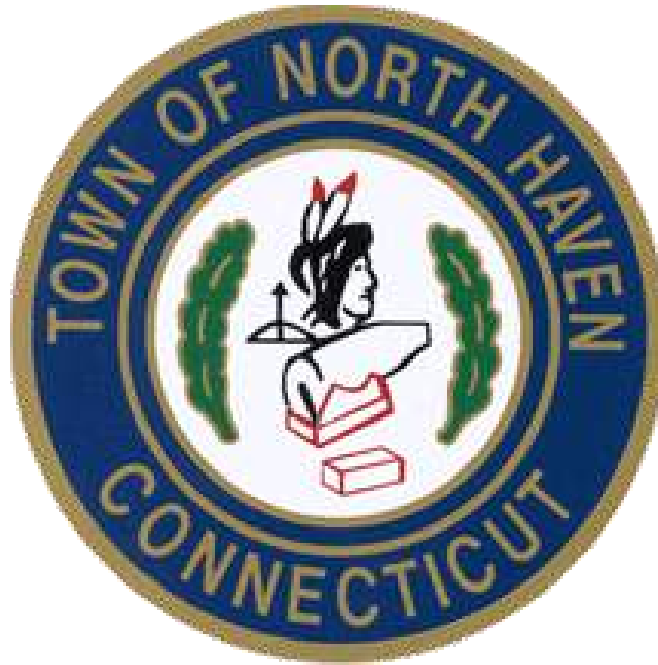


**Town of North Haven Connecticut
Automated Traffic Enforcement Safety Device
Municipal Plan**



Town of North Haven ATESD Municipal Plan
Approved by North Haven Board of Selectmen
Submitted/Prepared By: Chief Andrew Stavrides
Date: May 11, 2026



TOWN OF NORTH HAVEN

DEPARTMENT OF POLICE SERVICES

8 LINSLEY STREET, NORTH HAVEN, CONNECTICUT 06473



Andrew Stavrides
Chief of Police

Joseph Woznyk
Deputy Chief of Police

June 26, 2026
Anna Mermelstein
Executive Director – Office of the State Traffic Administration
Connecticut Dept. of Transportation
2800 Berlin Turnpike
Newington CT 06131

Dear Ms. Mermelstein,

Please accept this comprehensive Automated Traffic Enhancement Safety Device (ATESD) Municipal Plan for the Town of North Haven. Our ATESD plan aligns with Connecticut Public Act 23-116 as well as the Connecticut Department of Transportation's traffic safety goals and initiatives. It is designed to reduce the dangerous conditions within our community overall, and at the selected locations specifically. These dangerous conditions contribute to traffic collisions, serious injuries, and deaths involving pedestrians, bicyclists, motorists and vulnerable roadway users on our roads.

To prepare this Municipal Plan, we have both followed the recommended guidelines and completed the required traffic assessments. These efforts helped to determine the specific roadway locations that we believe will benefit most from automated traffic enforcement. The justification, traffic assessment data, and methodology for each site selection are attached herein. For each location, you will note additional imagery and relevant information that identifies the intended application of the ATESDs. This Town of North Haven ATESD Municipal Plan contains all the required elements.

We hope that you will agree this plan is equitable and will improve traffic safety at the proposed locations, and warrants approval. We do, however, recognize that this is a Town of North Haven collaboration and therefore, we look forward to any feedback from the Office of State Traffic Administration may have with regards to revisions that may be needed prior to permitting these important ATESD devices. If there are any questions we may answer, or additional documentation we may provide, please do let us know.

Sincerely,

Andrew Stavrides
Chief of Police
North Haven Police Department

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Chapter 190
TRAFFIC AND MOTOR VEHICLES

[HISTORY: Adopted by the Town of North Haven: Art. I, 09-29-2025 Special Town Meeting (Effective 10-29-2025); Art. II, 09-29-2025 Special Town Meeting (Effective 10-29-2025; and Art. III, 10-27-2025 Special Town Meeting (Effective 00-00-0000). Amendments noted where applicable.]

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ARTICLE I

Automated Traffic Enforcement Safety Devices

- § 190-1 Authority and declaration of purpose.**
- § 190-2 Definitions.**
- § 190-3 Vendors.**
- § 190-4 Operation and use of automated traffic enforcement safety devices.**
- § 190-5 Violation.**
- § 190-6 Penalty for violation.**
- