a draft of a pledge. The Town should also review Hoboken's pledge (https://www.vzhoboken.com/)
J8	Create and manage official West Hartford Vision Zero social media accounts to share resources and interact with community members.	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	2 MEDIUM	Public Relations	Town Manager/Equity Advancement	As needed	Number of post shared, number of page views.	Ensure announcements are accessible (i.e. ADA compliant, multi-lingual, and published electronicly and in print)	-	X			
J9	Host a workshop for professional media on how to best communicate information about traffic crashes and Vision Zero.	COMPLETE	-	-	COMPLETE	-	-	COMPLETE	-	2 MEDIUM	Public Relations	Town Manager/Equity Advancement	Once every 3 years		Include non-traditional meida and representatives of media that service the non-English speaking community.	Include non-traditional meida and representatives of media that service the non-English speaking community.	X			
J10	Conduct driver awareness sessions specific to Vision Zero for all town staff.		INITIATE	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	3 LOW	Police	Public Relations	Annually		-	-	X			Include a search for resources that would support formal training.
K	**Integrate Vision Zero education into West Hartford schools.**									HIGH										
K1	Work with students to develop a K-12 Vision Zero campaign that helps students understand the importance of road safety.	INITIATE	COMPLETE	-	-	-	-	-	-	1 HIGH	Board of Education/Police	Public Relations	Annually	Number of students egnaged	Work with students who are non-native English speakers to, where possible, create content in other languages.	Include BIPOC, disabled, senior, youth and LGBTQIA students.	X			
K2	Establish Vision Zero and Distracted Driving panels in schools to develop a traffic safety curriculum and oversee its implementation.		INITIATE	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	1 HIGH	Public Relations	Board of Education/Police	Annually	Number of panels held.	Work with students who are non-native English speakers to, where possible, create content in other languages.	Include BIPOC, disabled, senior, youth and LGBTQIA students.	X			
K3	Coordinate engagement and outreach with the development of the Safe Routes to School Program.	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	1 HIGH	Board of Education/Police	Public Relations	As needed	Number of Safe Routes to School plans developed	-	Identify schools within the TEZs and prioritize implementation of those areas.				
K4	Provide educational videos catered to students on Vision Zero.			INITIATE	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	2 MEDIUM	Public Relations	Board of Education/Police	As needed	Completion of videos; Number of students reached.	Work with students who are non-native English speakers to, where possible, create content in other languages.	Include BIPOC, disabled, senior, youth and LGBTQIA students.	X	X		
K5	Promote designated walk/bike to school days to encourage alternative transportation modes to cars.			INITIATE	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	3 LOW	Board of Education	Public Relations	As needed	Number of engagmeent envents / efforts.	-	Identify schools within the TEZs and prioritize implementation of those areas.				

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K6	Conduct information sessions with School District staff, especially school bus drivers, on safe roadway uses and their role in advancing Vision Zero.		INITIATE	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	1 HIGH	Board of Education/School Transportation	Public Relations/Police	As needed	Number of informational sesssions conducted	-	-	X		
L	**Establish the town as a leader in Vision Zero best behaviors.**									**MEDIUM**									
L1	Update the language in public-facing town documents to refer to "crashes," not "accidents." Ensure town staff refer to crashes instead of accidents.		COMPLETE	-	-	-	-	-	-	2 MEDIUM	Public Relations	Town Manager	As needed	Update of language	Create appropirate translations for these terms.	-			
M	**Promote non-motorized travel as a viable alternative to driving.**									**LOW**									
M1	Identify key locations within the VZFA that would improve people's ability to meet their daily needs without a car. Map and integrate into prioritization framework.			COMPLETE	-	-	-	-	-	1 HIGH	Engineeing	Equity Advancement	Once	Completion of analysis.	-	Incorporate an analysis of TEZs to ensure they are appropriately represented.			
M2	Develop an advertising strategy to promote how safety improvements are making West Hartford a better place to walk, bike, and take transit.			INITIATE	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	2 MEDIUM	Public Relations	Town Manager	Annually	Number of advertisements placed. Estimated number of people reached	Create advertisting that is accessible (i.e. ADA compliant, multi-lingual, and published electronicly and in print)	Advertise in areas and locations that inlclude TEZs	X	X	
M3	Work with major employers to promote alternative transportation modes and designated bike/walk to workdays.	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	2 MEDIUM	Public Relations		As needed	Number of major employers participating; Number of employees participating	-	-	X		
M4	Host guided bicycle rides for new bike facilities as they open.	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	3 LOW	Police	Public Relations	As needed	Number of guided rides conducted.	-	-	X		

DATA

NEW	Description	2024	2025	2026	2027	2028	2029	2030	2031+	Priority	Lead Entity	Supporting Entity	Frequency	Performance Metric	Accessibility	Equity	Staff Obs.	Funding Obs.2	Legis. Obs.	Additional Information
N	Report data to community members, town staff, and the state.									**HIGH**										
N1	Create a dashboard on the Vision Zero webpage to analyze the Action Plan's metrics and progress toward its goals.	COMPLETE	-	-	-	-	-	-	-	1 HIGH	Engineering	-	Once	Completion of dashaboard	-	-	X	X		
N2	Publish project updates, progress on actions, and program updates to the data dashboard.		INITIATE	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	1 HIGH	Engineering	Community Development	Ongoing	Publishing of report	-	-				
N3	Develop and publish an annual Vision Zero progress report focused on data-driven results and areas for improvement.	INITIATE	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	1 HIGH	Community Development	Engineering/Police/Public Relations/Board of Education	Annually	Publishing of report	-	-	X	X		
N4	Provide town crash data about serious injuries and deaths on the data dashboard when it is made publicly available.		INITIATE	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	2 MEDIUM	Police	IT	Ongoing	Timeliness of publishing	-	-				
O	Analyze data to improve the town's understanding of crash patterns.									**MEDIUM**										
O1	Update and modify the High Injury Network and Vision Zero Focus Area.			INITIATE	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	1 HIGH	Engineering	-	Every 3 years	Updates complete	-	-	X			Prioritize improvement areas using a crash weighting system, sliding window analysis, and Safer Streets Priority Finder (SSPF) Tool.
O2	Track and analyze trends in contributing factors identified on the HIN.			INITIATE	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	2 MEDIUM	Engineering	Police	As needed	Completion of assestments	-	-	X			Contributing factors should include crash type, weather conditions, road surface conditions, lighting conditions, intersection type, and driver actions.
O3	Compare traffic data before and after traffic calming interventions to assess effectiveness and refine future applications.			INITIATE	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	2 MEDIUM	Engineering	-	As needed	Completion of assestments	-	-	X			
O4	Identify nodes located near the HIN that attract trips by vulnerable users (schools, parks, transit hubs, health centers, trail crossings, etc.) to help prioritize implementation.	COMPLETE	-	-	-	-	-	-	-	2 MEDIUM	Engineering	-	Once	Completion of assestments	-	-		X		
P	Improve data diversity surrounding available crash data.									**LOW**										
P1	Solicit public input on perception of traffic safety when updates are made to the Vision Zero Focus Areas.			COMPLETE	-	-	-	-	COMPLETE	1 HIGH	Public Relations	Engineering	Every 3 years	Number of respondents	Create input options that are accessible (i.e. ADA compliant, multi-lingual, and published electronicly and in print)	Include assestements of participation rates of BIPOC, disabled, senior, youth and LGBTQIA respondents.				The survey should be widely distributed, including schools, businesses, community centers, and social media.
P2	Collect speed data on high crash corridors to identify where prevailing speeds exceed the posted speed limit.	INITIATE	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	1 HIGH	Engineering	Police	Ongoing	Number of studies performed / Percentage of VZFA assessed	-	-	X			
P3	Update and promote the town's online system for road users to report problem road areas, hazards, near misses, and the like. Publish that information on the data dashboard.		COMPLETE	-	-	-	-	-	-	2 MEDIUM	Public Relations	Public Works	As needed	Completion of udpdates	-	-				
P4	Advocate for better crash data collection Statewide. This may include improved police data collection on crash report forms, particularly for crashes involving non-motorists.	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	ONGOING	3 LOW	Police	-	Once	-	-	-				

APPENDIX B. VISION ZERO FOCUS AREA SEGMENT LIST

Vision Zero Focus Area Segments and Information

Road Segment ID	South / East Terminus	North / West Terminus	Priority	Length (Mi)	High-Injury Network (HIN)	Transportation Equity Zone (TEZ)	Frequent Webmap Comments	KSI Crash Total	Minor Injury Crash Total	Crashes Involving Pedestrians	Crashes Involving Bicyclists	Weighted Crash Score	Weighted Crash Score per Mile
Albany Ave 2	North Main Street	Trout Brook Drive	1	0.32	Yes	Yes	Yes	1	49	3	0	59	185
New Britain Ave 3	South Main Street	Mayflower Street	1	0.43	Yes	No	No	1	63	0	1	73	171
North Main St 3	Asylum Avenue	Albany Avenue	1	0.45	Yes	No	Yes	3	47	3	0	77	170
New Britain Ave 4	Mayflower Street	New Park Avenue	1	0.54	Yes	Yes	No	0	86	3	1	86	159
New Britain Ave 5	New Park Avenue	West Hartford Town Line	1	0.57	Yes	Yes	No	1	79	1	2	89	157
South Main St 4	Park Road	Farmington Avenue	1	0.64	Yes	No	Yes	3	68	5	1	98	153
Park Rd 1	South Main Street	Trout Brook Drive	1	0.44	Yes	No	Yes	1	52	0	1	62	142
New Park Ave	1,200 Ft S/O Talcott Road	Prospect Avenue	1	0.85	Yes	Yes	No	2	96	13	3	116	137
Farmington Ave 3	South Main Street	Robin Road	1	0.33	Yes	Yes	Yes	1	30	5	3	40	121
North Main St 1	Farmington Avenue	Fern Street	1	0.50	Yes	Yes	Yes	1	34	3	1	44	89
Boulevard 4	South Quaker Lane	Prospect Avenue	1	0.72	Yes	Yes	Yes	3	30	3	4	60	83
Trout Brook Dr 2	Trout Brook Terrace	600 Ft N/O Boulevard	1	0.37	Yes	Yes	Yes	0	28	0	0	28	77
North Main St 4	Albany Avenue	Huron Drive	1	0.53	Yes	Yes	Yes	0	40	4	0	40	75
Boulevard 3	Trout Brook Drive	South Quaker Lane	1	0.38	Yes	Yes	Yes	1	16	1	0	26	69
Park Rd 2	Trout Brook Drive	Nesbit Avenue	1	0.56	Yes	Yes	Yes	0	23	2	1	23	41
Park Rd 3	Nesbit Avenue	Prospect Avenue	2	0.56	Yes	Yes	No	3	47	3	3	77	137
New Britain Ave 2	Berkshire Road	South Main Street	2	0.47	Yes	Yes	No	0	62	1	1	62	132
South Main St 2	New Britain Avenue	Bentwood Road	2	0.53	Yes	Yes	No	0	60	0	0	60	112
Albany Ave 3	Trout Brook Drive	Sequin Road	2	0.52	Yes	No	Yes	2	35	0	0	55	105
Prospect Ave	New Park Avenue	Park Road	2	0.81	Yes	Yes	No	0	82	3	1	82	102
Trout Brook Dr 6	300 Ft N/O Asylum Avenue	Albany Avenue	2	0.52	Yes	No	Yes	2	31	0	1	51	99
Boulevard 2	South Main Street	Trout Brook Drive	2	0.39	Yes	No	Yes	0	35	0	0	35	90
Kane St	Oakwood Avenue	Prospect Avenue	2	0.36	Yes	Yes	No	0	31	0	1	31	86
South Quaker Ln 1	New Britain Avenue	Hampton Avenue	2	0.80	Yes	Yes	No	3	37	0	1	67	84
North Main St 2	Fern Street	Asylum Avenue	2	0.72	Yes	No	Yes	2	38	0	2	58	81
Flatbush Ave	South Quaker Lane	West Hartford Town Line	2	0.67	Yes	Yes	No	1	43	4	2	53	79
South Main St 3	Rockledge Drive	Park Road	2	0.59	Yes	No	Yes	1	36	1	0	46	78
Newington Rd	Brook Street	New Britain Avenue	2	0.61	Yes	Yes	No	1	32	1	0	42	69

Vision Zero Focus Area Segments and Information

Road Segment ID	South / East Terminus	North / West Terminus	Priority	Length (Mi)	High-Injury Network (HIN)	Transportation Equity Zone (TEZ)	Frequent Webmap Comments	KSI Crash Total	Minor Injury Crash Total	Crashes Involving Pedestrians	Crashes Involving Bicyclists	Weighted Crash Score	Weighted Crash Score per Mile
Albany Ave 1	Coolidge Road	North Main Street	2	0.56	Yes	No	Yes	1	26	1	0	36	64
Farmington Ave 2	Reservoir Avenue	South Main Street	2	0.66	Yes	No	Yes	1	29	5	2	39	59
Boulevard 1	Garfield Road	South Main Street	2	0.78	Yes	No	Yes	1	34	0	0	44	56
Farmington Ave 4	Robin Road	Maplewood Avenue	2	0.41	Yes	No	Yes	0	12	0	0	12	29
South Quaker Ln 2	Wilfred Street	White Avenue	2	0.20	Yes	Yes	No	0	4	0	0	4	20
New Britain Ave 1	Westfarms Mall Driveway	Berkshire Road	3	0.61	Yes	No	No	0	53	1	0	53	87
South Main St 1	Calvin Road	New Britain Avenue	3	0.57	Yes	No	No	1	37	1	0	47	83
Albany Ave 4	Sequin Road	Prospect Avenue	3	0.82	Yes	No	No	3	31	2	0	61	75
Sedgwick Rd	Tunxis Road	South Main Street	3	0.57	Yes	No	No	1	29	0	0	39	69
King Phillip Dr	Albany Avenue	Lyman Road	3	0.60	No	Yes	Yes	1	27	0	0	37	62
Raymond Rd	Park Road	Farmington Avenue	3	0.59	Yes	No	No	0	36	3	0	36	61
Trout Brook Dr 4	Farmington Avenue	Fern Street	3	0.46	No	Yes	Yes	0	28	1	2	28	61
South Quaker Ln 3	Park Road	Farmington Avenue	3	0.61	No	Yes	Yes	1	27	1	2	37	60
North Main St 5	Huron Drive	Tumblebrook Lane	3	0.64	No	Yes	Yes	1	21	0	0	31	49
Fern St 3	Linwold Drive	Robin Road	3	0.31	No	Yes	Yes	0	13	0	0	13	41
Fern St 5	Farnham Road	Concord Street	3	0.40	No	Yes	Yes	0	15	0	0	15	38
Ridgewood Rd	I-84 Exit 40	Miles Standish Drive	3	0.40	Yes	No	No	0	7	0	0	7	17
Fern St 2	Walden Street	Sylvan Avenue	3	0.27	No	Yes	Yes	0	2	0	1	2	7
Walden St 2	Whitman Avenue	Fern Street	3	0.25	No	Yes	Yes	0	1	1	0	1	4
Trout Brook Dr 3	600 Ft N/O Boulevard	Farmington Avenue	4	0.31	No	No	Yes	0	25	1	3	25	80
Asylum Ave 1	Blue Ridge Lane	Trout Brook Drive	4	0.62	No	No	Yes	2	24	0	0	44	71
Trout Brook Dr 5	Fern Street	300 Ft N/O Asylum Avenue	4	0.73	No	No	Yes	0	31	0	0	31	43
Asylum Ave 2	Trout Brook Drive	Foxcroft Road	4	0.58	No	No	Yes	0	24	0	1	24	41
North Main St 6	Tumblebrook Lane	West Hartford Town Line	4	0.27	No	No	Yes	0	11	0	0	11	41
Lasalle Rd	Ellsworth Road	Farmington Avenue	4	0.20	No	No	Yes	0	8	2	0	8	40
Farmington Ave 1	Reservoir Avenue	Cadwell Street	4	0.70	No	No	Yes	0	22	0	0	22	31
Mountain Road	Buena Vista Road	High Farms Road	4	0.90	No	No	Yes	0	27	2	1	27	30

Vision Zero Focus Area Segments and Information

Road Segment ID	South / East Terminus	North / West Terminus	Priority	Length (Mi)	High-Injury Network (HIN)	Transportation Equity Zone (TEZ)	Frequent Webmap Comments	KSI Crash Total	Minor Injury Crash Total	Crashes Involving Pedestrians	Crashes Involving Bicyclists	Weighted Crash Score	Weighted Crash Score per Mile
Fern St 4	Robin Road	Farnham Road	4	0.49	No	No	Yes	0	14	0	0	14	29
Trout Brook Dr 1	Elm Drive	Trout Brook Terrace	4	0.43	No	No	Yes	0	6	0	0	6	14
Woodrow St	Boulevard	Farmington Avenue	4	0.30	No	No	Yes	0	4	0	2	4	13
Fern St 1	Fernbel Lane	Walden Street	4	0.43	No	No	Yes	0	4	0	0	4	9
Walden St 1	Farmington Avenue	Whitman Avenue	4	0.29	No	No	Yes	0	0	0	0	0	0

APPENDIX C. HIGH INJURY NETWORK METHODOLOGY

MEMORANDUM

January 5, 2024

To:
Duane Martin, PE – Town of West Hartford
Greg Sommer, PE – Town of West Hartford

From:
Ben Silverstein – Toole Design
Parker Sorenson, PE – FHI Studio
Shawna Kitzman – Toole Design

Re: West Hartford Vision Zero Safety Assessment Results and Methodology

Executive Summary

This memo describes the data sources and methodology used in the crash analyses performed for the Vision Zero Action Plan, including the High Injury Network (HIN) creation, contributing factor analysis, Transportation Equity Zones, and local road crash analysis.

While the total number of crashes in West Hartford, excluding I-84, has decreased since 2018, the number of fatal and serious injury crashes has increased. The project team used five years of crash data and a sliding window analysis to identify road segments with a history of pedestrian, bicyclist, and motorist crashes, and identified high-risk road segments using a predictive analysis.

The top scoring segments in each of these analyses are included in the HIN, which contains 56% of all fatal and serious injury crashes on 9% of roadway miles, with a total of 20 miles identified. While there are fatal and serious injury crashes that occurred outside the HIN, these generally occurred in areas where there are fewer nearby crashes resulting in injury. The HIN seeks to identify roadway segments which have an established trend of crashes resulting in a fatality, serious injury, or other injury.

Additionally, while local roads generally do not show up in the HIN given their relatively low vehicle volumes and numbers of crashes, the project team performed an analysis to identify areas with more local road crashes. Both the HIN and the local road crash analysis are components of the Vision Zero Focus Areas (VZFA) in the Vision Zero Action Plan.

Crash and Street Network Data Sources

The project team sourced crash data from Connecticut's Statewide Data Repository. The raw data includes all crashes in West Hartford that occurred between 1/1/2018 and 12/31/2022. Crashes that occurred on I-84, I-84 ramps, parking lots or other private property, or Prospect Avenue north of Park Road (City of Hartford jurisdiction) are not included. Crashes at the intersection of I-84 ramps and Town streets are included. Crash data on Prospect Avenue coded in Hartford were also evaluated if the crash occurred on Prospect Avenue south of Park Road or at an intersection between Town streets and Prospect Avenue north of Park Road (such as Farmington Avenue).

The Town of West Hartford provided centerline data. The project team added Annual Average Daily Traffic (AADT) data to the street centerline from Connecticut Department of Transportation (CTDOT) data, where available.

Summary Crash Trends

In the five-year study period, the total number of crashes has trended downwards across all modes, as shown in Table 1. However, crashes resulting in a fatality or serious injury have increased over the same period, as shown in Table 2.

Year	Motorist Crashes	Pedestrian Crashes	Bicyclist Crashes	Total Crashes
2018	1,453	21	12	1,486
2019	1,354	20	9	1,383
2020	890	13	8	911
2021	1,094	19	7	1,120
2022	1,038	11	7	1,056

Table 1: All crashes by mode and year[1]

Year	Motorist Crashes	Pedestrian Crashes	Bicyclist Crashes	Total Crashes
2018	5	1	0	6
2019	5	0	0	5
2020	4	3	1	8
2021	11	2	0	13
2022	10	6	0	16

Table 2: Fatal and serious injury crashes by mode and year

These crash trends are similar to statewide trends. Figure 1 on the following page shows the change in the total number of crashes over time for West Hartford and Connecticut, relative to 2018. In both cases, the total number of crashes has decreased since 2018, with West Hartford experiencing slightly greater decline. However, both the state and West Hartford have experienced an upward trend in fatal and serious injury crashes since 2018, though West Hartford's increase is much greater in relative terms, as shown in Figure 2.

[1] Fewer crashes reported in 2020 due to lower vehicle volumes after the onset of the COVID-19 pandemic

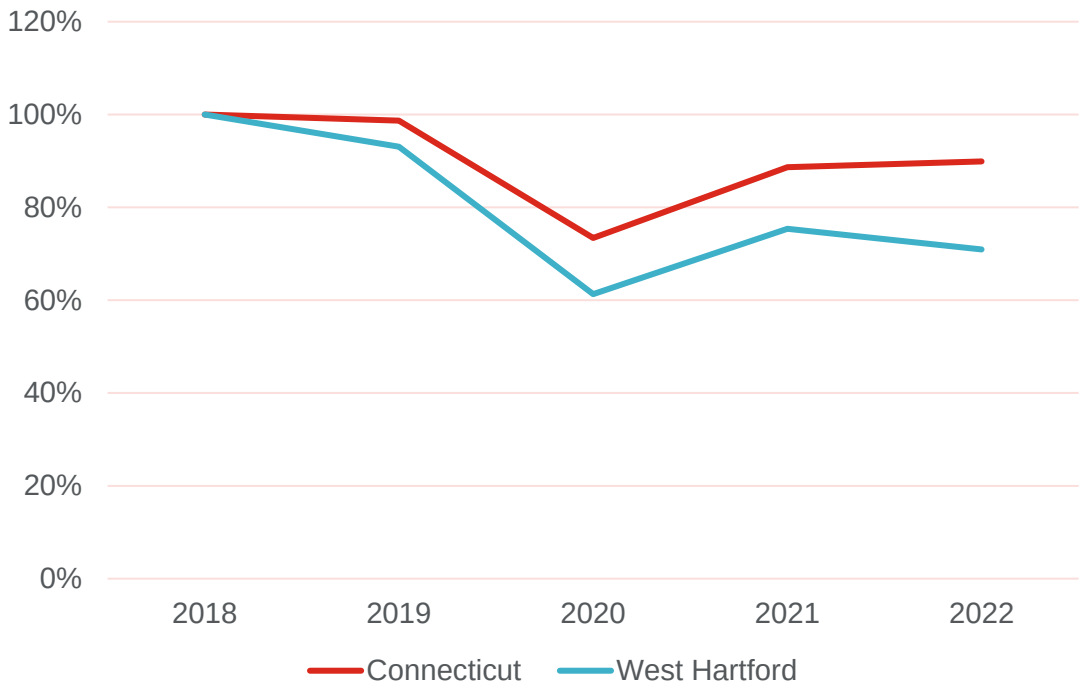


Figure 1: West Hartford and statewide change in crashes relative to 2018

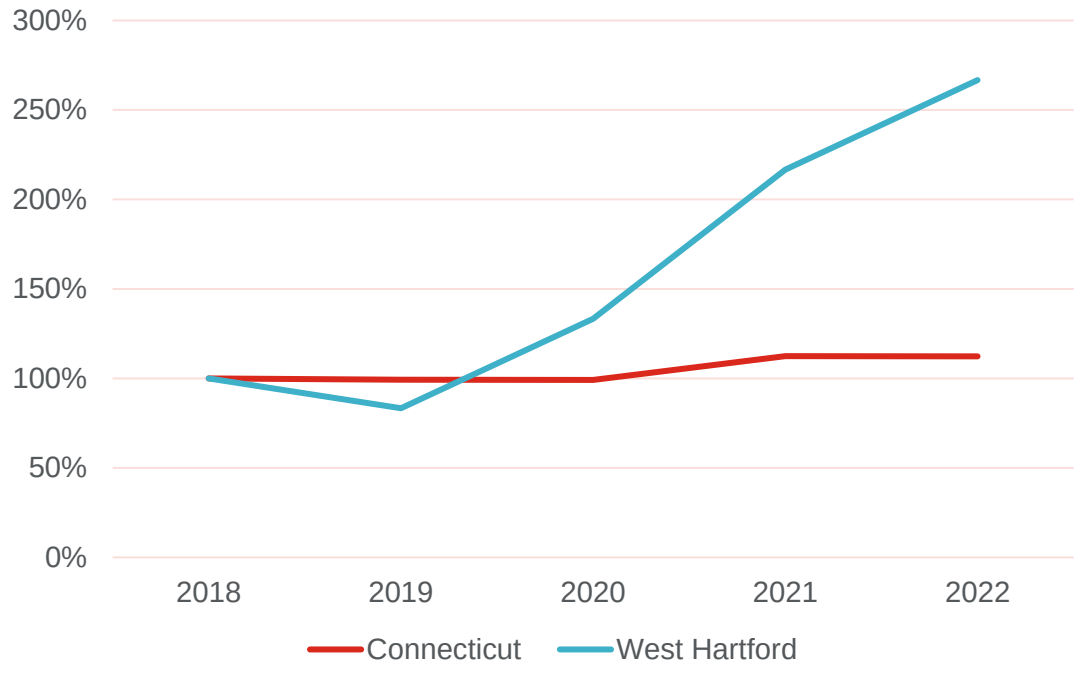


Figure 2: West Hartford and statewide fatal and serious injury crashes relative to 2018

Table 3 shows the number of crashes by collision type, separated by mode. Angle crashes were the most common collision type with 2,246 crashes, though less than 0.01% resulted in a fatality or serious injury. By contrast, there were 114 front to front collisions, 5% of which resulted in a fatality or serious injury. Seventy-one percent of all reported motorist crashes resulted in property damage only.

Motorist Collision Type	Fatality	Serious Injury	Minor Injury	Possible Injury	Property Damage Only	TOTAL
Angle	1	14	293	390	1,548	**2,246**
Front to front	1	5	28	16	64	**114**
Front to rear	-	5	219	437	1,188	**1,849**
Fixed object	-	8	86	72	470	**636**
Sideswipe, opposite direction	-	-	5	10	59	**74**
Sideswipe, same direction	-	1	29	30	596	**656**
Rear to side	-	-	4	3	62	**69**
Rear to rear	-	-	3	3	22	**28**
Other	-	-	33	17	88	**138**
Unknown	-	-	-	-	19	**19**
MOTORIST COLLISION TOTAL	**2**	**33**	**700**	**978**	**4,116**	**5,829**

Bicycle and Pedestrian Crashes	Fatality	Serious Injury	Minor Injury	Possible Injury	Property Damage Only	TOTAL
Crashes involving pedestrians	5	7	33	30	9	**84**
Crashes involving bicyclists	0	1	23	15	4	**43**
BICYCLE AND PEDESTRIAN CRASH TOTAL	5	8	56	45	13	**127**
GRAND TOTAL	**7**	**41**	**756**	**1,023**	**4,129**	**5,956**

Table 3: Crashes by collision type

Bicycle and pedestrian crashes were more likely to result in a fatality or serious injury than motorist crashes. For both modes, about 90% of all crashes result in an injury of some form, and 14% of all pedestrian crashes resulted in a fatality or serious injury, shown in Figure 3: Crash severity by mode.

As fatal and serious injury crashes make up a small percentage of the overall number of crashes, the project team factored in all crashes resulting in injury when developing the HIN. Fatal and serious injury crashes were weighted more heavily in the analysis, as described in the Crash Weighting section.

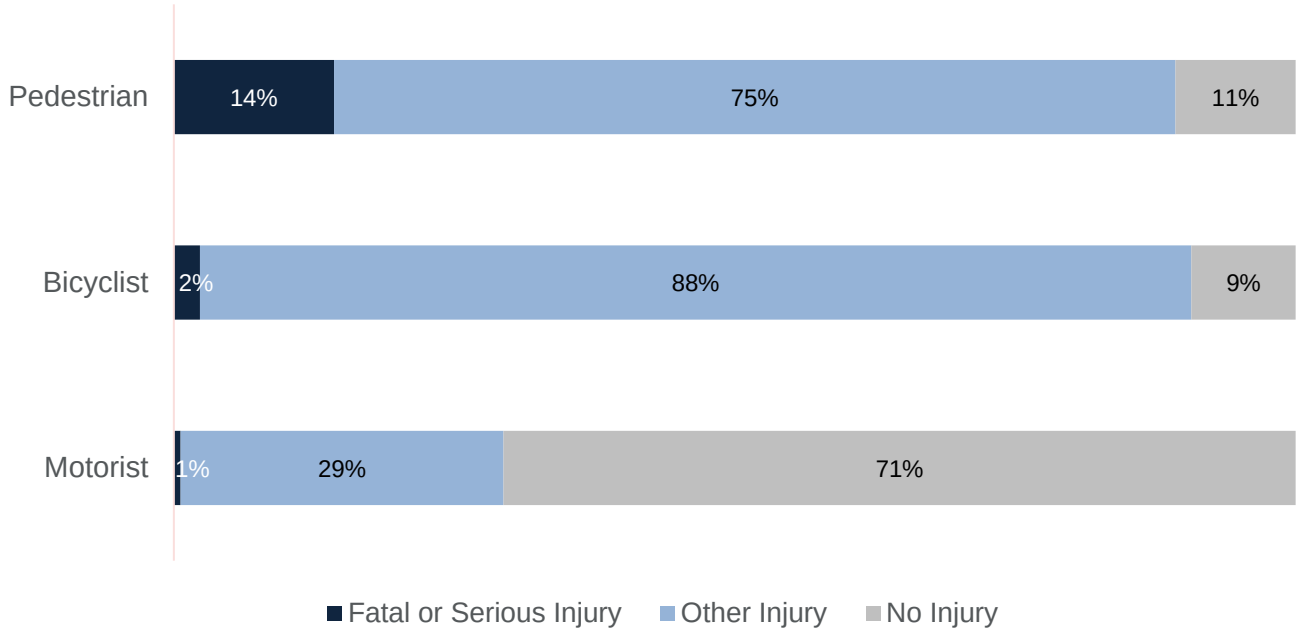


Figure 3: Crash severity by mode

High Injury Network Identification

Background

Vision Zero plans typically include a High Injury Network (HIN) to focus efforts on the streets with crashes resulting in injury. A particular focus on streets with crashes resulting in a high number of fatalities and serious injuries (sometimes referred to as KSI crashes, or crashes resulting in someone killed or seriously injured) is also considered. The HIN is not the only method to identify geographic focus areas for the West Hartford Vision Zero Action Plan; others include Transportation Equity Zones, Local Road Analysis Area, and public input captured in the webmap survey. The HIN will help identify and prioritize road segments for Road Safety Audits, facility recommendations, and additional analysis for the plan. This technical memorandum explains the methodology to create the HIN, developed based on national Vision Zero and Safety Action Plans best practices, and West Hartford's unique context.

Crash Weighting

Before identifying an HIN, the team established a weighting methodology for crashes resulting in different injury severity. This prioritizes areas where the most severe crashes occur. The weighting is based on dollar-value estimates of each injury and/or fatality by the National Safety Council (NSC) in their 2021 Average Economic Cost of Motor-Vehicle crashes by Injury Severity[2]. The NSC establishes dollar figures for a crash with one of the five severity levels as indicated in Table 4 on the following page.

[2] https://injuryfacts.nsc.org/all-injuries/costs/guide-to-calculating-costs/data-details/

Crash Severity	2021 Average Economic Cost
Fatal (K)	$1,778,000
Serious Injury (A)	$155,000
Minor Injury (B)	$40,000
Possible Injury (C)	$24,000
Property Damage Only (O)	$6,700

Table 4: Average economic cost by injury severity or crash, 2021
(Source: NSC. Note: Table modified to match crash naming convention used in this memo)

Due to a relatively few number of fatal crashes, our team combined and collectively weighted crashes resulting in serious injury and fatality (KSI) for the HIN identification. The reasoning is:

1) Crashes resulting in serious injury are the most serious crashes that do not result in fatality. Often, the factors which result in serious injury could have resulted in fatality with small changes to the circumstances of the crash or post-crash care.
2) The limited number of fatal crashes in the dataset (seven overall) would make identification of the HIN overly sensitive to any one fatal crash. By grouping KSI crashes together, there is a dataset of 48 crashes over a 5-year period for which to identify the HIN. This reduces the sensitivity of any one-off fatal crash that may not be a part of a roadway network trend.

The weighted average of each category is derived based on the number of crashes in each severity category over the 5-year dataset. Based on a total of seven fatal crashes and 41 severe injury crashes, the weighted economic cost based on the NSC would be $391,688, using the formula below:

$$\text{Average Economic Cost}_{Fatal+Serious\ Injury\ Crashes} = \frac{Number\ of\ Fatal\ Crashes * \$1{,}778{,}000 + Number\ of\ Serious\ Injury\ Crashes * \$155{,}000}{Number\ of\ Fatal\ Crashes + Number\ of\ Serious\ Injury\ Crashes}$$

Similarly, based on a total of 756 minor injury crashes and 1,023 possible injury crashes, the weighted economic cost based on the NSC data would be $30,799, using the formula below:

$$\text{Average Economic Cost}_{Minor+Possible\ Injury\ Crashes} = \frac{Number\ of\ Minor\ Injury\ Crashes * \$40{,}000 + Number\ of\ Possible\ Injury\ Crashes * \$24{,}000}{Number\ of\ Minor\ Injury\ Crashes + Number\ of\ Possible\ Injury\ Crashes}$$

The ratio of these weights are 12.7:1 ($391,688 / $30,799), rounded down to 10:1 for this analysis. The weights are shown in Table 5 on the following page.

Severity	Weight
Fatal (K), Serious Injury (A)	10
Minor Injury (B), Possible Injury (C)	1
Property Damage Only (O)	0

Table 5: Crash weighting used for HIN identification

Sliding Window Analysis

A sliding window analysis helps us understand crashes throughout a transportation network and identify roadway segments with the highest crash density, weighted by crash severity. This analysis is performed by determining the number and severity of crashes in a **half-mile window** on a roadway and shifting that window along the roadway **1/10th of a mile** at a time. An example of a sliding window analysis is shown in Figure 4 below.

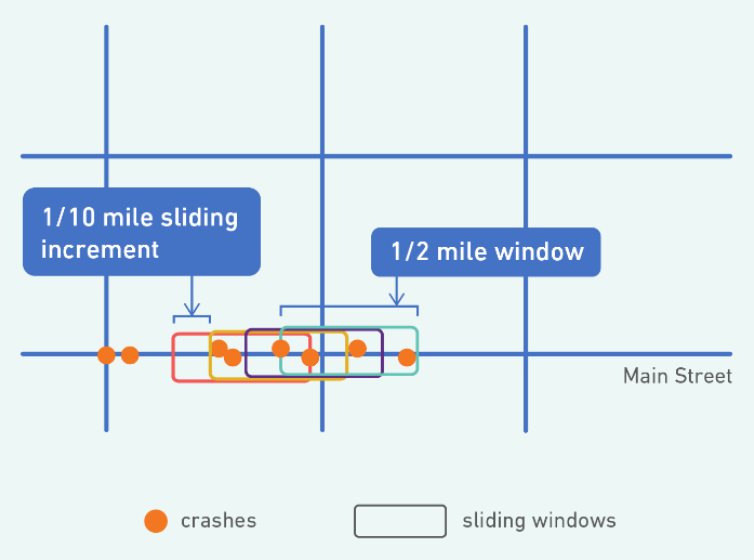


Figure 4: Visual representation of a sliding window analysis (Source: Toole Design)

This analysis assigns each 1/10th-mile roadway segment with a score based on the number and severity of injury crashes within one half-mile along the same corridor. For example, if a 1/10th-mile segment had 4 crashes within one-half mile in either direction, on the same street, and 3 of them resulted in minor injuries while 1 resulted in a serious injury, the score for that segment is calculated as follows: 3 + (1 * 10) = 3 + 10 = 13.

The scored results are illustrated in the following sliding window analysis maps for pedestrians, bicyclists, and motorists. Roadway segments with thicker and darker lines represent portions of the roadway network that have a higher concentration of overall crashes and fatal or serious injury crashes.

Figure 8 on page 11 shows the motorist crash rate, calculated by dividing the motorist score on each segment by the AADT where data is available from CTDOT. This step identifies places with high numbers of crashes relative to vehicle volumes, but not high numbers of crashes in absolute terms, and therefore may have easier engineering solutions relative to other segments.

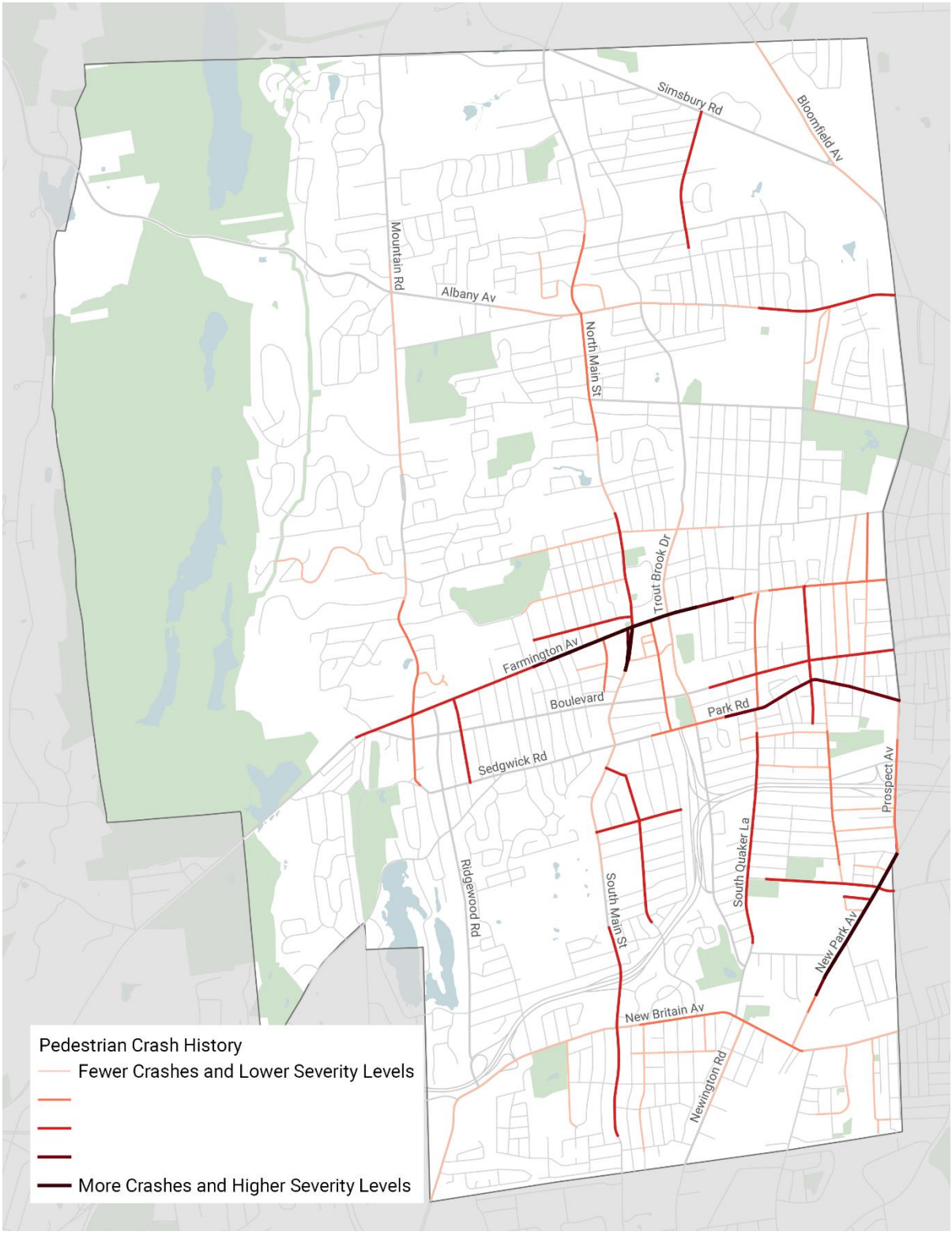


Figure 5: Pedestrian sliding window analysis results

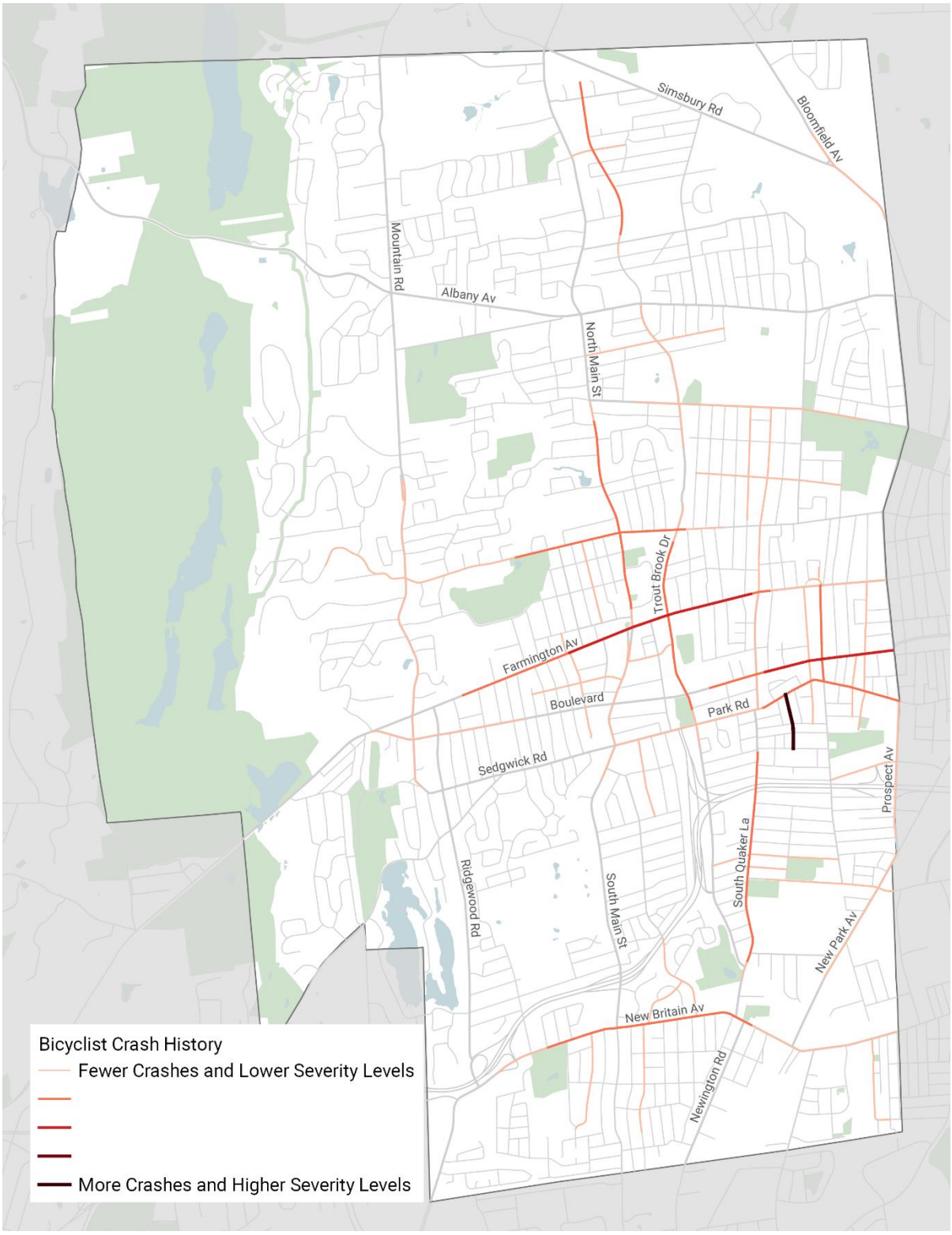


Figure 6: Bicyclist sliding window analysis results

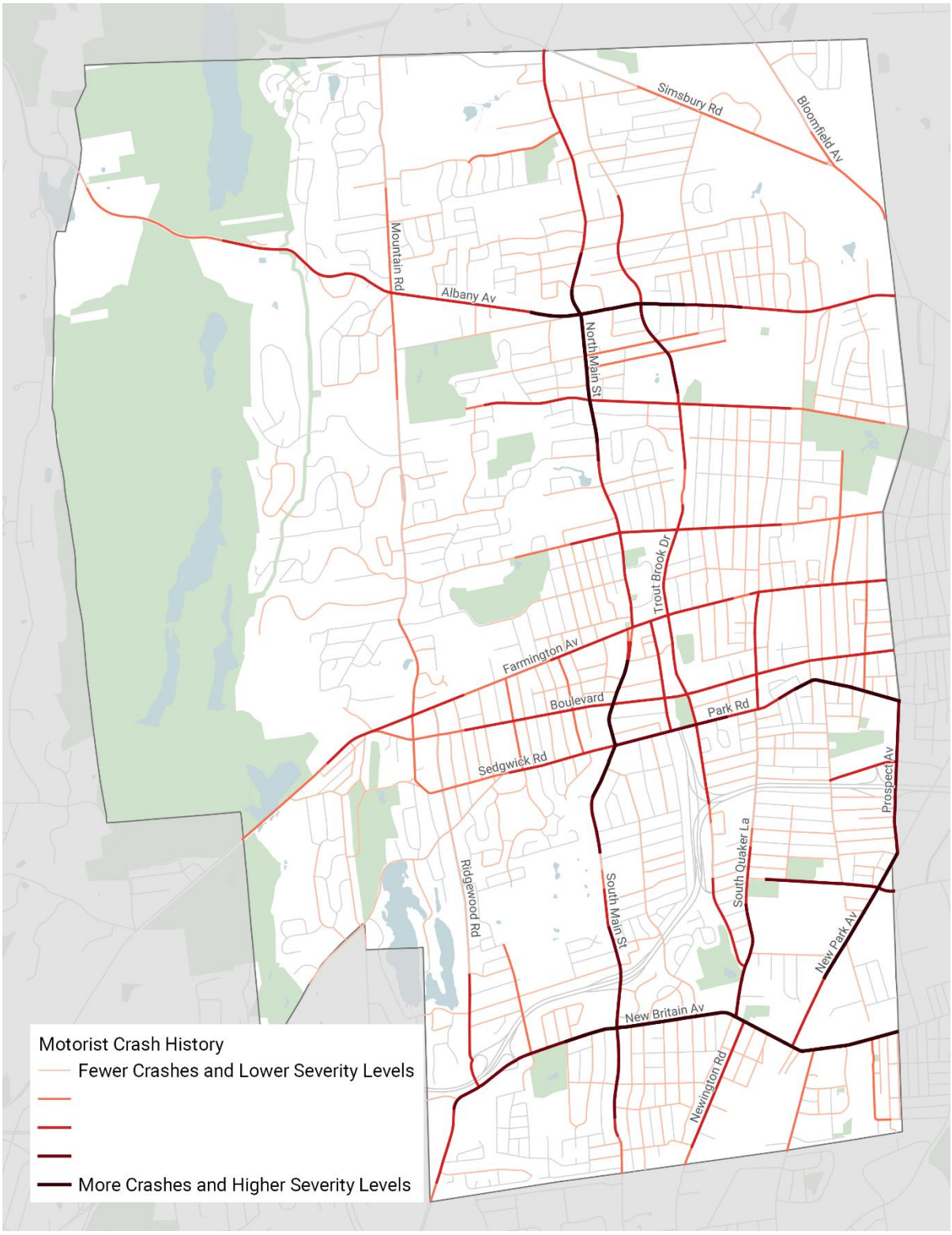


Figure 7: Motorist sliding window analysis results

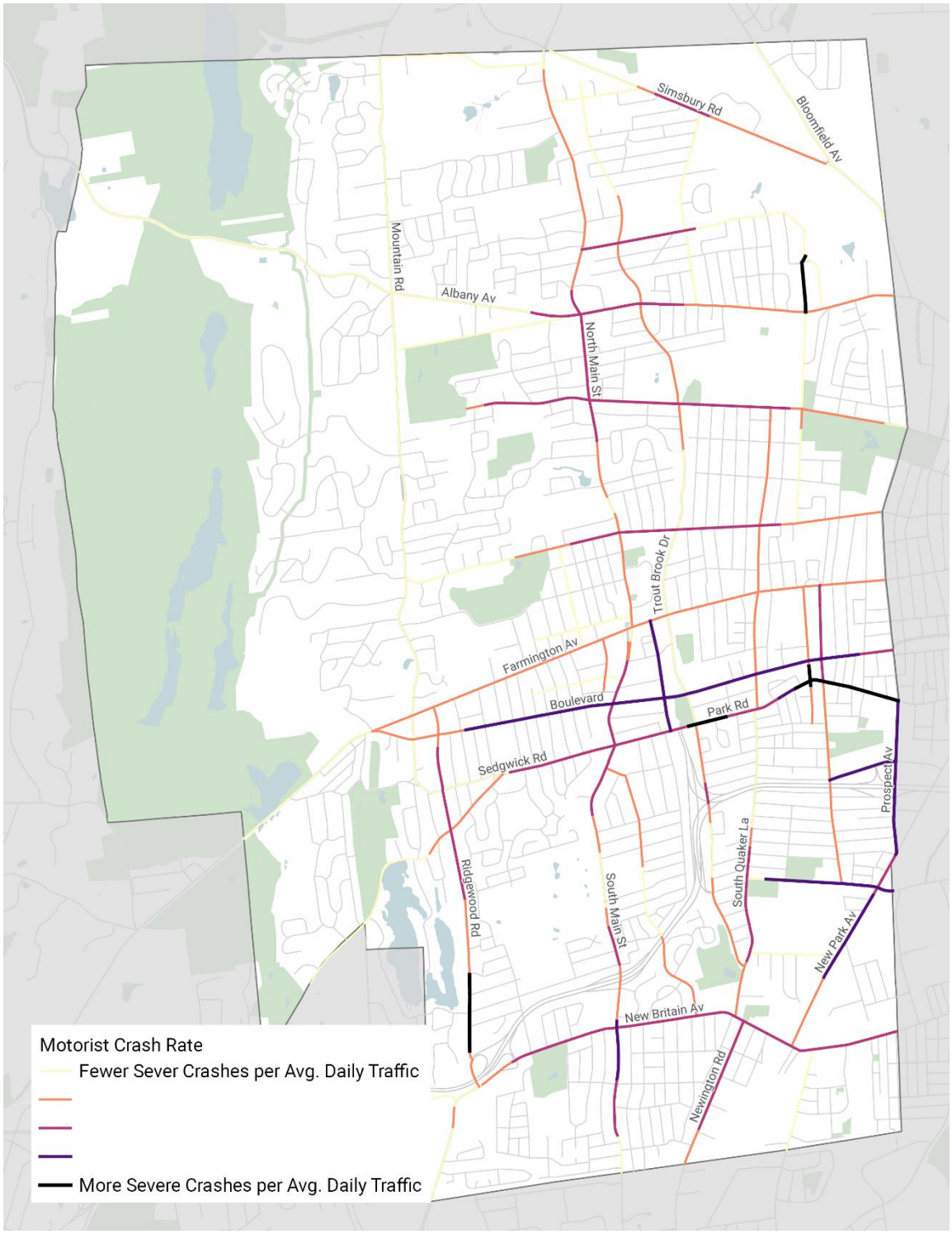


Figure 8: Motorist crash rate – Motorist score divided by AADT

Predictive Analyses

The project team used the predictive modeling capabilities of the SSPF Tool to identify higher-risk road segments. This section details the methodology and results from this analysis.

SSPF Tool Background

Toole Design, in collaboration with the City of New Orleans, University of New Orleans Transportation Institute, and New Orleans Regional Transit Authority, developed the Safer Streets Priority Finder Tool[3] (i.e., SSPF Tool). The SSPF Tool is a free, interactive, open-source resource that help transportation practitioners identify a street network throughout the U.S. that has a higher likelihood of experiencing fatal or serious injury crashes, similar to a HIN, for bicyclists and pedestrians. The network goes further than a typical HIN by factoring in areas with a disproportionate history of fatal and serious injury crashes and areas that have factors likely to contribute to future risk.

Safer Streets Model

The Safer Streets Model brings the roadway network window segments (produced in the Sliding Windows Analysis) into a Bayesian statistical framework to estimate crash risk throughout the system. This framework incorporates external information about how many crashes might be expected (called a Bayesian prior). This is based on a national model that identifies key built environment and socio-economic variables associated with pedestrian risk in urban and rural areas, alongside the observed crash history. The model estimates pedestrian and bicycle crash risk rates per mile for each road segment and crash severity type (e.g., serious injury). These values are then converted to crash cost estimates based on costs assigned to each crash severity type. The Safer Streets Model only models bicycle and pedestrian crashes. The model cannot estimate or model future motor vehicle or motorcycle crashes at this time.

[3] https://www.saferstreetspriorityfinder.com/tool/

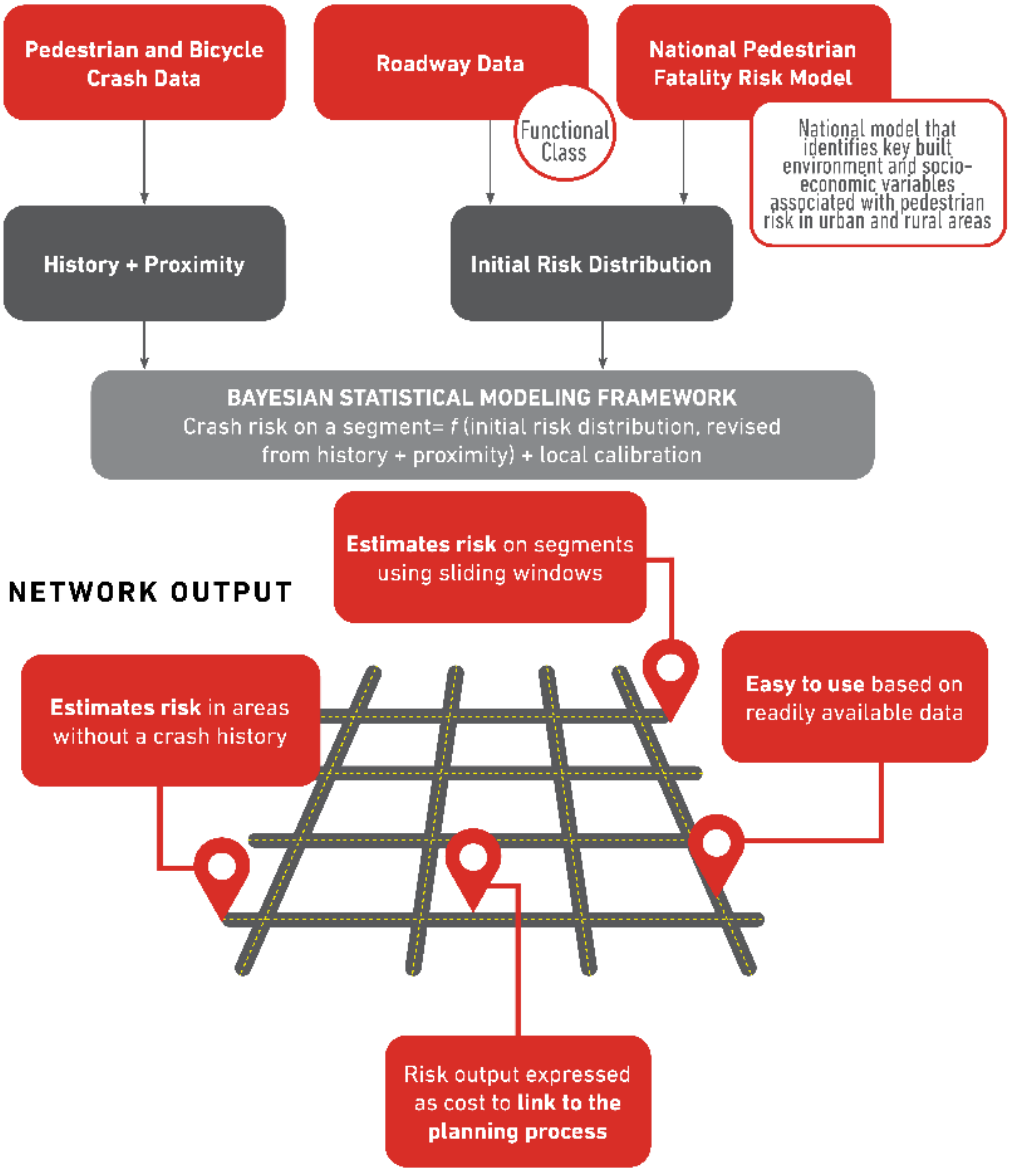


Figure 9: Safer Streets Model process diagram

Safer Streets Model Results

The following maps show the results of the Safer Streets Model for West Hartford pedestrians and bicyclists.

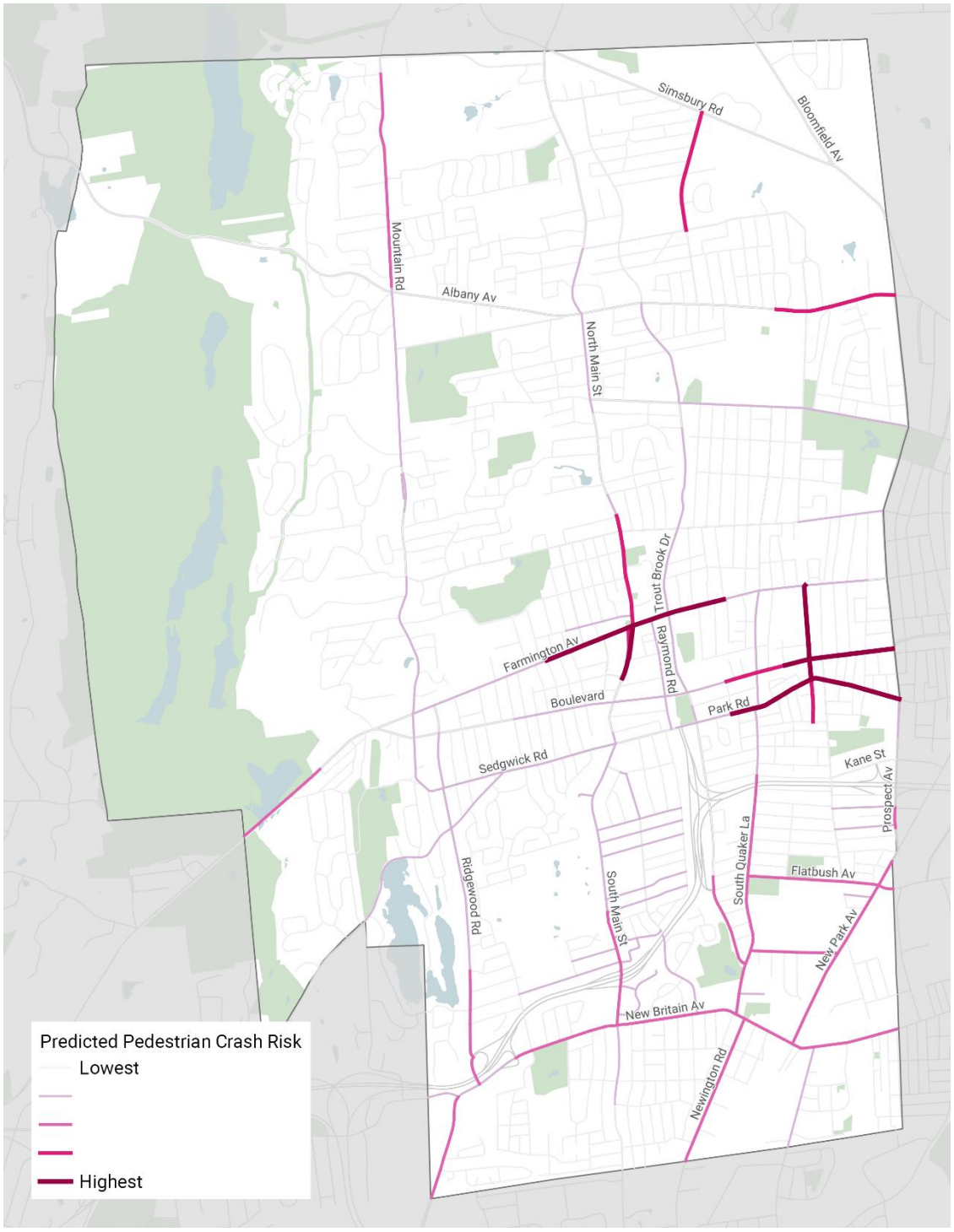


Figure 10: Pedestrian Safer Streets Model results

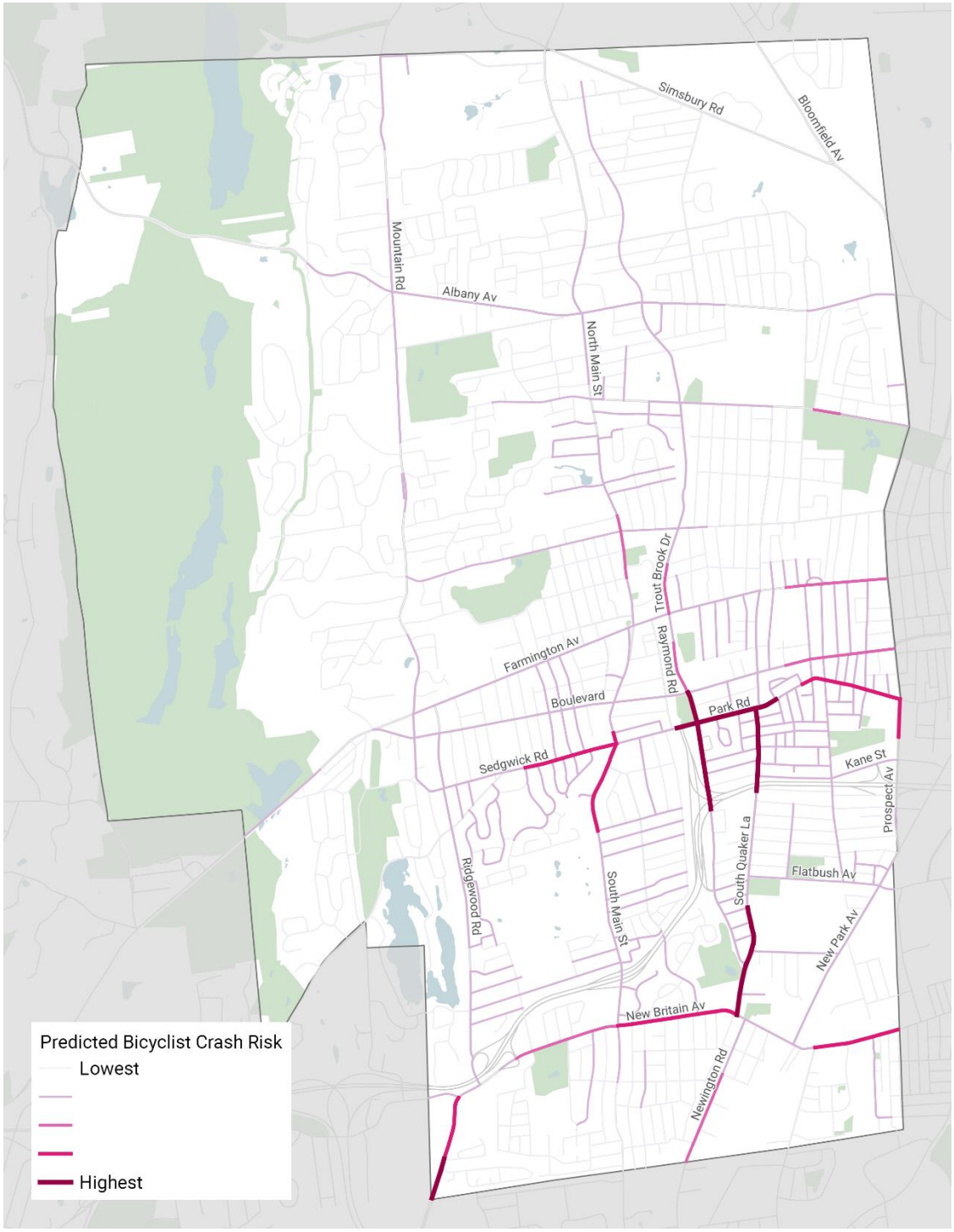


Figure 11: Bicyclist Safer Streets Model results

High Injury Network Development

The following steps describe the overall process to determine the HIN. The combination of several analyses, including sliding window and predictive analyses, are explained in more detail on pages 7 and 12, respectively.

Initial Analyses

1) Divide all West Hartford roads into 1/10th-mile segments for the initial analyses and HIN development.
2) Run sliding window analyses for each mode, which scores the 1/10th-mile segments based on the number and severity of crashes within one-half mile on the same street, using the weighting scheme described in the previous section. These analyses are described in more detail in the prior Sliding Window Analysis section.
3) Additionally, for motorist crashes, divide the score on each segment by the AADT where data is available from the Connecticut Department of Transportation. This step identifies places with high numbers of crashes relative to vehicle volumes, but not high numbers of crashes in absolute terms.
4) Perform predictive analyses for pedestrian and bicyclist modes based on street network attributes and socioeconomic factors. More detail on the predictive analyses is in the prior Predictive Analyses section. The resulting predicted risk scores for each mode are applied to the 1/10th-mile segments.

HIN Development

1) Establish a target length of the HIN based on Town and project team. While increasing the HIN length may increase the total number of crashes included in the HIN, ***it reduces the focus on the street segments with the worst crash history***. This tradeoff must be considered to select a reasonable number of street segments for which the Town can commit to addressing prioritized improvements. Working as a team, we identified **20-miles** of HIN as a manageable target over the 10-year life of the Vision Zero Action Plan.
2) Evaluating each mode separately, filter for 1/10th-mile segments with at least 2 injury crashes within ½-mile (i.e., segments where there is a nearby trend of crashes resulting in injury).
3) Using the same threshold for all six criteria, identify the percentile threshold to achieve the target HIN distance. In this case, we identified the top 60% of segments, using the same threshold for each analysis.
4) Combine all resulting segments to create the HIN, with a total length of 20 miles.

Management of the HIN should be addressed using strategies outlined in the Data section of the Vision Zero Action Plan. Regular updates, such as at 3- or 5-year intervals, should account for adjustments to the HIN as implemented actions improve roadway safety.

Figure 12 illustrates these steps to develop the HIN after completing the initial analyses.

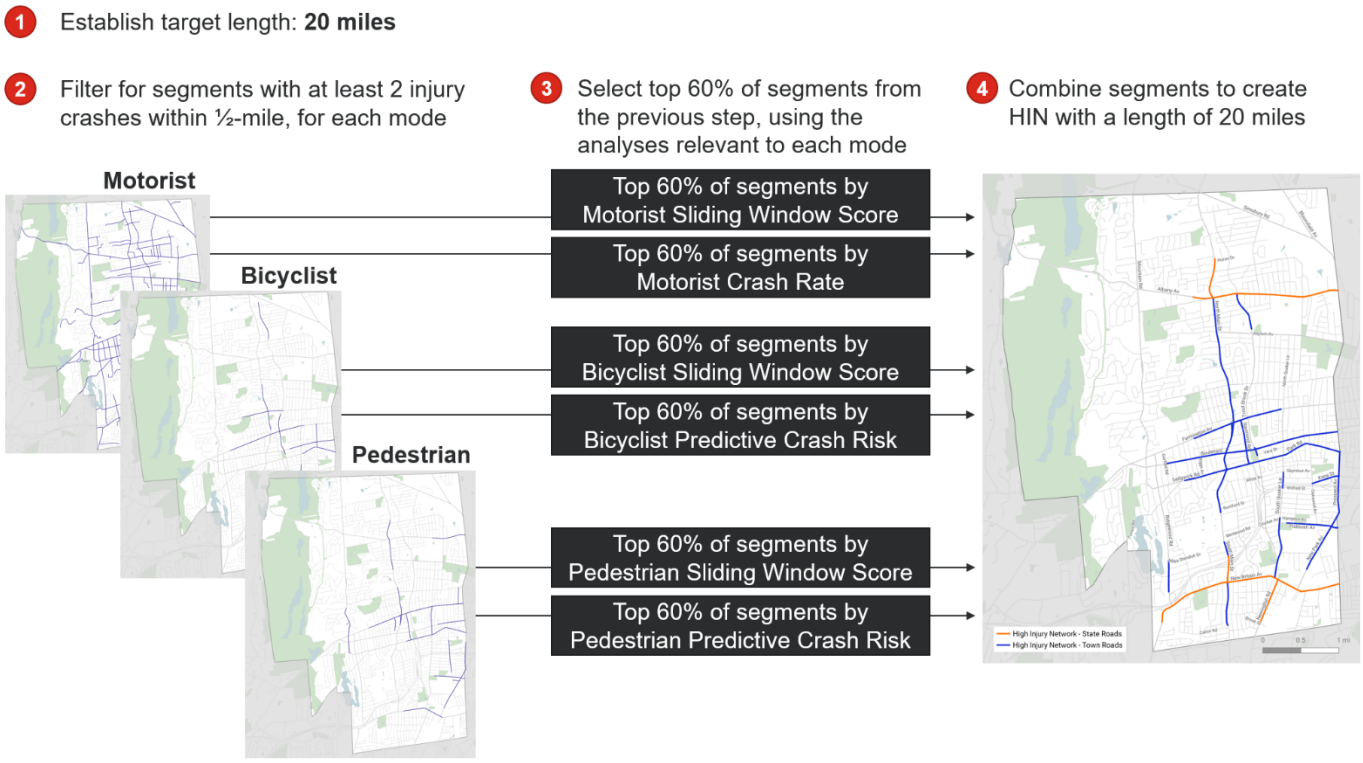


Figure 12: Visual representation of the HIN development process

High Injury Network Results

The project team created the HIN using the results of the above analyses and the HIN development methodology shown in Figure 12. Any gaps in the HIN with a length of 1/10th-mile or shorter are filled in for continuity. Additionally, short segments on streets that only had injury crashes at intersections with other HIN corridors were removed, as these intersections will be addressed by the intersecting street. Short segments on three streets met these criteria: Darcy Street (intersecting New Park Avenue), North Steele Road (short segment north of Albany Avenue), and Whiting Lane (short segment between Boulevard and Park Road).

Figure 13 shows the resulting HIN. This map also identifies which of the HIN segments are state-maintained.

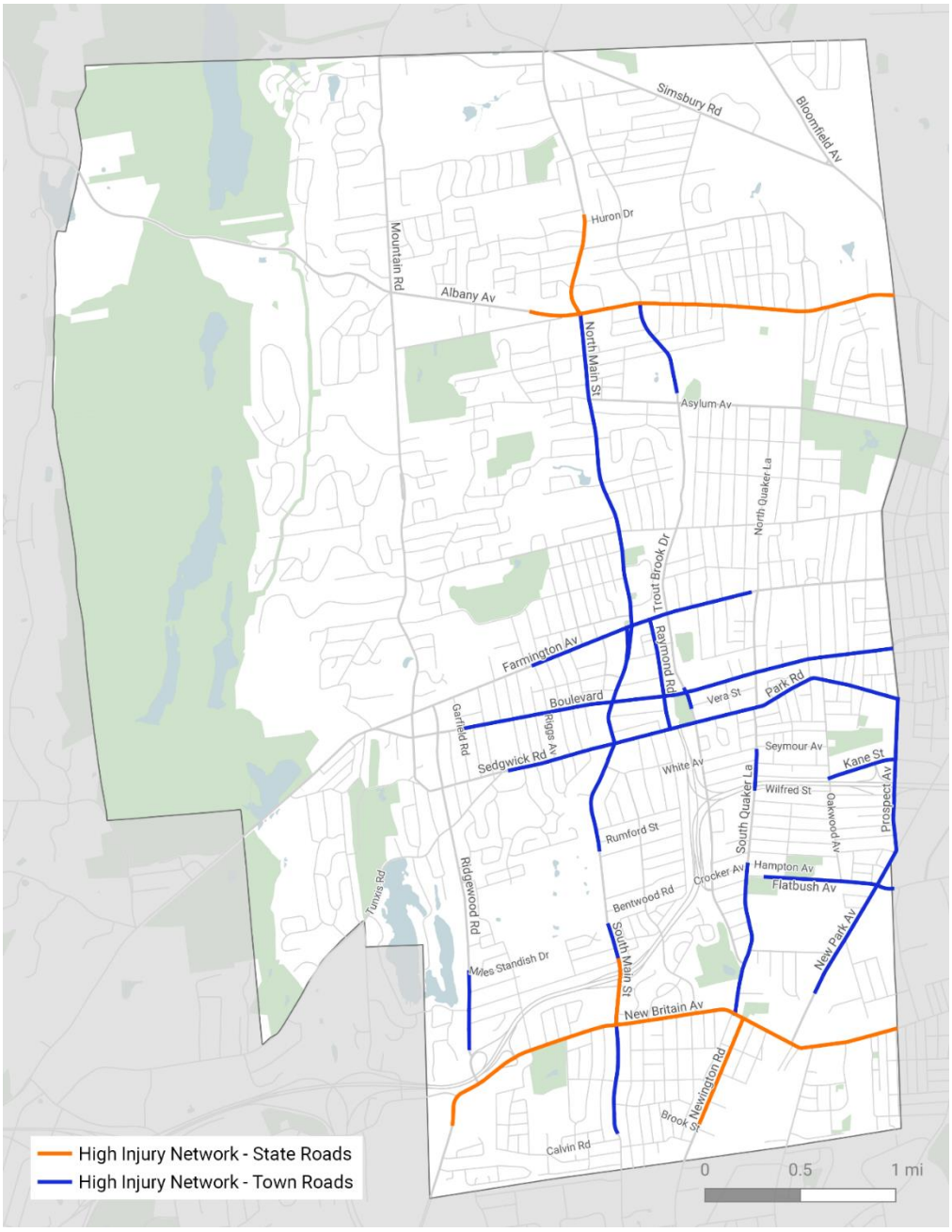


Figure 13: High Injury Network with state roads identified

Transportation Equity Zones

Figure 15 shows the HIN overlaid on the Transportation Equity Zones. Transportation Equity Zones are designed to ensure equitable application of Vision Zero recommendations and prioritization in these areas. Transportation Equity Zones are identified if present in one or more of the following:

- US Department of Housing and Urban Development (HUD) Census Block Group of Low or Moderate Income (LMI), or;
- Connecticut Department of Energy and Environmental Protection (CT DEEP) Environmental Justice Community, or;
- US Environmental Protection Agency (EPA) Environmental Justice Community

Figure 14 shows each of these original data sources mapped.

Overall statistics show that approximately **52% of all crashes and 38% of KSI crashes occur in Transportation Equity Zones**. This compares to Transportation Equity Zones accounting for only 27% of West Hartford's population and only 24% of the town's roadway miles. **However, 52% of the HIN is within or adjacent to the Transportation Equity Zones.**



Low/Moderate Income Block Groups | CT DEEP Environmental Justice Communities | EPA Environmental Justice Communities

Figure 14: Data sources used to identify Transportation Equity Zones

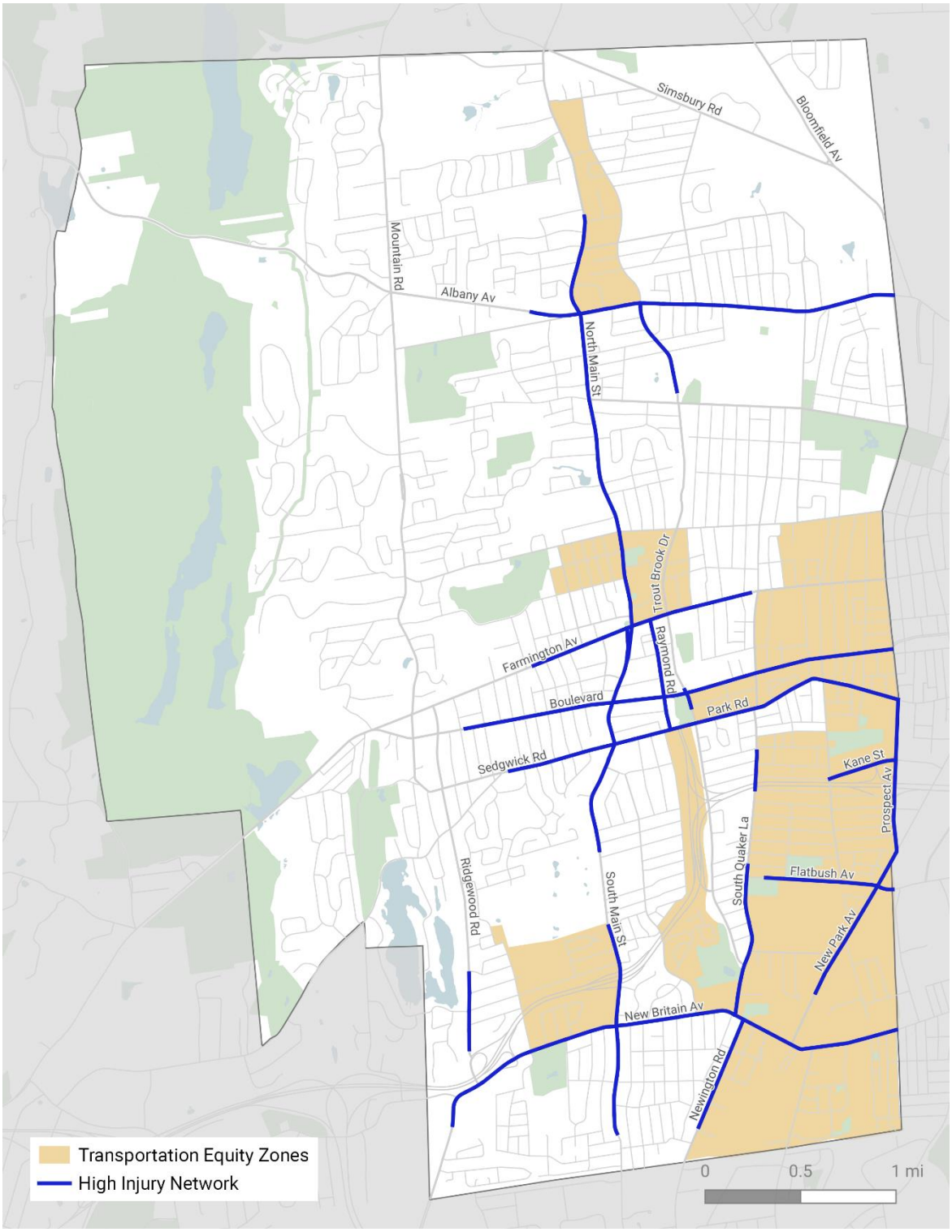


Figure 15: High Injury Network and Transportation Equity Zones

High Injury Network Crash Analysis

Summary Crash Statistics by Segment

The HIN developed for West Hartford is a composite 20.7 miles, representing 9% of West Hartford's roadway miles. The HIN includes 60% of all crashes, including 56% of all fatal or serious injury crashes. The HIN also includes 69% of all pedestrian and bicyclist crashes, including 54% of all fatal or serious injury bicyclist or pedestrian crashes. Additionally, 14 of the 20.7 HIN miles are located inside or on the border of Transportation Equity Zones (68% of the HIN).

These results are in line with best practices for identification of the HIN (more than 40% of KSI crashes on the identified HIN)[4]. While there are other KSI crashes which occur outside the HIN, these generally occur in areas where there are fewer nearby crashes resulting in injury. The HIN seeks to identify roadway segments which have an **established trend** of injury and KSI crashes. The HIN ***does not seek*** to identify all roadway segments which have experienced a KSI crash. This distinction is important as the role of the HIN is to prioritize the roadway segments with the highest crash history based on an established methodology. For example, inclusion of a roadway segment with only a single crash resulting in fatality or serious injury, but **without an established trend** of other injury crashes could result in prioritization away from those roadway segment's highest levels of both injury and KSI crashes.

Figure 16 shows all 48 KSI crashes in this analysis highlighted with other injury crashes (grey dots) and the HIN. Note that the other 21 KSI crashes that occur outside the HIN are generally in areas with fewer crashes.

[4] https://highways.dot.gov/sites/fhwa.dot.gov/files/2022-10/California%20HIN_Case%20Study_Final%20Draft.pdf

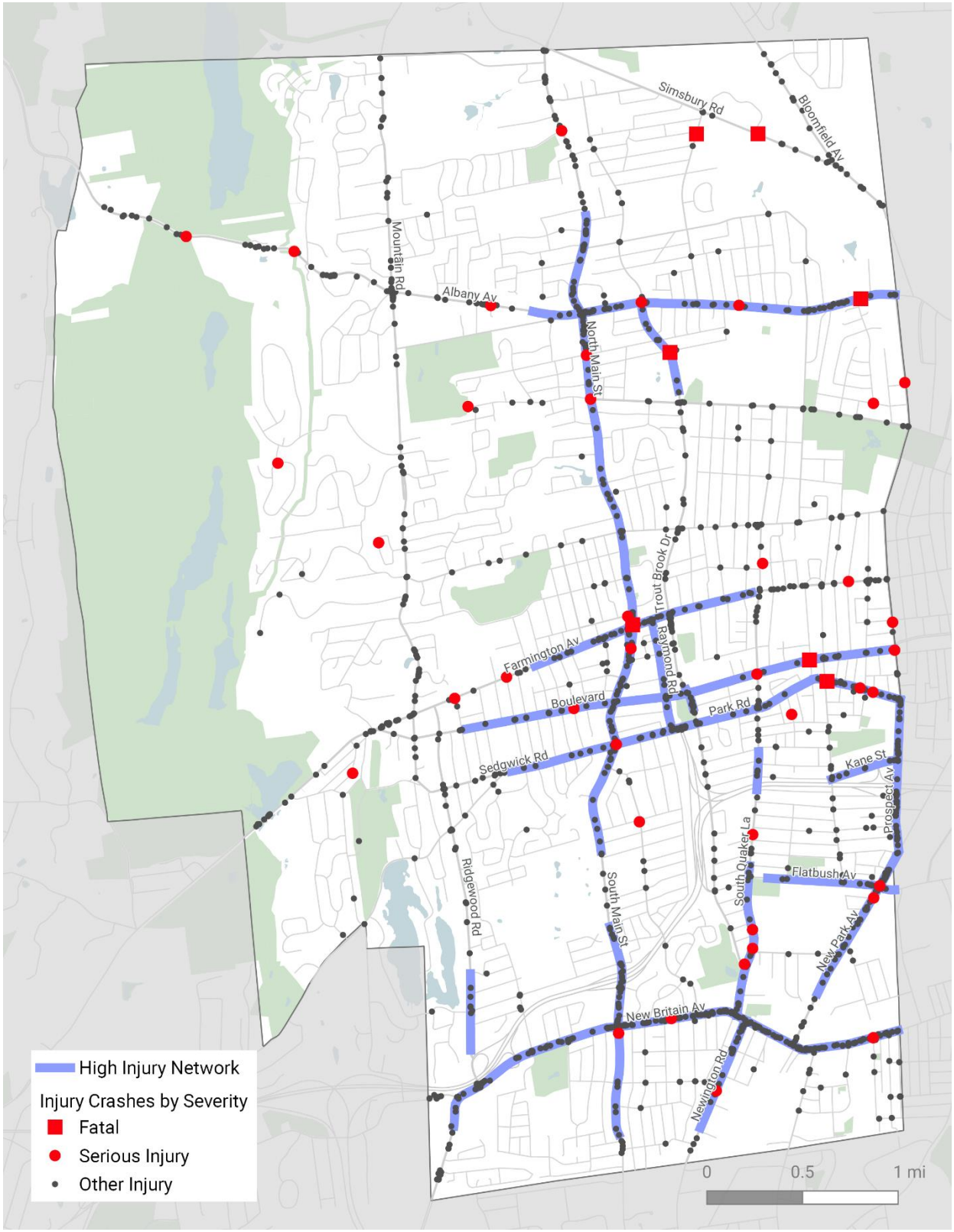


Figure 16: High Injury Network and injury crashes

The project team also divided longer HIN corridors into segments of about one mile to create segments addressable by a Road Safety Audit and Vision Zero Action Plan strategies. Figure 17 shows the individual HIN segments labeled and color-coded.

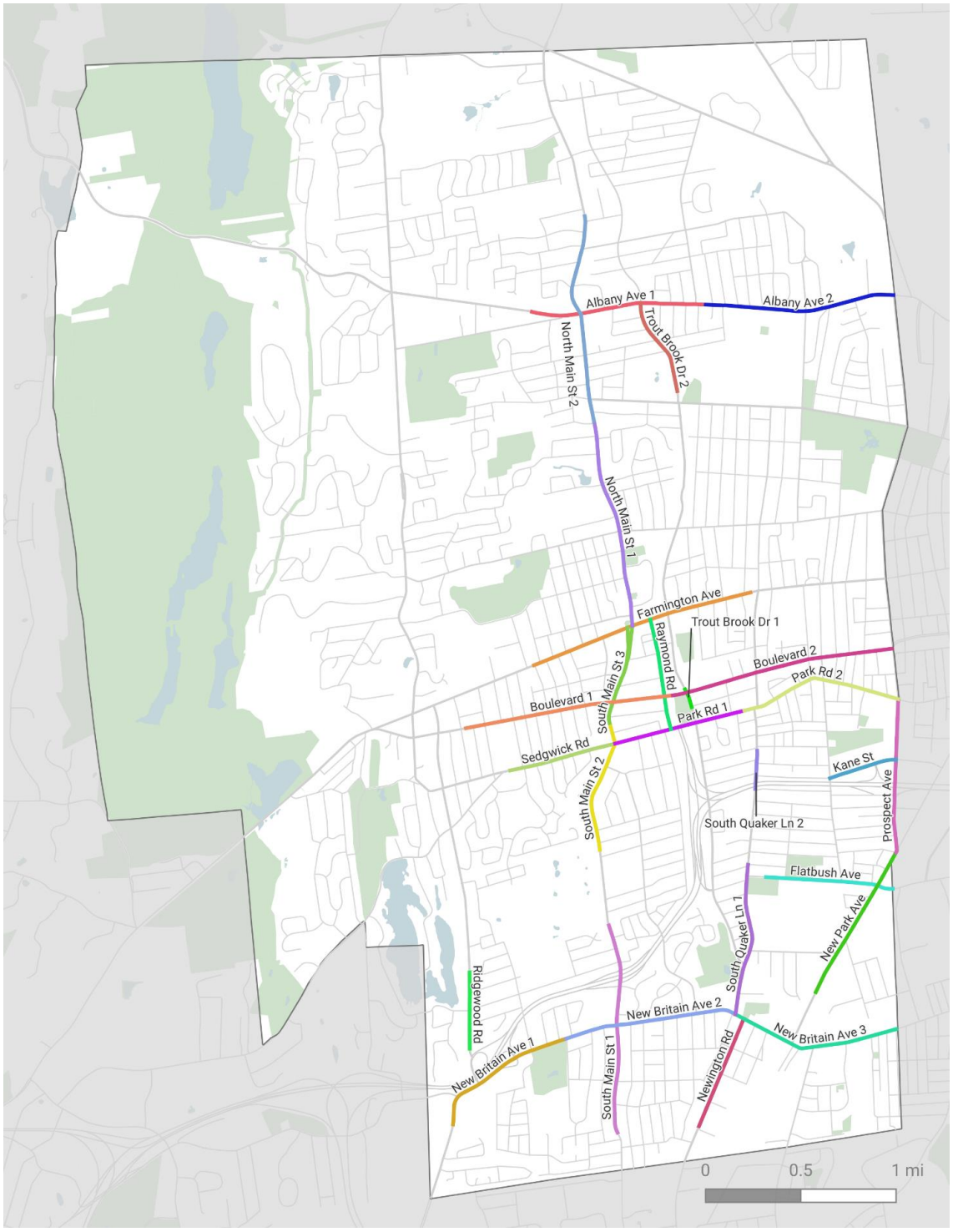


Figure 17: HIN segments

Table 6 lists all HIN segments shown in Figure 17, along with the number of crashes by injury severity. Crashes at intersections between two segments are counted in both. The segments are sorted based on the weighted severity score, as described in the Crash Weighting section on page 5 (ten times the number of fatal or serious

injury crashes, plus the number of other injury crashes). The colors indicate the extent of each segment, especially to distinguish those that are contiguous, and do not bear further meaning.

HIN Segment	From	To	Fatal/Serious Injury Crashes	Other Injury Crashes	Weighted Severity Score	Length (miles)	Owner-ship
New Britain Ave 3	South Quaker Ln	Hollywood Ave	1	121	131	0.9	State
New Britain Ave 2	Wolcott Rd	South Quaker Ln	1	106	116	0.9	State
New Park Ave	0.2 mi. south of Talcott Rd	Prospect Ave	2	89	109	0.8	Town
North Main St 2	Hickory Ln	Huron Dr	3	75	105	1.1	Town/State
Park Rd 2	South Quaker Ln	Prospect Ave	3	57	87	0.9	Town
Prospect Ave	New Park Ave	Park Rd	0	82	82	0.8	Town
South Main St 1	Calvin Rd	Boswell Rd	1	69	79	1.1	Town/State
Albany Ave 1	Woodbury Ln	Mohegan Dr	1	60	70	0.9	State
Boulevard 2	Raymond Rd	Prospect Ave	3	40	70	1.2	Town
Farmington Ave	Riggs Ave	North Quaker Ln	1	56	66	1.2	Town
South Main St 3	Meadowbrook Rd	Farmington Ave	2	46	66	0.7	Town
Albany Ave 2	Mohegan Dr	Prospect Ave	3	35	65	1.0	State
South Quaker Ln 1	New Britain Ave	Hampton Ave	3	34	64	0.8	Town
Boulevard 1	Garfield Rd	Raymond Rd	1	53	63	1.1	Town
Park Rd 1	South Main St	South Quaker Ln	1	53	63	0.7	Town
New Britain Ave 1	Westfarms Mall/ Corbin's Corner Mall Signal	Wolcott Rd	0	58	58	0.8	State
North Main St 1	Farmington Ave	Hickory Ln	1	42	52	1.1	Town
Flatbush Ave	Charter Oak Blvd	Newfield Ave	1	41	51	0.7	Town
South Main St 2	Rumford St	Meadowbrook Rd	1	40	50	0.7	Town
Trout Brook Dr 2	0.1 mi. north of Asylum Ave	Albany Ave	2	30	50	0.5	Town
Newington Rd	Brook St	New Britain Ave	1	31	41	0.6	Town
Sedgwick Rd	Sedgwick Middle School	South Main St	1	27	37	0.6	Town
Raymond Rd	Park Rd	Farmington Ave	0	35	35	0.6	Town
Kane St	Oakwood Ave	Prospect Ave	0	31	31	0.4	Town
Trout Brook Dr 1	Vera St	Boulevard	0	15	15	0.1	Town
Ridgewood Rd	I-84 Ramp	Miles Standish Dr	0	7	7	0.4	Town
South Quaker Ln 2	Wilfred St	White Ave	0	4	4	0.2	Town

Table 6: HIN segments

Table 7 shows the number of injury crashes on each segment by year. The segment “North Main St 1” contains most of the North Main Street Road Diet project, and in 2022 this segment saw fewer injury crashes (5) than in 2021 (11) and 2019 (9). While this segment is currently on the HIN based on the five-year injury crash history, if the downward trajectory in injury crashes continues, it may no longer qualify for the HIN.

HIN Segment	2018	2019	2020	2021	2022
Albany Ave 1	12	18	5	14	12
Albany Ave 2	9	5	6	8	10
Boulevard 1	17	14	10	7	6
Boulevard 2	13	9	6	6	9
Farmington Ave	16	13	9	12	7
Flatbush Ave	8	9	6	8	11
Kane St	9	9	2	6	5
New Britain Ave 1	13	14	9	9	13
New Britain Ave 2	23	29	14	14	27
New Britain Ave 3	28	30	20	21	23
New Park Ave	23	19	15	15	19
Newington Rd	9	4	6	6	7
North Main St 1	12	9	6	11	5
North Main St 2	13	20	10	14	21
Park Rd 1	12	13	10	9	10
Park Rd 2	12	8	18	11	11
Prospect Ave	20	22	16	15	9
Raymond Rd	8	10	5	5	7
Ridgewood Rd	1	1	2	1	2
Sedgwick Rd	7	8	4	4	5
South Main St 1	17	17	11	11	14
South Main St 2	7	13	7	9	5
South Main St 3	7	13	7	10	11
South Quaker Ln 1	5	13	7	8	4
South Quaker Ln 2	1	1	0	1	1
Trout Brook Dr 1	4	3	2	2	4
Trout Brook Dr 2	7	7	3	8	7

Table 7: Injury crashes by year on HIN segments

Contributing Factor Analysis

The project team also reviewed a series of factors recorded in the crash report data to identify factors contributing to fatal and serious injury crashes and crashes involving bicyclists or pedestrians. The following series of charts show the share of all crashes in the Town in each factor category relative to fatal or serious injury (KSI) crashes and bicycle or pedestrian crashes, where relevant.

One factor recorded in crash reports is the manner of collision impact, or in other words, how the parties in the crash collided with one another. A comparison of the share of all crashes relative to KSI crashes is shown in Figure 18. Fixed object crashes (a crash between a single motorist and a stationary object, such as a utility pole or tree) and front-to-front crashes are overrepresented in KSI crashes. Front-to-front crashes make up less than 2% of all crashes but 13% of KSI crashes. Similarly, fixed object crashes make up 11% of all crashes and 17% of KSI crashes. The two most common collision types, angle crashes and front-to-rear crashes, together make up 69% of all crashes but 41% of KSI crashes.

In crashes involving bicyclists or pedestrians, the manner of collision impact is typically not recorded and is instead simply recorded as a “bike/ped” crash. These crashes are highly overrepresented in KSI crashes, as crashes involving bicyclists or pedestrians make up only 2% of all crashes but 27% of KSI crashes.

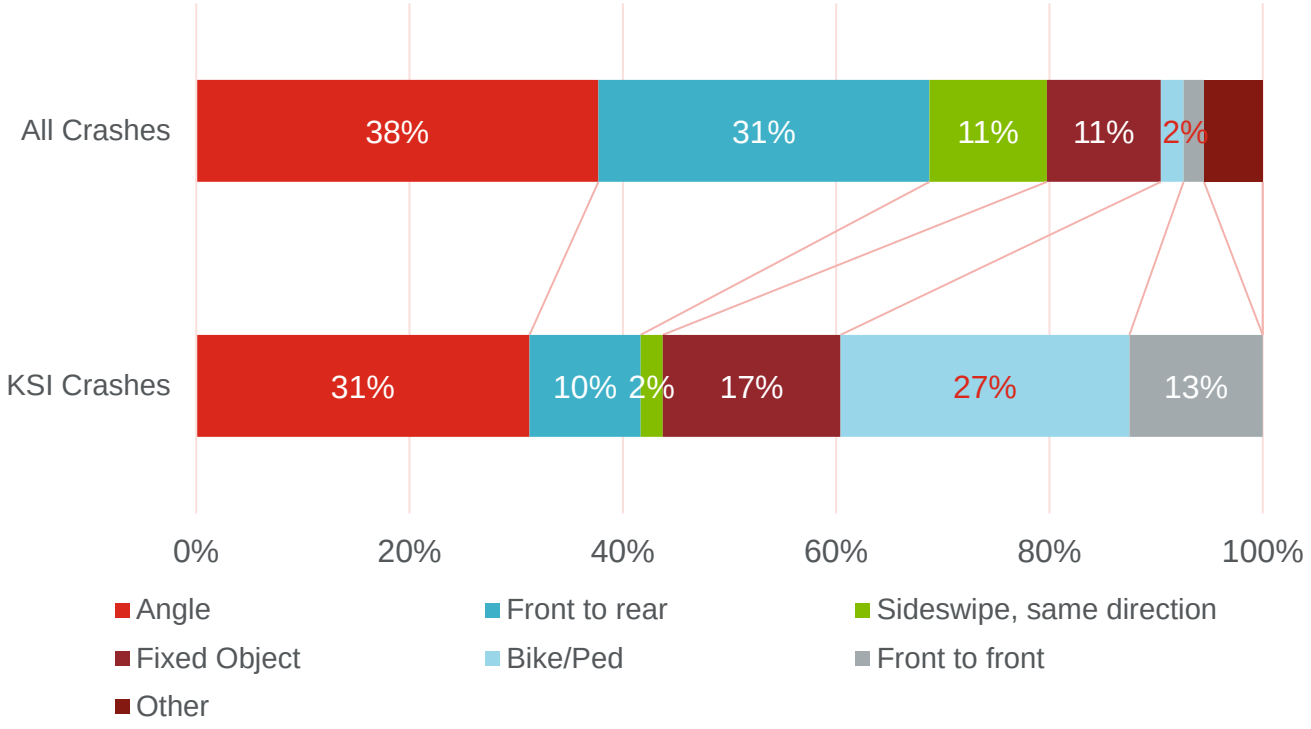


Figure 18: Crashes by recorded manner of collision impact

Figure 19 on the following page shows the share of crashes by reported weather conditions, with an additional comparison between all crashes and crashes involving bicyclists or pedestrians. Poor weather conditions do not appear associated with higher severity crashes, as a higher percentage of KSI crashes and bicyclist or pedestrian crashes occurred during clear conditions than all crashes.

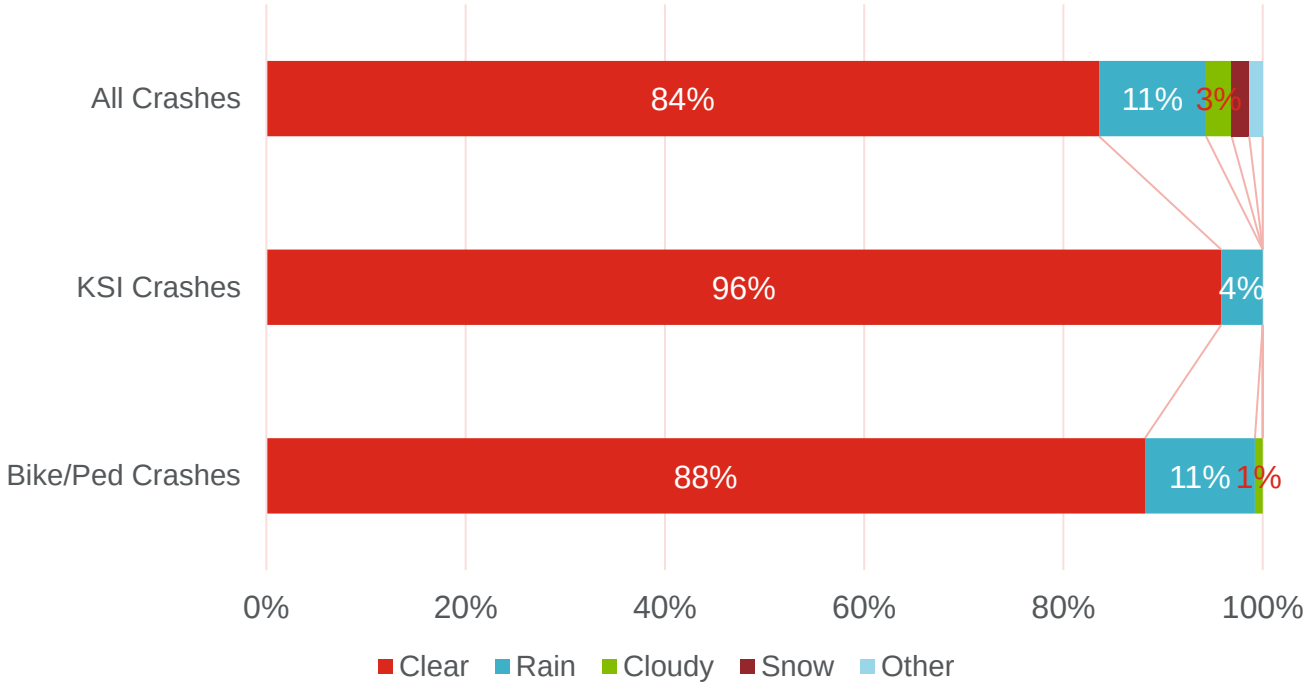


Figure 19: Share of crashes by reported weather conditions

Similarly, the reported road surface conditions do not appear to be associated with higher severity crashes, as shown in Figure 20. For example, 4% of KSI crashes and 13% of bicyclist or pedestrian crashes occurred on wet pavement conditions relative to 16% of all crashes. One possible explanation is that motorists may travel more slowly in poor conditions, which may reduce severity levels of crashes that occur under these conditions.

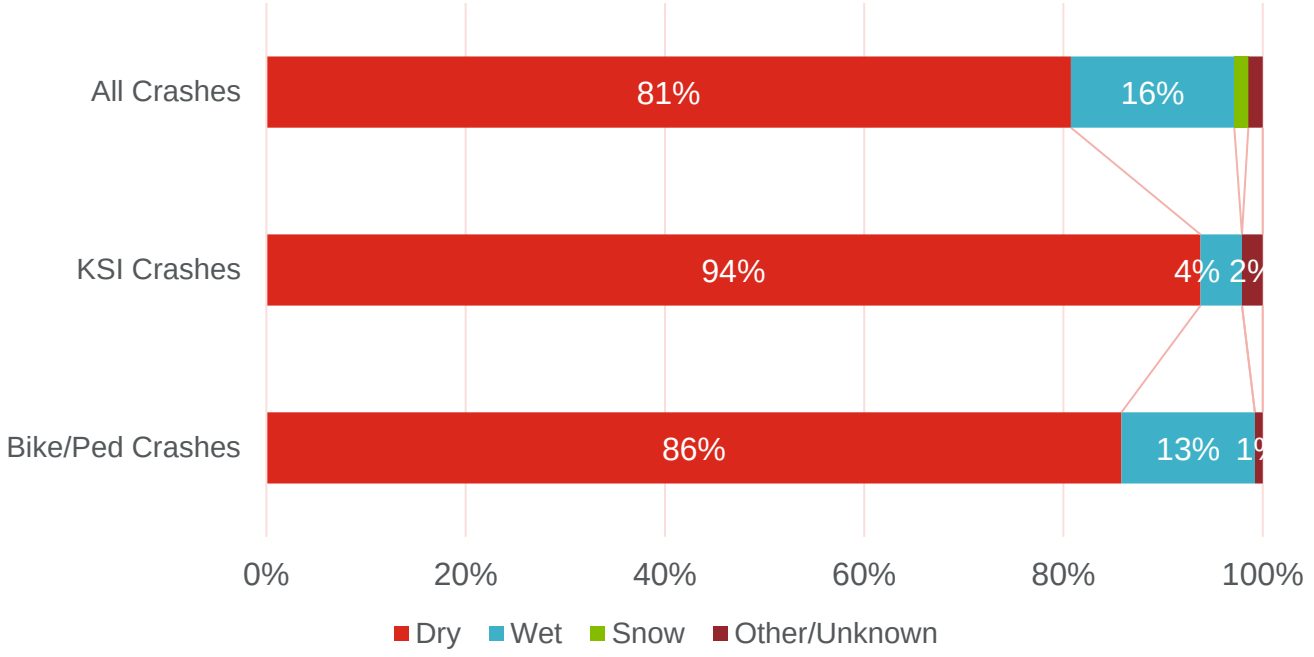


Figure 20: Share of crashes by reported road surface conditions

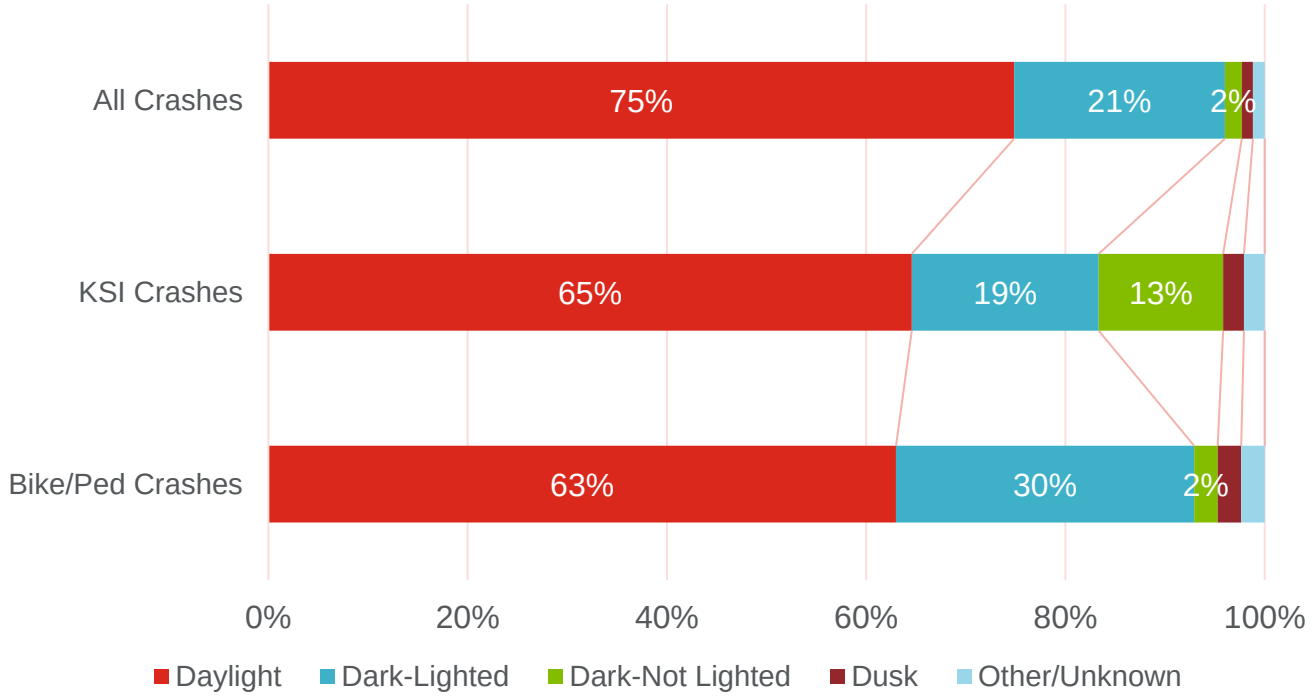


Figure 21: Share of crashes by reported lighting conditions

Figure 21 shows the breakdown of crashes by reported lighting conditions. Crashes occurring during dark conditions, with no lighting, were overrepresented in KSI crashes, with 13% of KSI crashes occurring under these conditions relative to only 2% of all crashes. This could indicate areas that need adequate lighting. Crashes involving bicyclists or pedestrians reveal a different pattern: crashes occurring under dark conditions but with lighting were overrepresented in crashes involving these road users, with 30% of bicyclists or pedestrians occurring under these conditions. This may reveal a need for more or other types of lighting and/or tailored roadway design strategies in areas with streetlights with higher rates of nighttime bicyclist or pedestrian crashes.

Crashes were geographically categorized based on proximity to intersection in ArcPro as it was found that the intersection field in the crash metadata was generally unreliable. Intersections were classified as a 3 or 4-leg two-way stop-controlled intersection, an all-way stop-controlled intersection, or a signalized intersection. 1,205 intersections were identified, with the breakdown of intersections identified in the table below. In general, two-way stop-controlled intersections were the most common intersection type representing 87% of all intersections.

Intersection Type	Number of Locations	%
Two-Way Stop-Controlled – 3-Leg	915	76%
Two-Way Stop-Controlled – 4-Leg	132	11%
All-Way Stop Controlled	45	4%
Signalized Intersection	113	9%
Total	**1,205**	

*Note – A single intersection may be represented by one or more points. For example, an intersection with a divided median (e.g. South Main Street at Farmington Ave) may count as 2 locations for this analysis.

Crashes at intersections, regardless of type, represent over 85% of all crashes, as shown in Figure 22. Crashes at two-way stop-controlled intersections were overrepresented in KSI and bike/ped crashes. Crashes at these intersections represented approximately 38% of all crashes but represented 50% of KSI crashes and bike/ped crashes. In particular, crashes at 4-leg two-way stop-controlled were particularly overrepresented amongst KSI crashes. Crashes at these intersections represented only 7% of all crashes while they represented 17% of all KSI crashes. While crashes at signalized intersections represented nearly 50% of all crashes, they represent a substantially smaller number of KSI crashes with only 33% of KSI crashes occurring at signalized intersections. Similarly, only 39% of bike/ped crashes occur at these locations. This finding indicates that while crashes may be more common at the relatively small number of signalized intersections, they are more likely to be less serious than crashes at other intersection types. Crashes on segments (not at intersections) were slightly overrepresented in KSI crashes, with 15% of KSI crashes occurring on segments relative to 13% of all crashes.

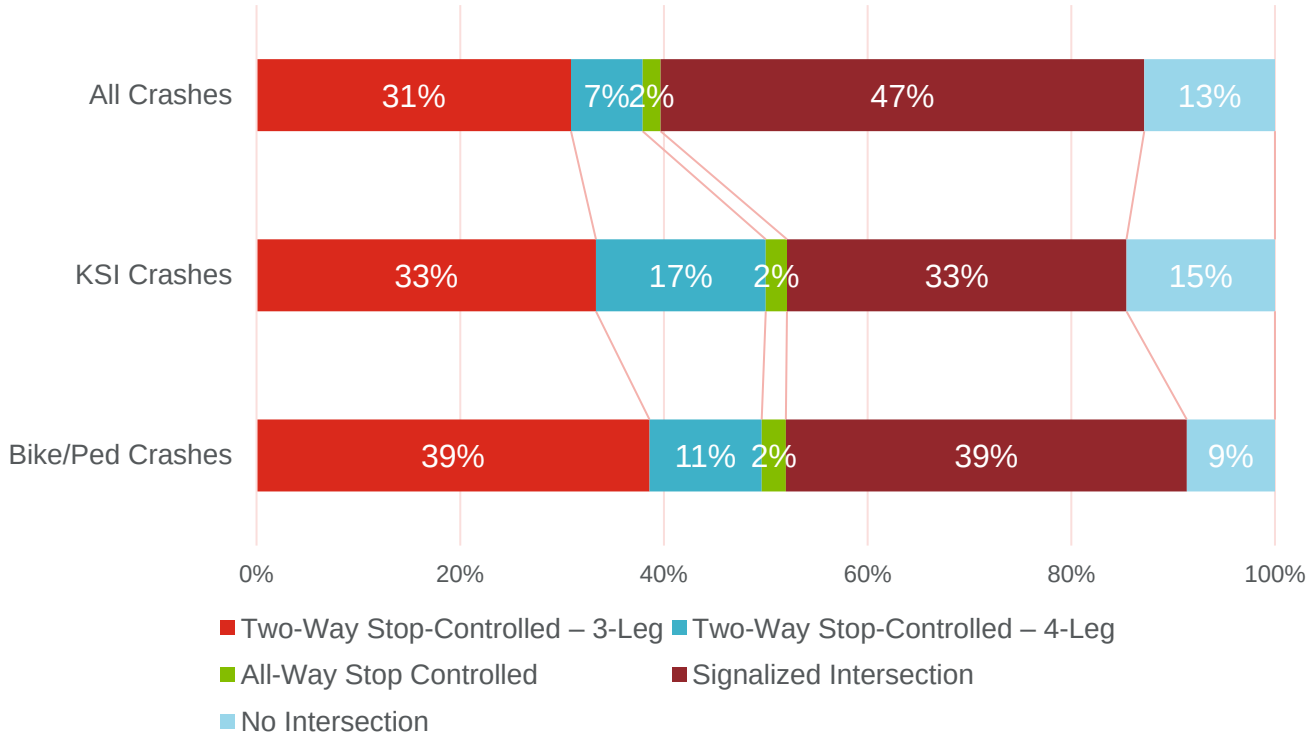


Figure 22: Share of crashes by intersection type

Crashes by manner of impact at two-way stop-controlled intersections were reviewed and reported in Figure 23. Angle crashes are the most common manner of impact at these intersections, while head-on, front-to-front collisions were over-represented amongst KSI crashes.

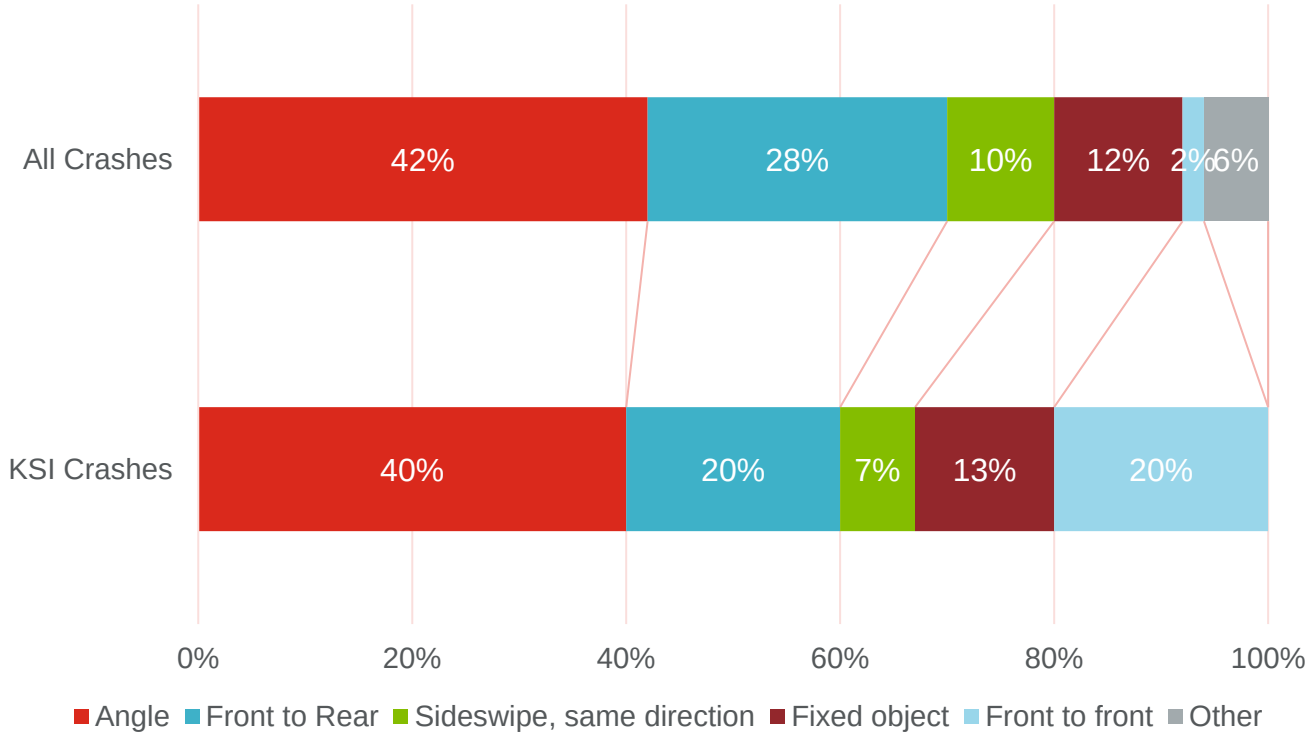


Figure 23: Crashes by recorded manner of collision impact at two-way stop-controlled Intersections

In crash reports, the responding officer will record information about the parties' actions before the collision. Recorded actions overrepresented in KSI crashes are when a motorist “failed to yield right-of-way” or when a motorist “failed to keep in proper lane”. Actions by motorists overrepresented in bicyclist or pedestrian crashes are when the motorist “failed to yield right-of-way”, as well as “overtaking cyclist” and “operated motor vehicle in inattentive, careless, negligent, or erratic manner.”

In crashes involving bicyclists or pedestrians, the crash report also contains actions before the crash. While the most frequently recorded item is “no improper action,” there are other actions recorded that place partial responsibility on the bicyclist or pedestrian. For example, when an “improper action” was recorded in pedestrian crashes, the most common actions identified are “in roadway improperly (standing, lying, working, playing)”, “failure to obey traffic signs, signals, or “failure to yield right-of-way”.

Crashes which included one or more participants identified as under the influence (DUI) or distracted were reviewed and summarized in Figure 24. Crashes involving DUI or distracted participants were overrepresented in KSI crashes. In particular, crashes with one or more individuals noted with DUI were most overrepresented in KSI crashes with only 3% of all crashes involving DUI while 10% of KSI crashes involve DUI. Of the 13 KSI crashes involving vulnerable users, 2 of these included participants noted as distracted and 2 of these included participants noted as DUI. In the 2 DUI crashes, 1 crash included a DUI attributed to the driver while 1 crash included a DUI attributed to a pedestrian. In the 2 crashes with participants noted as distracted, 1 crash was noted with a distracted driver while the second crash was noted with a distracted pedestrian.

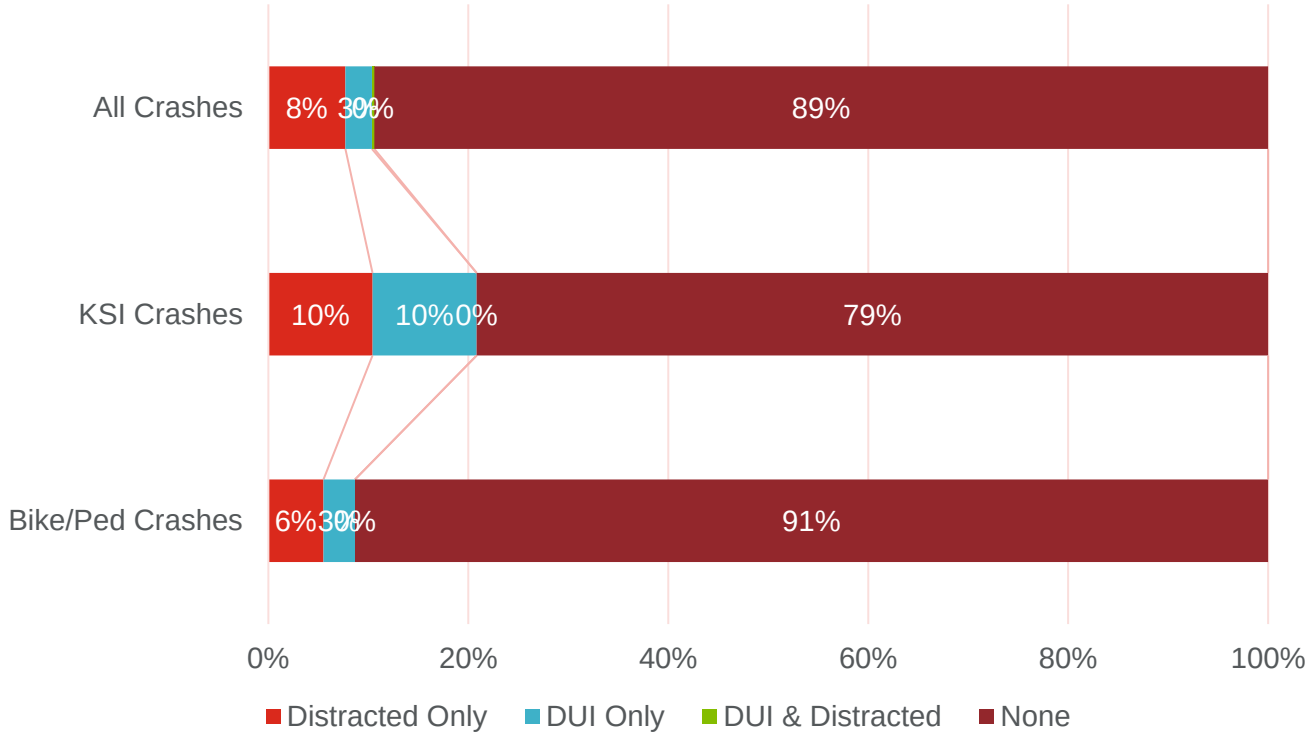


Figure 24: Crashes by DUI or Distracted Status of One or More Crash Participant

Local Road Crash Analysis

Local, or residential, roads generally do not show up in the HIN given their relatively low vehicle volumes and numbers of crashes. However, local roads may still be addressed by the Vision Zero Action Plan. To identify potential locations for further study, the project team performed an analysis of crashes on local roads, grouped together into small, sub-neighborhood areas. The team calculated the number of crashes on the local roads along with the total length of local roadway miles in each area. Figure 25 shows this analysis, highlighting areas in which local road crashes are overrepresented relative to the local roadway miles.

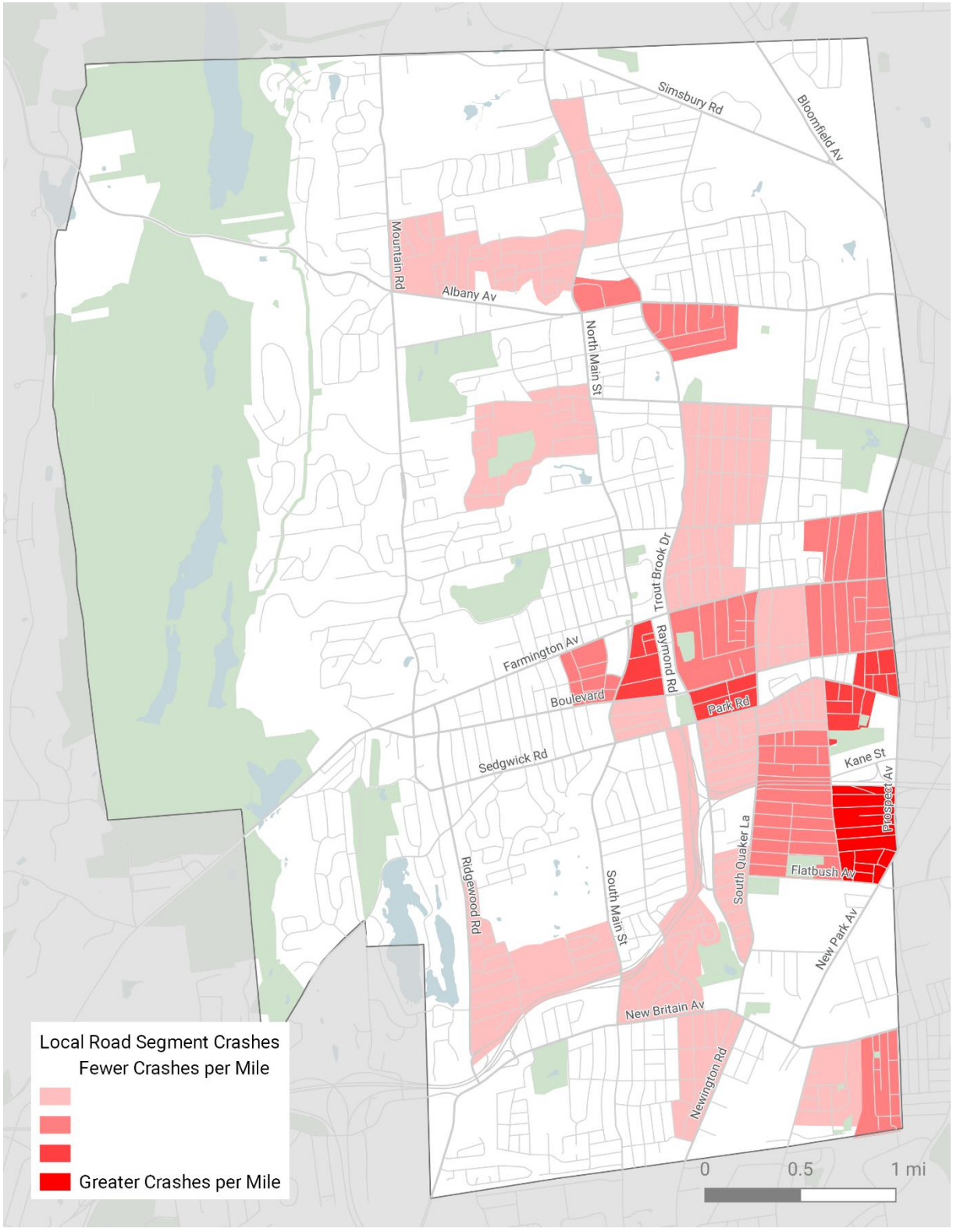


Figure 25: Local road crashes per local roadway mile

APPENDIX D. SURVEY AND WEBMAP ANALYSIS SUMMARY

WHVZ SURVEY AND WEBMAP ANALYSIS SUMMARY

In October 2023, the West Hartford Vision Zero team conducted a public survey to assess mode usage and perceptions of roadway safety town wide. The public survey was accompanied by an interactive webmap survey. The webmap survey asked members of the public to comment on specific locations and allowed participants to categorize their comment as a “safe location”, “unsafe location” or a “safety / improvement idea” as well as provide direct comments in an open text box.

These are summarized individually in the sections below.

SURVEY SUMMARY

The survey was available online through the project webpage, as well as hard copies at Town Hall and the three public libraries. The survey received a total of completed 788 responses, including 783 digital and five hard copies. Although the survey was available in English, Spanish, Chinese, and Portuguese, all responses collected were in English.

This survey summary identifies key issues and solutions. We've captured all write-in survey responses in our analysis. For more specific data, please review the supplemental data at the end of this appendix.

Cross Tabulation

Please refer to the “Cross Tabulated Survey Results” in the supplemental data at the end of this appendix for a more in-depth analysis of age demographic and issues/solution responses.

Demographic Summary

More than half of respondents identified as a middle-aged adult (ages 35-64). More than a quarter of respondents identified as seniors (aged 65 and over). Young adults and teens (aged 34 and below) composed of 12% of the responses.

As a town with a high driving and walking culture, West Harford’s Vision Zero initiatives are important to ensuring the safety for all users. More than 75% of the public drive or take rides in private vehicles, about 66% walk, and about 50% bike regularly. Fewer than 25% ride public transit or use ADA paratransit.

Issues Summary

This is a summary of traffic issues by mode (walking, driving, biking/scootering/skating).

Two-thirds of pedestrians feel unsafe because drivers do not consistently yield at intersections and/or crosswalks. Almost half feel unsafe because of the lack of visibility of intersections/crosswalks.

More than half of bikers/scooters/skaters feel unsafe because of the lack of bike infrastructure and buffering from cars. Almost half feel unsafe because drivers do not consistently yield at intersections and/or crosswalks.

Almost half of vehicle users feel unsafe because other drivers do not consistently yield at intersections and/or crosswalks. A similar number feel unsafe due to the lack of visibility at intersections and/or crosswalks. More than 25% feel unsafe because of bicyclists riding in the roadway and/or shoulder.

A prevailing issue is driver recklessness, with nearly 75% of respondent citing this concern. Reckless driving captures speeding, distracted driving, and/or disregard for the rules of the road.

Solutions Summary

Infrastructure Solutions

About half of respondents support redesigning roadways to reduce speeds and improving intersection and/or crosswalk safety for pedestrians and bicyclists to ease traffic safety concerns.

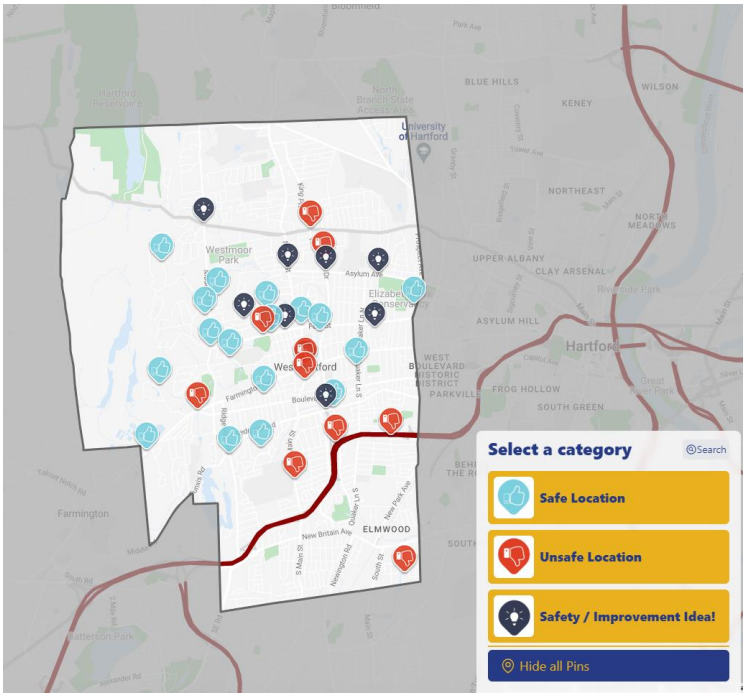
Programmatic Solutions

More than two-thirds of respondents believe that enforcement through behavioral programming, rule enforcement, and speed management will ease traffic safety issues.

WEBMAP SURVEY SUMMARY

In October 2023, the West Hartford Vision Zero team conducted a public webmap survey, which accompanied the survey summarized above. The webmap asked respondents to identify areas where they feel safe, unsafe, or have an idea related to roadway safety. The webmap was available online through the project webpage, and as hard copies at Town Hall and the three public libraries as part of the community survey packet.

Figure 1: A screenshot of the webmap survey



Analysis Methodology

To decipher the community's input, we identified frequently used key words in the webmap (downloaded as a .csv file). We included a variety of spellings, punctuation, and tenses for common terms. For example, the list includes child, child care, childcare, children, daycare, preschool, and young. We then organized key words into themes to conduct our analysis. Each comment was then flagged if any of its contents matched the key words for a theme. A single comment could match to multiple themes.

Overall Statistics

Total comments received: 1,784
Total themes identified: 15
Comments with at least one theme: 1,546
Average number of themes per comment: 3.6
Median number of themes per comment: 3

Identifying Themes

Item	Theme	Key Words
1	Access/ Destinations	Access, activities, baseball, buy, buying, cafe, café, commercial, commercial area, connect, connected, connecting, connection, driveway, driveways, fields, football, games, grocery, grocery store, hockey, JCC, library, locations, mall, museum, park, parks, path, paths, pickleball, playground, plaza, practice, restaurant, restaurants, rink, shared use path, shop, shopping, shopping district, shopping plaza, shops, sport, sports, store, stores, synagogue, target, trail, trails, UConn, YMCA
2	Biking	Bicycle, bicycles, bicyclists, bike, bike lane, bike ride, bikers, bikes, biking, cycle, cycles, cycling, cyclist, cyclists, separated bike lane, shared lane marking, sharrow, trike
3	Children/Schools	Campus, child, child care, childcare, children, daycare, elementary, elementary school, high school, hs, kid, kids, middle school, preschool, school, schools, students, young
4	Designs/ Intersections/ Signals	Alignment, barrier-protected, barriers, blinking, bollards, Bridge, buffer, bump, bumps, chicane, clear, conflicts, convert, corner, corners, curbs, divider, elevation, entrance, exit, exits, extend, facilities, flashing, flexpost, flexposts, four-way, green light, hawk, highway, humps, infra, infrastructure, install, installation, intersection, intersections, island, islands, lane, lane marking, lane markings, lanes, markings, median, medians, narrow, narrowing, on street, one way, one-way, on-street, overpass, painted, raised, ramp, red light, redesign, redesigned, restrict, right turn, right-turn, rotaries, rotary, roundabout, roundabouts, RRFB, sharrows, shoulder, sign, signage, signal, signalized, signals, signs, steep, stop, stop light, stop sign, stoplight, stoplights, stripes, tight, traffic calming, traffic circle, traffic light, turn, turns, warning, widen, widened, yellow light, yield sign, yields

Item	Theme	Key Words
5	Driver Behavior	Aggressive, attention, cell phone, cellphone, cutting, discourage, distracted, drivers, idling, ignore, ignoring, impatient, merge, merging, mobile phone, overtaking, pass, passing, phone, phones, respect, risky, swerve, text, texting, turning, *yeild*, yield
6	Enforcement	Automated enforcement, automatically, camera, cameras, cop, cops, enforce, enforced, enforcement, guards, illegal, obey, police, pull over, radar, red light camera, red light cameras, redlight camera, red-light camera, redlight cameras, red-light cameras, rules, speed camera, speed cameras, speeding ticket, ticket, ticketing
7	Maintenance/ Green	Bush, bushes, condition, faded, faded paint, faded pavement markings, garbage, grass, ice, landscaping, maintain, maintenance, meadow, overgrown, paint, pavement, pavement marking, pavement markings, planters, plantings, pothole, potholes, repaint, repaints, repainted, repave, shrubs, snow, trash, tree, trees, trees/shrubs, trimmed, weeds, winter
8	Parking	Deliveries, delivery, double parked, double parking, meter, parked, parking, parking meter
9	Safety	Parked, parking, parking meter, accident, accidents, calm, collision, collisions, crash, crashes, danger, dangerous, emergency, hazard, hit, killed, pickup truck, pick-up truck, pickup trucks, pick-up trucks, ran over, risk, run over, safely, safer, safety, scary, SUV, SUVs, trucks, unsafe
10	Speed	Exceed, fast, faster, fly, flying, guard, limits, mph, race, reduce, slow, speed, speeders, speeding, speeds, speedway
11	Traffic/ Congestion	Backups, block, blocking, busy, congested, congestion, cut through, cut through traffic, cut-through, cut-through traffic, shortcut, traffic, volume, volumes

Item	Theme	Key Words
12	Transit	Bus, bus stop, bus stops, buses, transit
13	Visibility/Lighting	Dark, day, daylight, hard to see, invisible, light, lighting, lights, looking, night, seen, sight, visibility, visible, vision
14	Disabilities/Older Adults	Accessibility, accessible, ADA, blind, cane, curb ramp curb ramps, deaf, disability, disabled, elderly, families, older, older adult, parents, ramp, ramps, stroller, wheelchair
15	Walking/Crossing	Cross, crossed, crossing, crossings, crosswalk, crosswalks, mid-block, ped, pedestrian, pedestrians, peds, playing, runners, running, sidewalk, sidewalks, walk, walkable, walkers, walking, walks, walkway, xing

Theme Breakdown*

Comment Theme	Total	Percent
Designs/Intersections/Signals	1,232	69.06%
Walking/Crossing	751	42.10%
Speed	589	33.02%
Visibility/Lighting	561	31.45%
Safety	547	30.66%
Driver Behavior	482	27.02%
Traffic/Congestion	444	24.89%
Maintenance/Green	433	24.27%
Access/Destinations	412	23.09%
Biking	236	13.23%
Children/Schools	210	11.77%
Parking	138	7.74%
Enforcement	123	6.89%
Transit	114	6.39%
Disabilities/Older Adults	103	5.77%

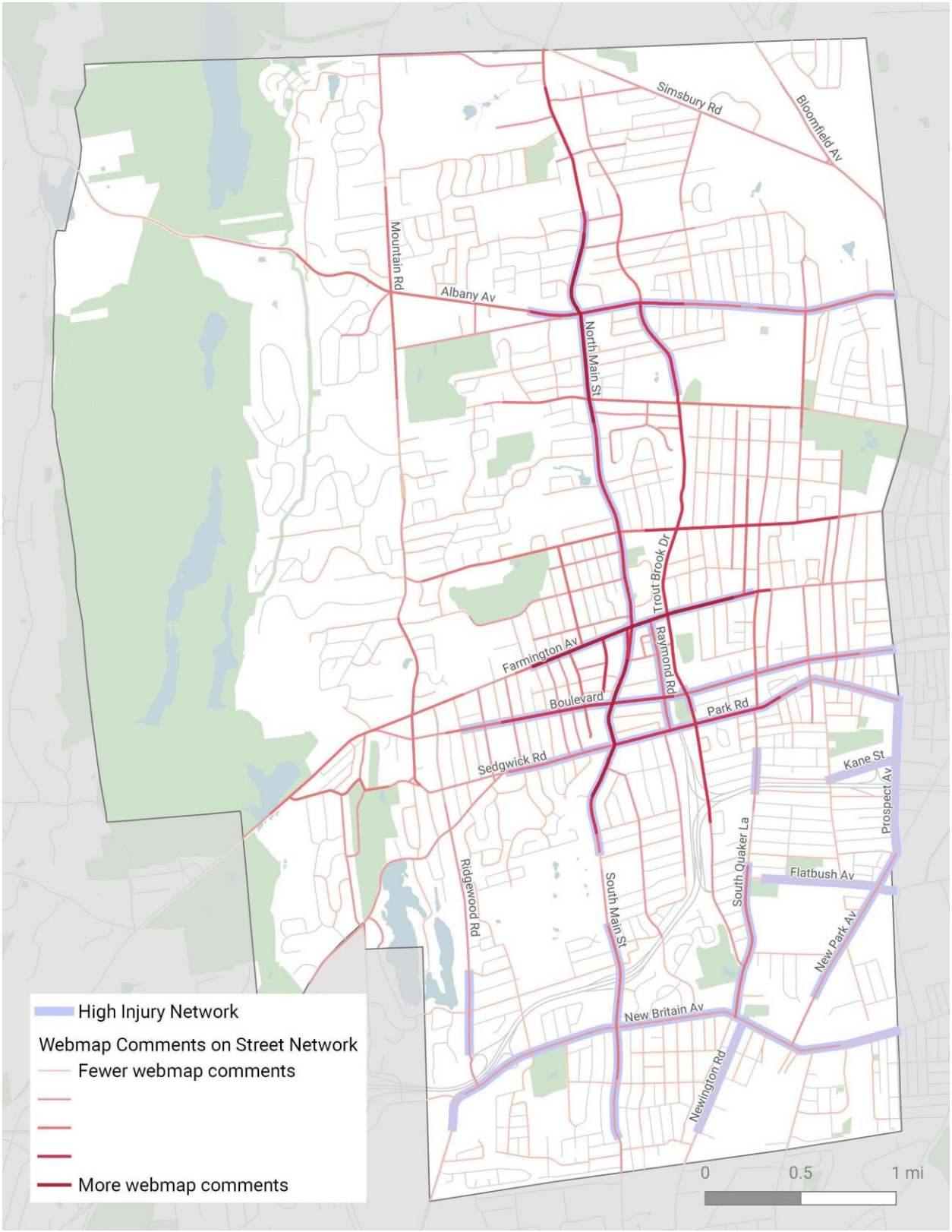
* Note: Since each comment could have more than one theme, the total value of this table will exceed the number of comments received.

Comment Heatmap

The map on the following page is a network-based heatmap reflecting the number of comments received through the webmap survey. This includes comments where users labeled an area *unsafe* or marked a location with an *idea*. To create the heatmap, the project team first assigned comments to any street segment within 50 feet of the comment location. Then, the team divided the street network into 1/10th-mile segments and assigned each segment with a score based on the number of comments and comment likes within ½-mile on the same street, in each direction. This mirrors the crash analysis process summarized in a separate appendix.

This approach highlights areas where users added many comments and agreed with existing comments (there was no option for a user to dislike a comment). In the map, the darker and thicker red lines represent segments that received more comments and likes. The High Injury Network (HIN) is overlaid to reveal how the HIN, which is based on historic crash data, compares with the webmap survey results, or people's perception of safety along the town's roadway network.

Figure 2: Heatmap of webmap comments on street network



Supplemental Data – Additional Survey Results

Issues

Which of the following roadway factors make you feel most unsafe as a pedestrian on roads in West Hartford?

- **Drivers do not yield at intersections/crosswalks (65.8%, 524)**
- **Do not feel visible to drivers at intersections/crosswalks (36.3%, 289)**
- **Lack of sidewalks or walking paths (25.1%, 200)**
- Not enough time to cross the road (19.1%, 152)
- Inadequate maintenance of sidewalks and walking paths (17.5%, 139)
- Sidewalks or walking paths don't have enough of a buffer from traveling vehicles (16.6%, 132)
- Other (14.6%, 116)
  - **Driver recklessness (speeding, not following rules of road)**
  - Poor sidewalk/crosswalk conditions (faded crosswalks, no pedestrian infrastructure, potholes)
  - Traffic
- Difficult to see oncoming drivers at intersections/crosswalks (12.6%, 100)
- Lack of separation from bicyclists on shared use paths (12.6%, 100)
- I generally feel safe with current roadway factors (9.2%, 73)
- Inadequate lighting (8.4%, 67)
- Sidewalks or walking paths are too narrow (5.5%, 44)

Which of the following roadway factors make you feel most unsafe as a person who uses a bicycle, scooter, or skates on roads in West Hartford?

- **Lack of bike lanes and biking paths (56.7%, 208)**
- **Bike lanes or biking paths don't have enough of a buffer from traveling vehicles (56.4%, 207)**
- **Drivers do not yield at intersections/crosswalks (39.8%, 146)**
- Bike lanes or biking paths are too narrow (27.5%, 101)
- Intersections/crosswalks and bicyclists are not visible enough or highlighted to drivers (16.9%, 62)
- Other (16.3%, 60)
  - **Driver recklessness (drivers speeding, inattentiveness)**
  - Poor bike infrastructure (lack of separation from cars and peds, no bike lanes, streets narrow)
  - Traffic calming infrastructure unsafe/little to none
- Difficult to see oncoming drivers at intersections/crosswalks (9.3%, 34)
- Lack of separation from pedestrians on shared use paths (8.2%, 30)
- Inadequate maintenance of bike lanes and biking paths (6.8%, 25)
- Not enough time to cross the road (5.4%, 20)
- I generally feel safe with current roadway factors (4.9%, 18)
- Inadequate lighting (3.3%, 12)
- Difficult to see pedestrians at intersections/crosswalks (2.5%, 9)

Which of the following roadway factors make you feel most unsafe as a driver or person who travels by vehicle on roads in West Hartford?

- **Drivers do not yield at intersections/crosswalks (45.8%, 361)**
- **Difficult to see pedestrians, bicyclists, or oncoming drivers at intersections/crosswalks (33.4%, 263)**
- **Bicyclists riding in the roadway/shoulder (30.1%, 237)**
- Other (27.7%, 218)
  - **Reckless driving (aggressive driving, drivers speeding, not following rules, distracted drivers)**
  - **Bikers/pedestrians not following rules**
  - **Confusing road infrastructure**
  - Lack of enforcement
  - Lack of road maintenance
  - Lack of traffic calming measures
- Lack of separation from bicyclists (26.9%, 212)
- Lack of warning and visibility for upcoming intersections/crosswalks (22.3%, 176)
- Inadequate maintenance of roadways (16.9%, 133)
- Inadequate lighting (8.8%, 69)
- Lack of separation from pedestrians (6.7%, 53)
- I generally feel safe with current roadway factors (6.7%, 53)

Which of the following behaviors make you feel most unsafe on roads in West Hartford?

- **Drivers speeding (77.0%, 611)**
- **Distracted driving (73.6%, 584)**
- **Non-compliance with rules of the road (54.9%, 436)**
- Drivers failing to yield to pedestrians or bicyclists (38.5%, 306)
- Impaired driving (with alcohol, marijuana, etc.) (10.5%, 83)
- Other (Please specify) (8.1%, 64)
  - **Reckless driving (aggressive or distracted driving, drivers speeding, not following rules)**
  - Bikers/Pedestrians not following rules of roads
  - Lack of maintenance
- I generally feel safe with current behaviors (2.9%, 23)

Solutions

Which of the following **roadway changes** do you think would have the greatest impact on improving road safety in West Hartford?

- **Redesigned roadways to reduce speeds (e.g., narrower roadways, speed humps) (54.3%, 431)**
- **Improved intersection/crosswalk safety for pedestrians and bicyclists (44.5%, 353)**
- **Modified signal timing to improve safety for everyone (35.3%, 280)**
- Improved existing bicycle facilities, such as protected bike lanes (30.1%, 239)
- Improved visibility of pedestrians, bicyclists, and drivers (28.7%, 228)
- Installation of buffers (such as landscaping) between sidewalks and roadway (27.0%, 214)
- Better maintained roads, sidewalks, bikeways, or paths (22.4%, 178)
- Other (Please specify) (22.3%, 177)

  - **Traffic enforcement (camera enforcement, more policing, roadway safety laws, speed limits/enforcement, ticketing of offenders)**
  - **Traffic calming/new signals and road design (separation of bikers and peds from cars, improving intersection infrastructure and visibility, reconfigured lane design, roundabouts)**
  - Separation of modes (between bikers, peds and drivers)
  - Maintenance of roadway (pothole repair, management of overgrown vegetation)
- Installation of more sidewalks (21.4%, 170)
- Installation of more bicycle facilities (14.7%, 117)
- Improved lighting (13.2%, 105)
- Improved pedestrian environment serving transit stops (8.3%, 66)
- I generally feel safe on roads in West Hartford (2.4%, 19)

Which of the following **behavior programs** do you think would have the greatest impact on improving road safety in West Hartford?

- **More enforcement of traffic laws (e.g., red light camera enforcement) (67.9%, 539)**
- **More speed management (e.g., appropriate speed limits, speed cameras) (66.8%, 530)**
- **Education to increase awareness of the rules of the road and address behaviors to increase safety for roadway users (36.0%, 286)**
- Education to reduce distracted driving (23.0%, 183)
- Other (Please specify) (21.4%, 170)
  - **Enforcement (cameras, citations, police enforcement)**
  - **Redesigning roads (Designing roads to suit non-automotive uses, implement road diets and/or traffic calming)**
  - Education of rules of road (for bicyclists, pedestrians, and drivers)
    - Some respondents doubt the efficacy of education because they believe those who'd benefit the most will not participate, and education may not be as effective as other means.
  - Better intersection infrastructure
  - More public transit
  - Better roadway maintenance
- None of the above (5.4%, 43)
- Education to reduce impaired roadway users (4.9%, 39)

Supplemental Data – Cross Tabulated Survey Results

Age Demographics

	#	%
17 or younger	7	1%
18 to 34	86	11%
35 to 49	224	29%
50 to 64	238	31%
65 or older	208	27%
Total (completer	763	

Age Analysis

Older Adults		
65+	208	27.26%
Middle Aged Adults		
35-64	462	61%
Teens and Young Adults		
34 and younger	93	12.19%

Question 1:

Modes Used

	Walk	Bike/Scooter/Skate	Public Transit	ADA	Drive	Taxi/Uber
All of the time	85	13	3	1	266	0
Most of the time	80	17	5	0	344	2
About half the time	202	44	8	0	120	6
Occasionally	380	291	99	4	48	312
Never	41	423	673	783	10	468

Modes Used by Age Group

All of the time

34 or younger	13	3	1	1	29	0
35 to 64	51	8	2	0	156	0
65 or older	18	2	0	0	74	0

Most of the time

34 or younger	2	0	0	0	2	0
35 to 64	40	9	2	0	205	1
65 or older	19	3	1	0	90	0

About half the time

34 or younger	26	8	2	0	18	2
35 to 64	113	29	5	0	69	1
65 or older	56	4	1	0	31	2

Occasionally

34 or younger	30	31	17	0	12	51
35 to 64	237	207	54	1	26	195
65 or older	102	43	26	3	10	57

Never

34 or younger	5	46	71	92	0	39
35 to 64	21	209	399	461	6	265
65 or older	13	156	180	205	3	149

Question 2:

Perception of Safety by Pedestrians

	Intersections/cross walks and pedestrians are not visible enough or highlighted to drivers	Not enough time to cross the road	Drivers do not yield at intersections/cross walks	Difficult to see oncoming drivers at intersections/crosswalks	Lack of sidewalks or walking paths	Sidewalks or walking paths are too narrow	Sidewalks or walking paths don't have enough of a buffer from traveling vehicles	Lack of separation from bicyclists on shared use paths	Inadequate maintenance of sidewalks and walking paths	Inadequate lighting	Driving recklessness and unlawfulness (from other category)
34 or younger	42	21	61	15	23	10	17	9	18	10	12
35 to 64	164	74	309	51	129	29	84	56	75	43	39
65 or older	73	54	137	26	39	4	26	30	41	11	13
Total # Identified	279	149	507	92	191	43	127	95	134	64	64
% of Total Responses	**37%**	**20%**	**66%**	**12%**	**25%**	**6%**	**17%**	**12%**	**18%**	**8%**	**8%**

Question 3:

Perception of Safety by Bikers/Scooterists/Skaters

	Intersections/cross walks and bicyclists are not visible enough or	Not enough time to cross the road	Drivers do not yield at intersections/cross walks	Difficult to see oncoming drivers at intersections/crosswalks	Difficult to see pedestrians at intersections/cross walks	Lack of bike lanes and biking paths	Bike lanes or biking paths are too narrow	Bike lanes or biking paths don't have enough of a buffer from traveling	Lack of separation from pedestrians on shared use paths	Inadequate maintenance of bike lanes and biking paths	Inadequate lighting	Driving recklessness and unlawfulness (from Other category)
34 or younger	7	3	11	3	1	40	16	32	4	7	1	10
35 to 64	43	11	106	22	3	134	71	142	19	17	8	14
65 or older	10	4	20	6	5	28	10	26	5	1	2	4
Total # Identified	60	18	137	31	9	202	97	200	28	25	11	28
% of Total Responses	**8%**	**2%**	**18%**	**4%**	**1%**	**26%**	**13%**	**26%**	**4%**	**3%**	**1%**	**4%**

Question 4:

Perception of Safety by Drivers

	Difficult to see pedestrians, bicyclists, or oncoming drivers at intersections/cross walks	Lack of warning and visibility for upcoming intersections/cross walks	Drivers do not yield at intersections/cross walks	Lack of separation from pedestrians	Lack of separation from bicyclists	Bicyclists riding in the roadway/shoulder	Inadequate maintenance of roadways	Inadequate lighting	Driving recklessness and Unlawfulness (from other category)
34 or younger	38	24	35	6	32	29	18	8	14
35 to 64	139	96	206	38	109	113	85	41	81
65 or older	77	47	107	7	66	85	26	16	26
Total # Identified	254	167	348	51	207	227	129	65	121
% of Total Responses	**33%**	**22%**	**46%**	**7%**	**27%**	**30%**	**17%**	**9%**	**16%**

Question 5:

General Perception of Safety by Age Group

	Distracted driving	Impaired driving (with alcohol, marijuana, etc.)	Drivers speeding	Drivers failing to yield to pedestrians or bicyclists	Non-compliance with rules of the road	Driving Recklessness and Unlawfulness (from other category)
34 or younger	65	12	65	47	45	8
35 to 64	350	47	361	181	238	38
65 or older	147	18	163	68	137	16
Total # Identified	562	77	589	296	420	62
% of Total Responses	**74%**	**10%**	**77%**	**39%**	**55%**	**8%**

Question 6:

Physical Improvements Posed by Age Group

	Improved intersection/crosswalk safety for pedestrians and bicyclists	Improved visibility of pedestrians, bicyclists, and drivers	Installation of more sidewalks	Installation of buffers (such as landscaping) between sidewalks and roadway	Improved pedestrian environment serving transit stops	Installation of more bicycle facilities	Improved existing bicycle facilities, such as protected bike lanes	Redesigned roadways to reduce speeds (e.g., narrower roadways, speed humps, etc.)	Modified signal timing to improve safety for everyone	Better maintained roads, sidewalks, bikeways, or paths	Improved lighting
34 or younger	50	34	22	41	14	29	39	55	33	24	7
35 to 64	196	119	119	126	38	73	134	253	150	107	66
65 or older	98	68	22	36	12	13	59	108	86	39	28
Total # Identified	344	221	163	203	64	115	232	416	269	170	101
% of Total Responses	**45%**	**29%**	**21%**	**27%**	**8%**	**15%**	**30%**	**55%**	**35%**	**22%**	**13%**

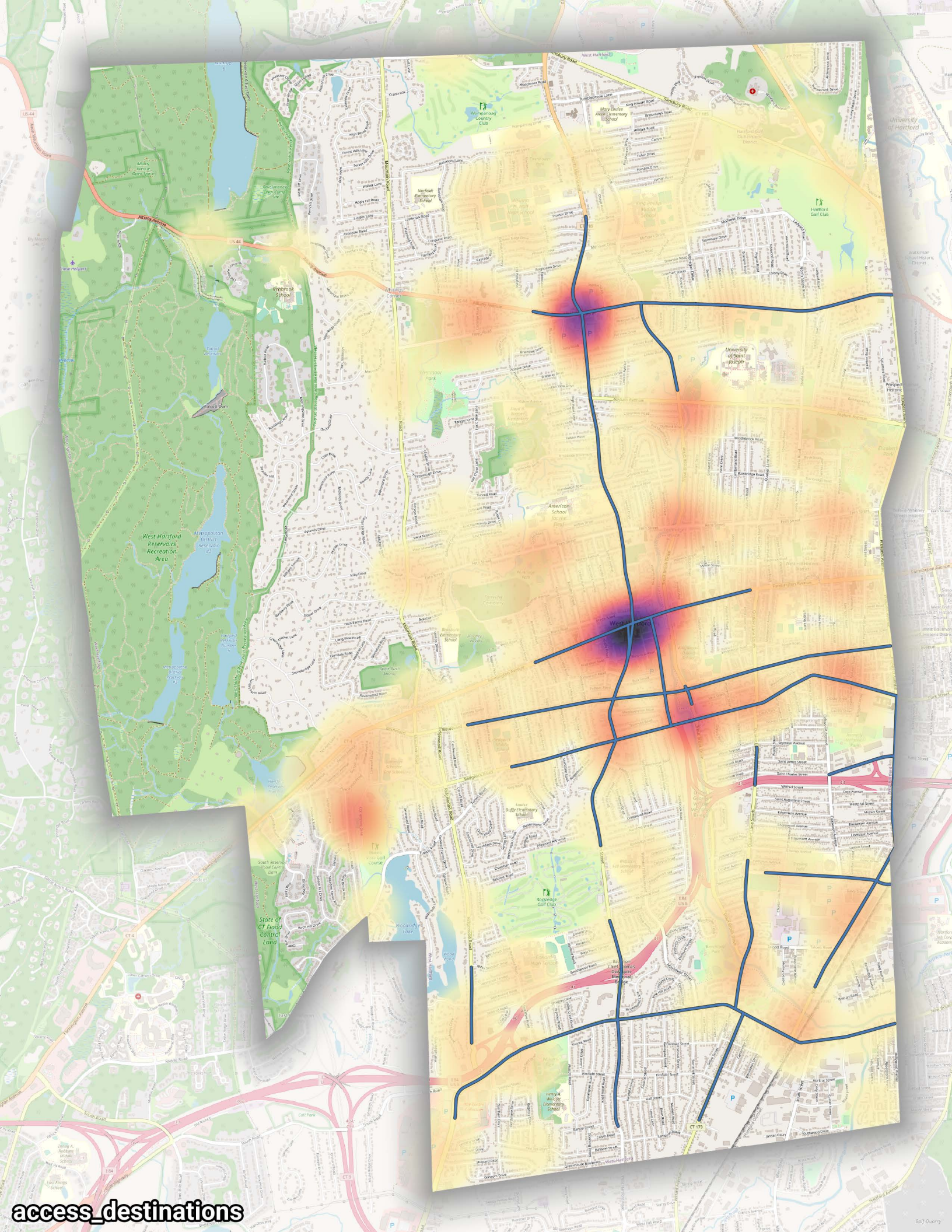
Question 7:

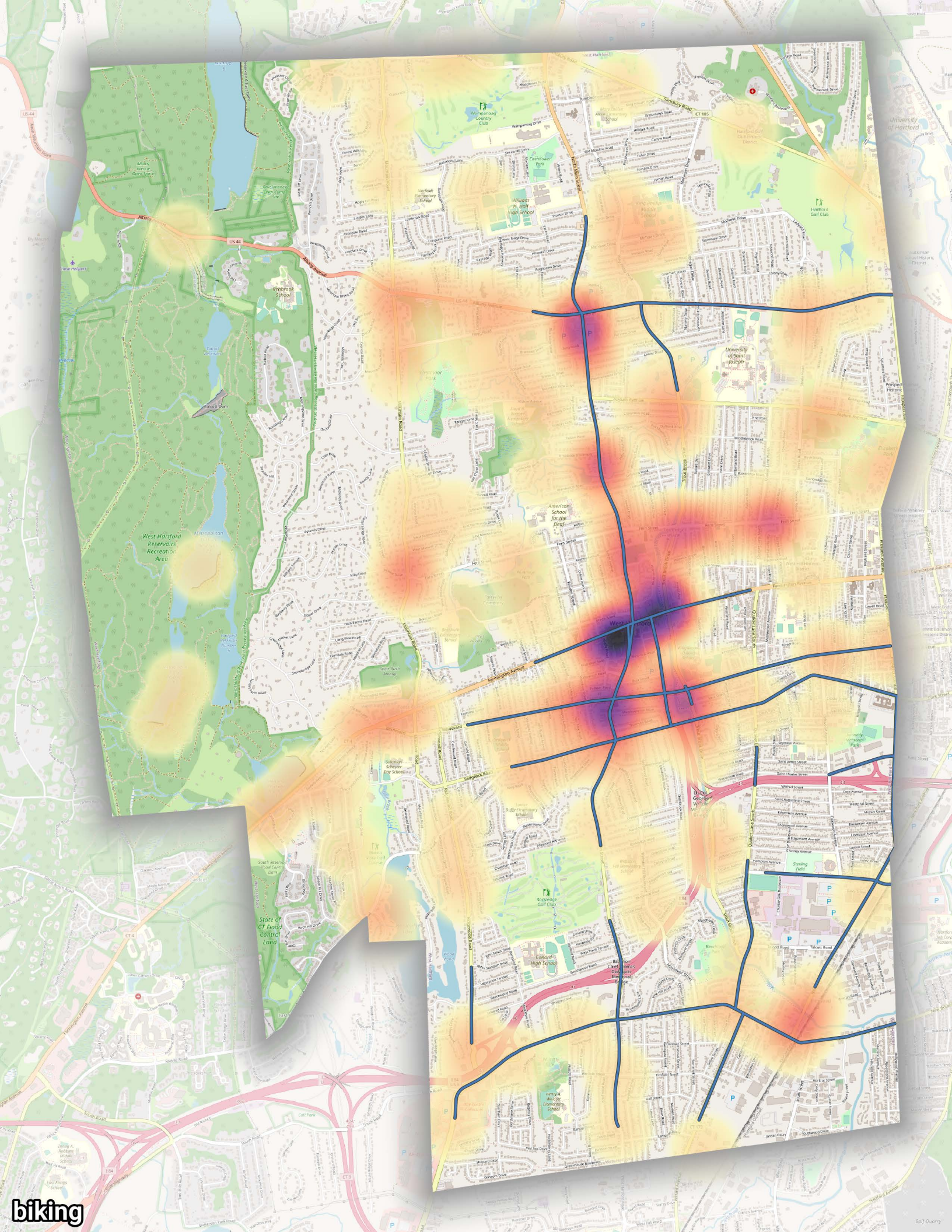
Program Improvements Posed by Age Group

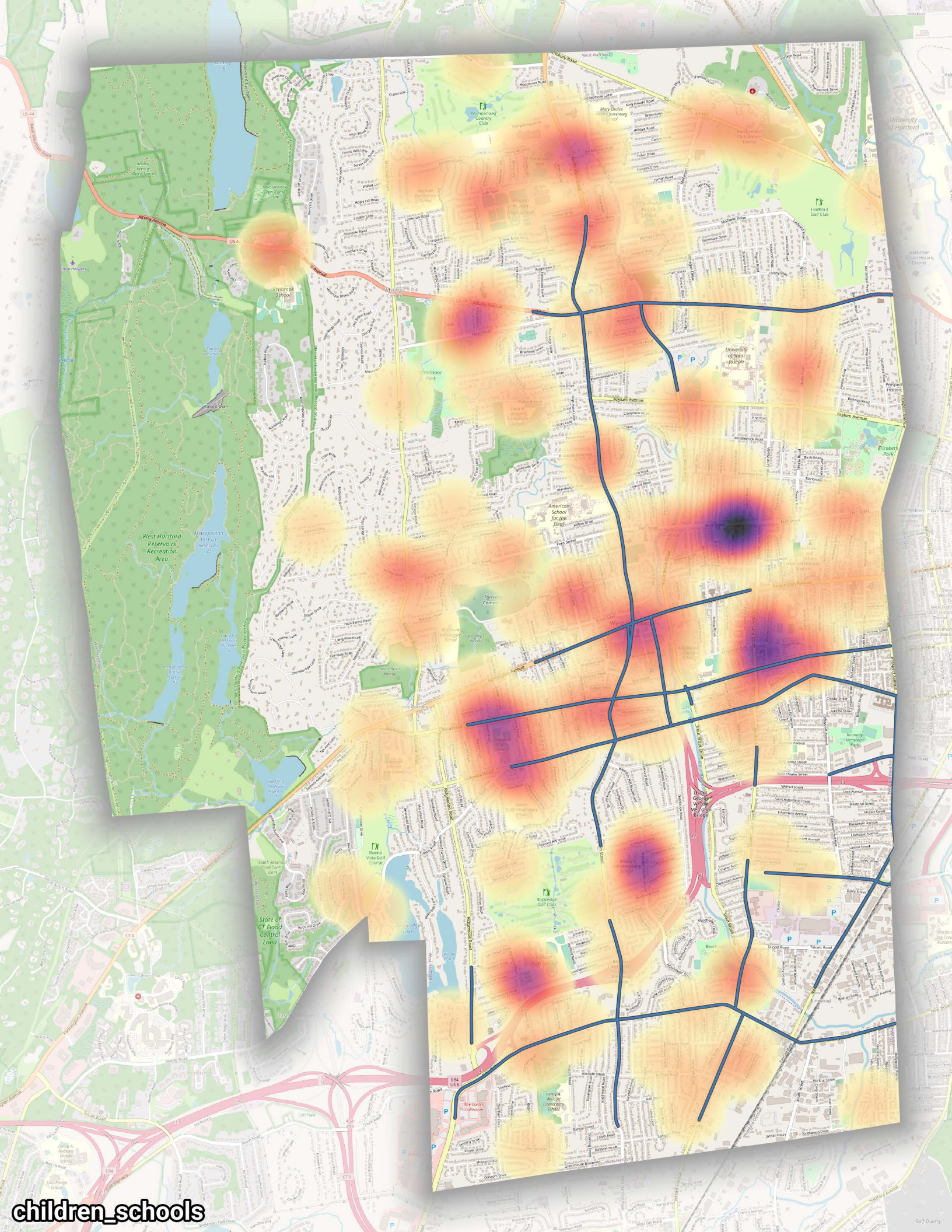
	Education to reduce impaired roadway users	Education to reduce distracted driving	Education to increase awareness of the rules of the road and address behaviors to increase safety for	More speed management (e.g., appropriate speed limits, speed cameras)	More enforcement of traffic laws (e.g., red light camera enforcement)
34 or younger	10	23	39	66	55
35 to 64	20	108	145	307	318
65 or older	8	44	95	140	145
Total # Identified	38	175	279	513	518
% of Total Responses	**5%**	**23%**	**37%**	**67%**	**68%**

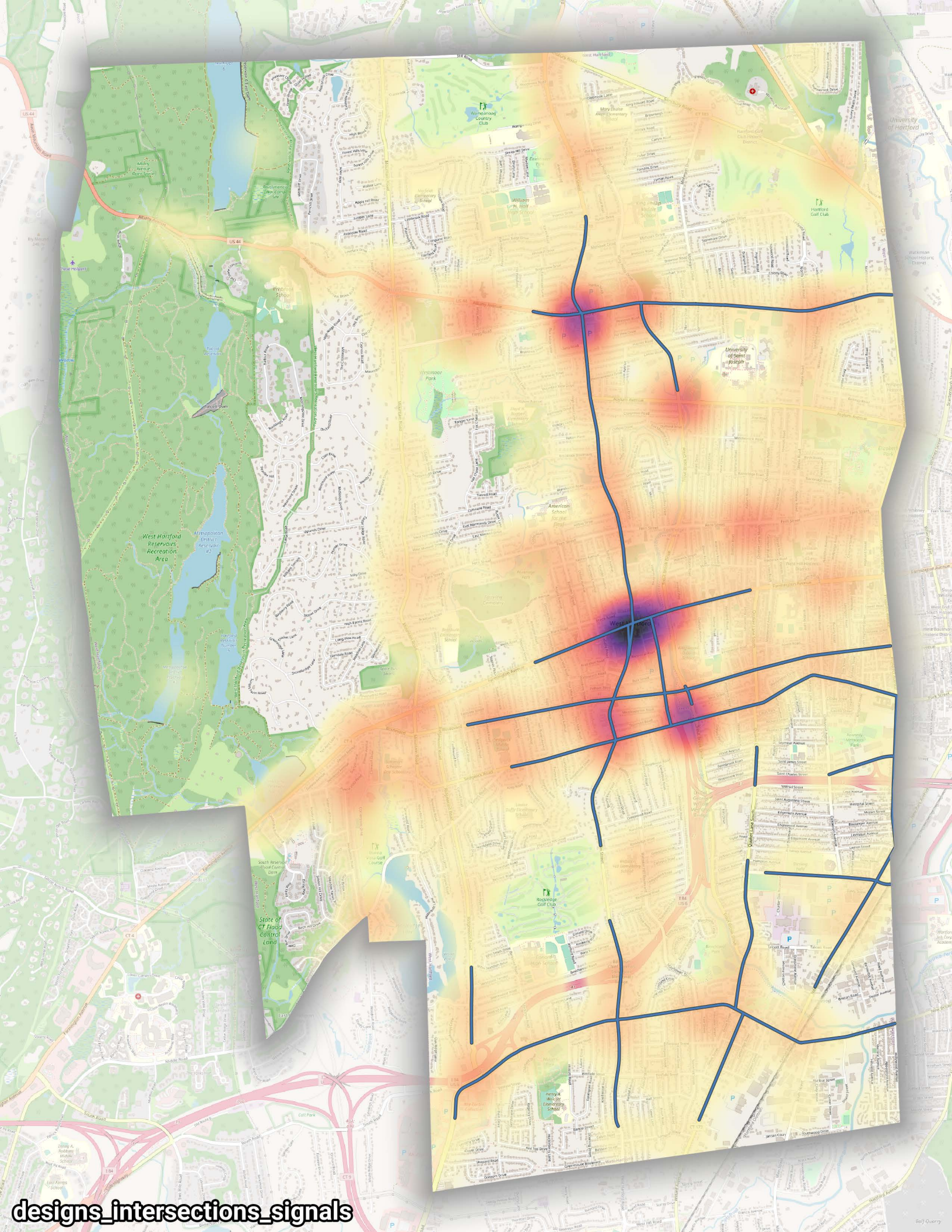
Supplemental Data –Thematic Heatmaps from Webmap Survey

The supplemental data includes heatmaps of each comment theme. The theme is labeled in the lower left of each map.

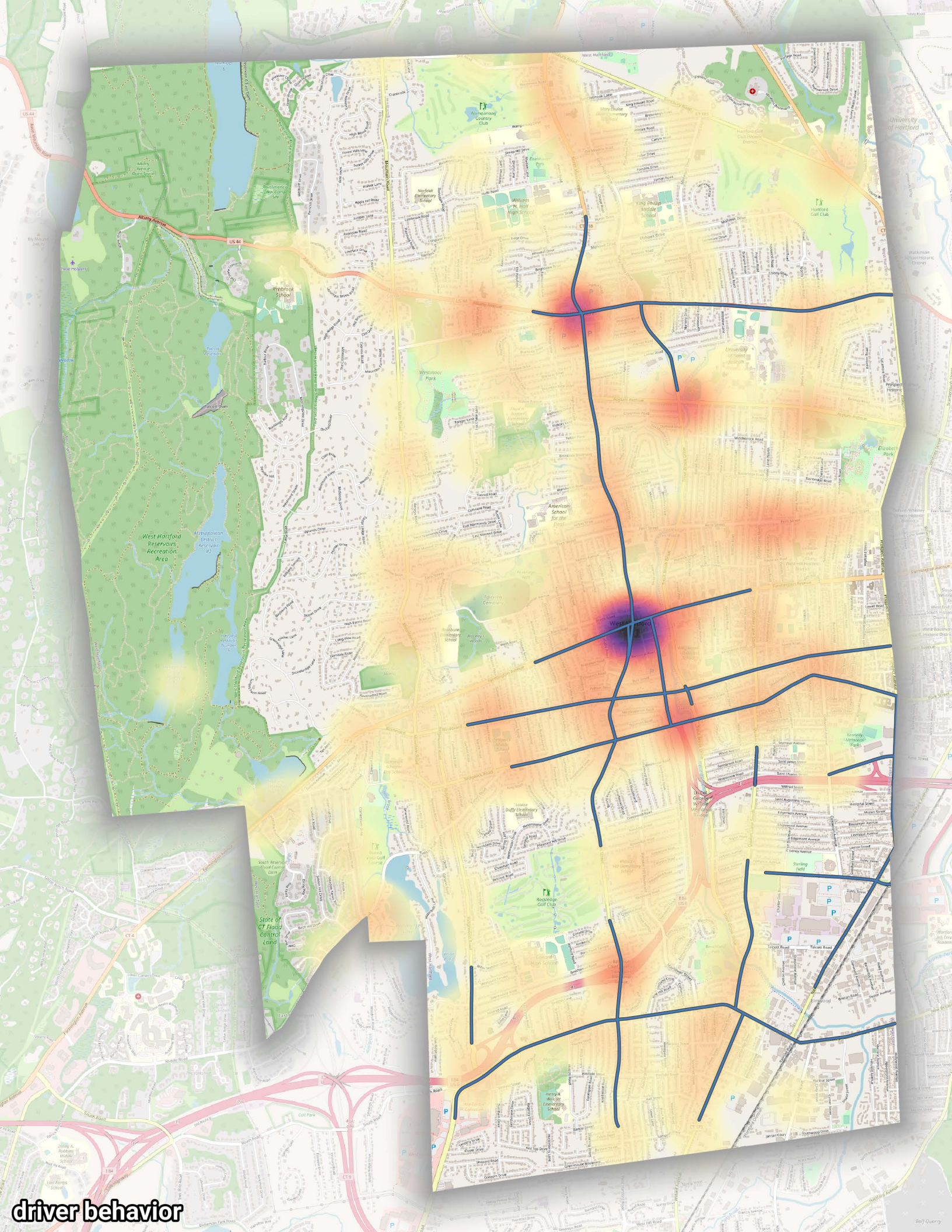

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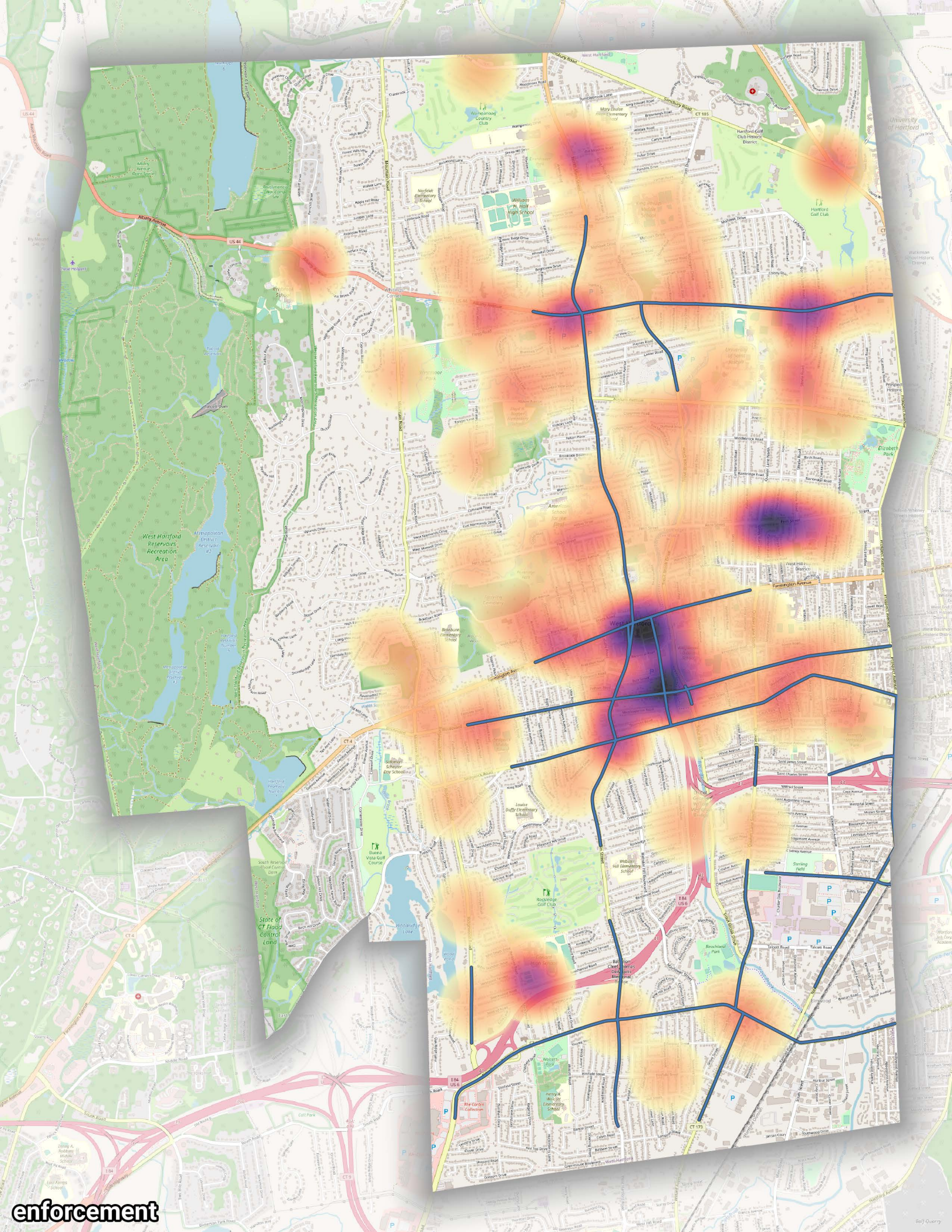

biking

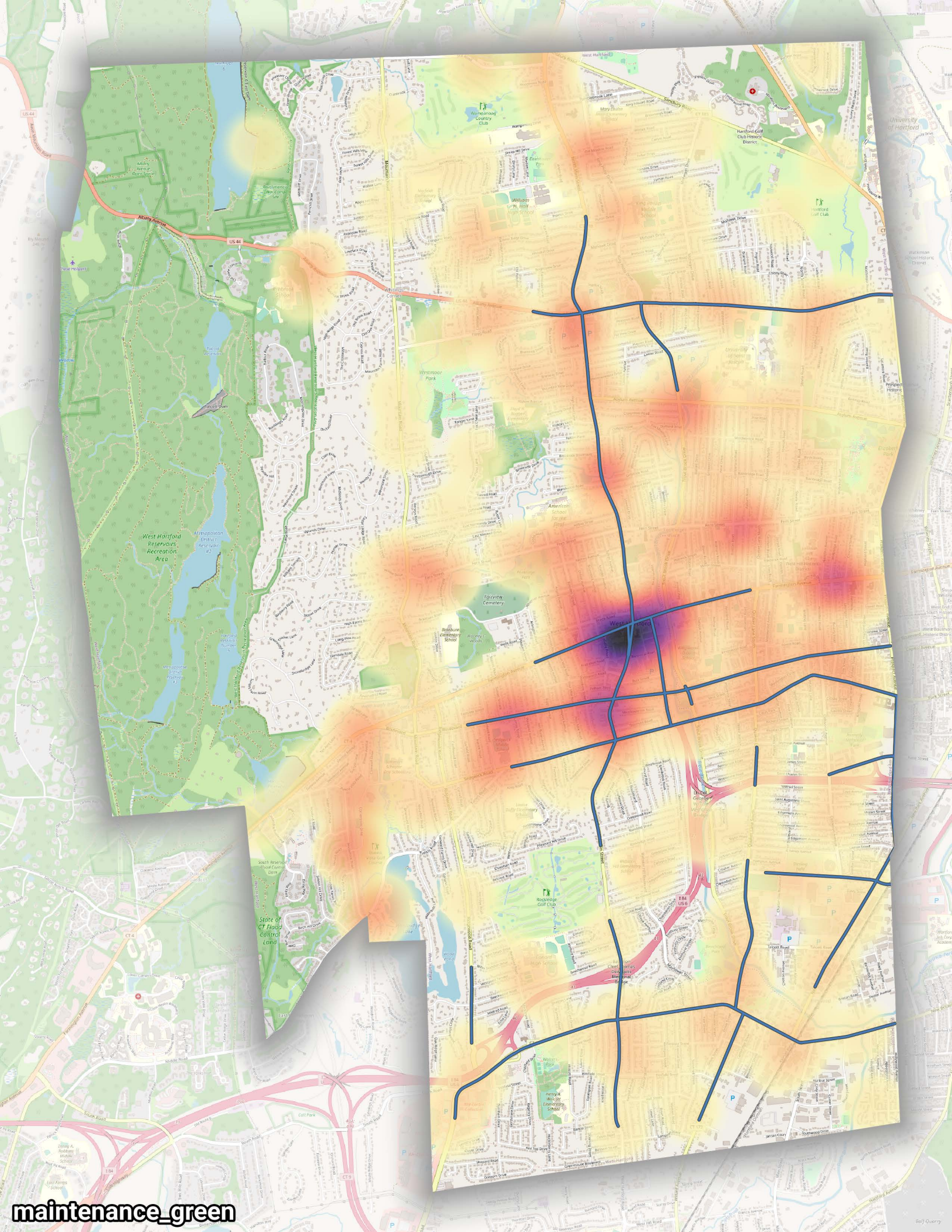

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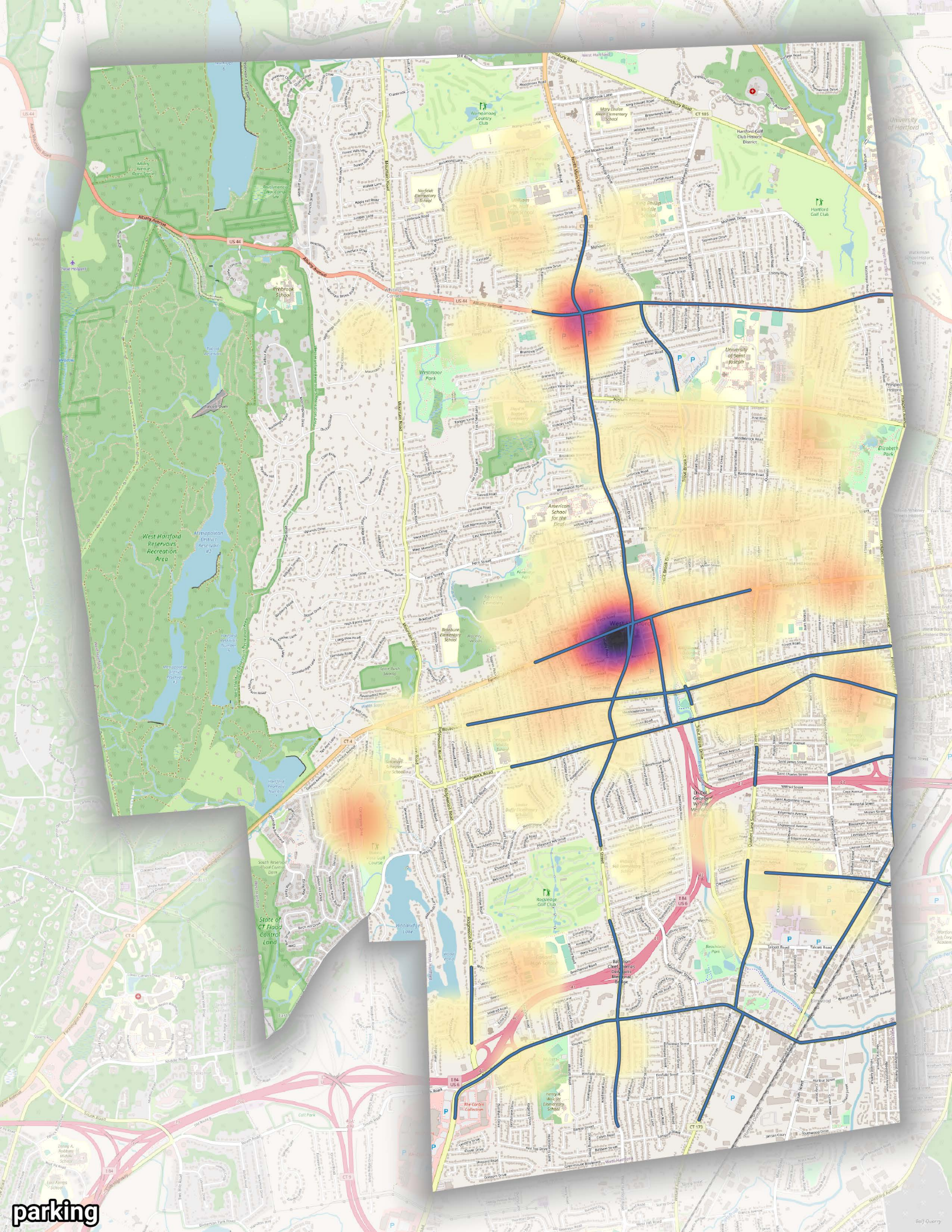


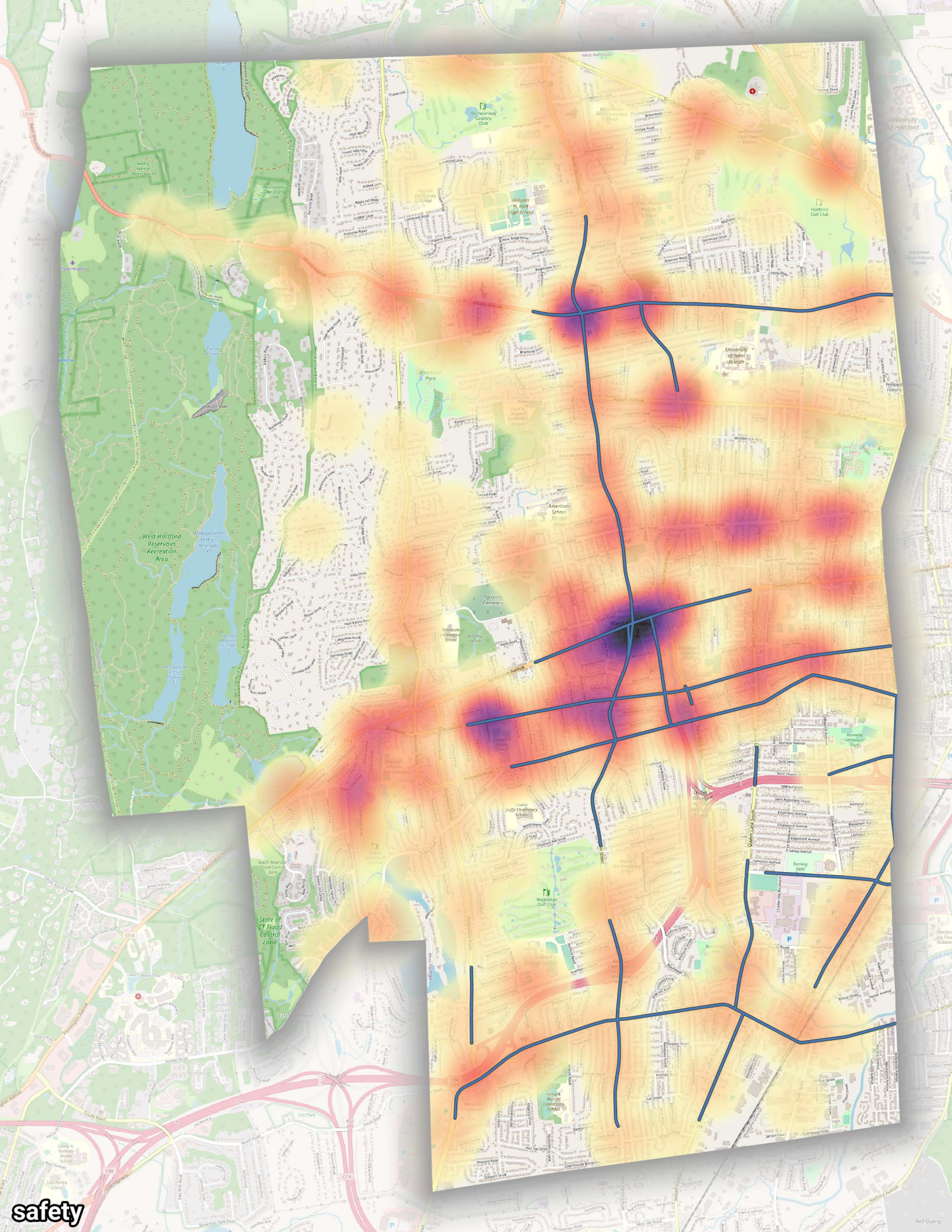
designs_intersections_signals

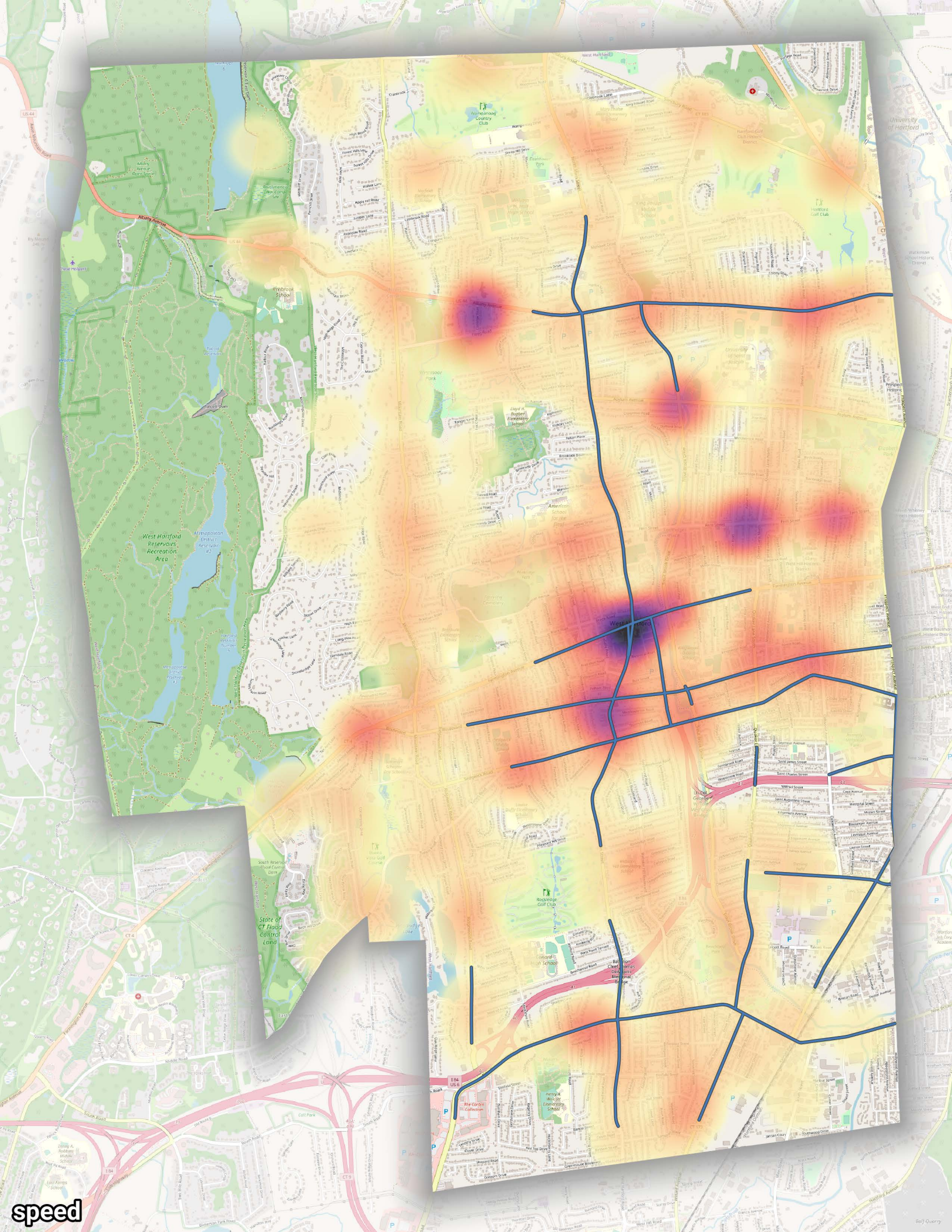

driver behavior

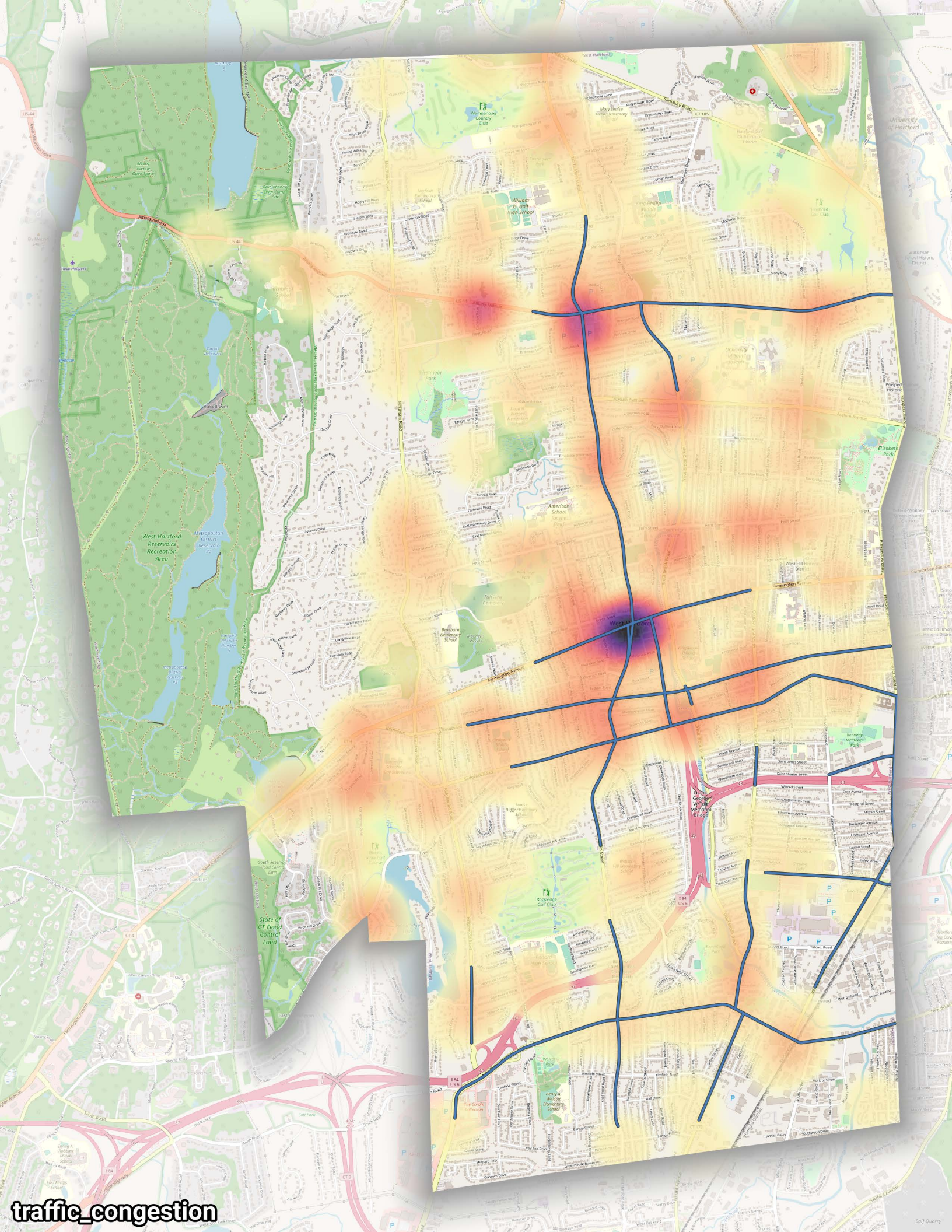

enforcement

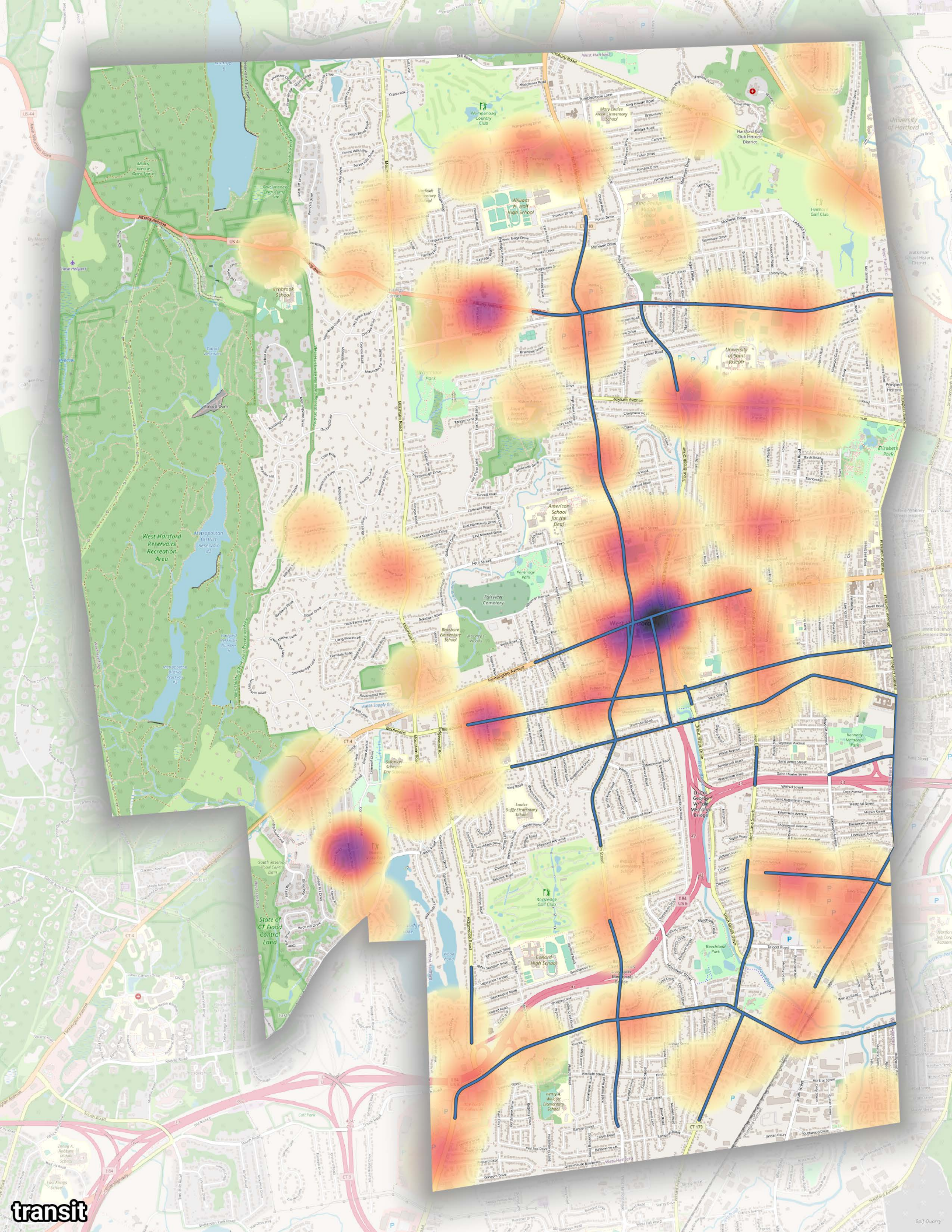

maintenance_green

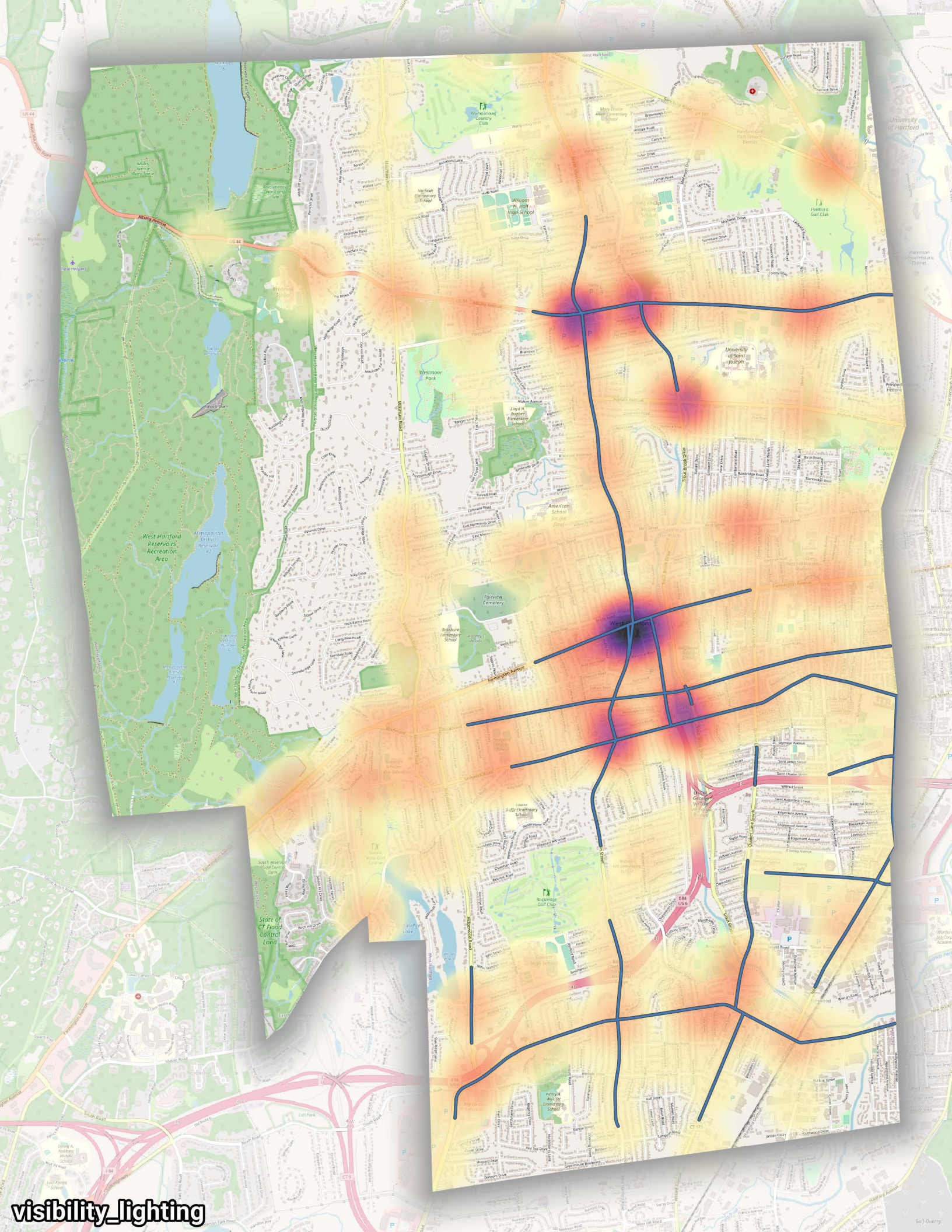

parking

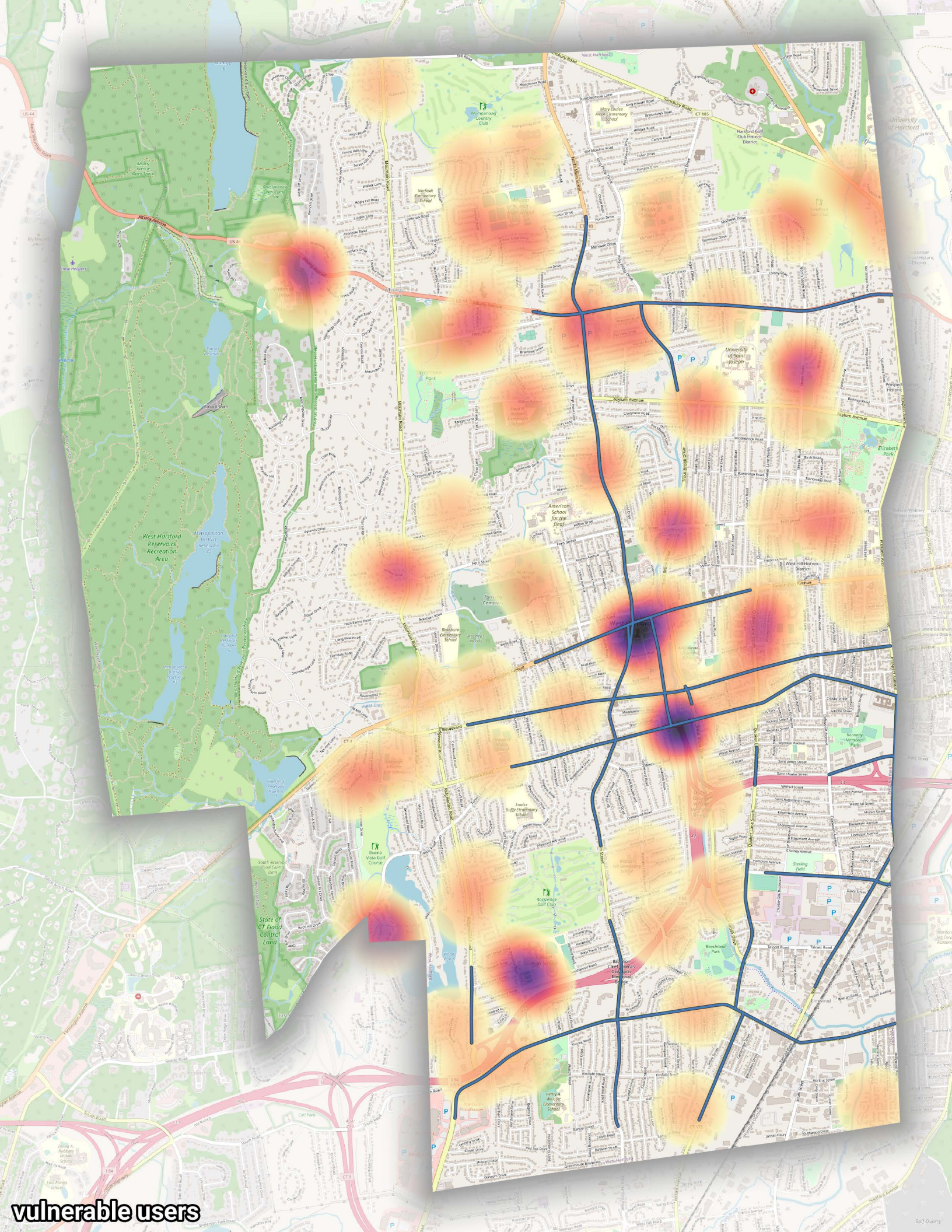

West Hartford Reservoirs Recreation Area
Fairview Cemetery
Westmoor Park
Rockledge Golf Club
Hartford Golf Club
University of Saint Joseph
Sterling Field
State of CT Flood Control Land
safety

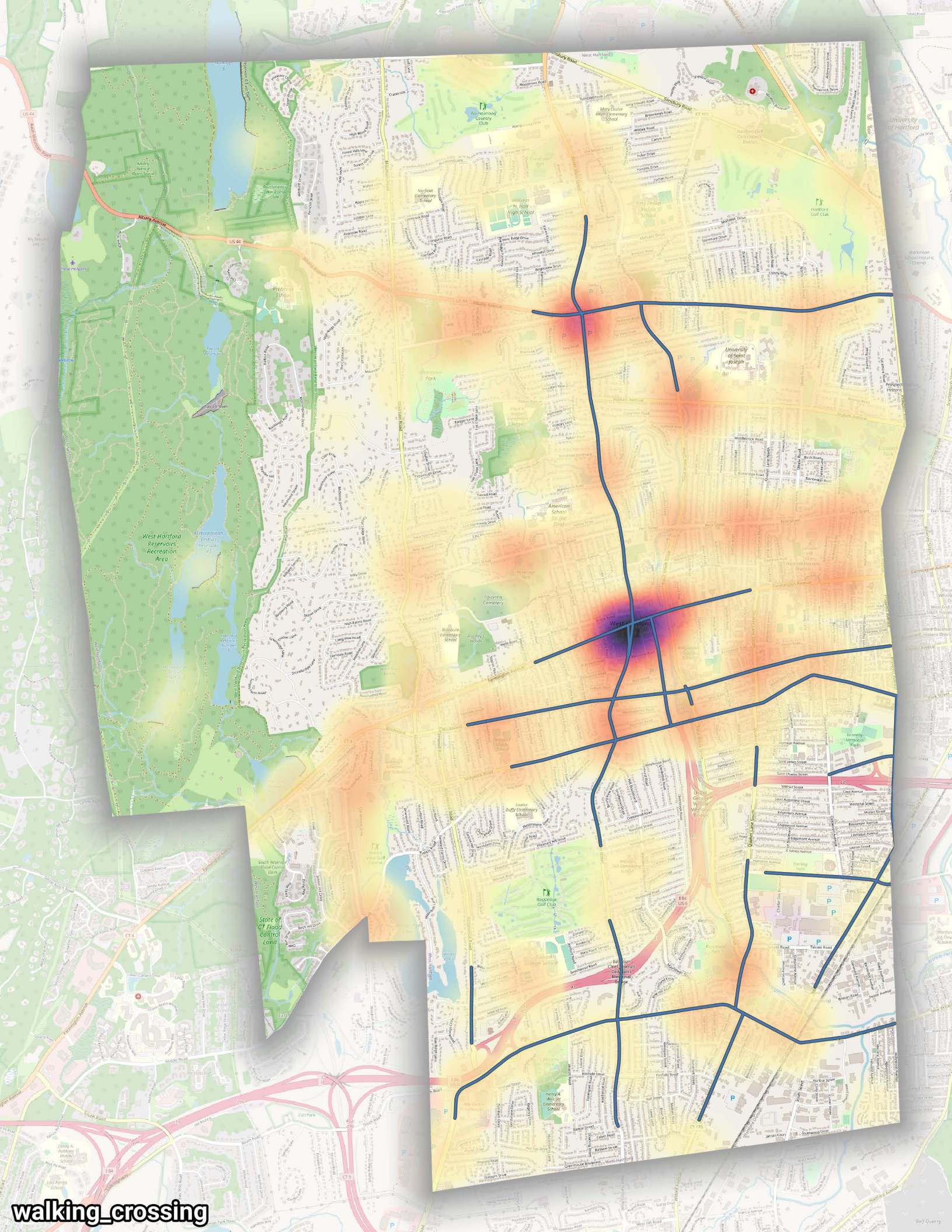

speed


traffic_congestion


transit


visibility_lighting


vulnerable users


walking_crossing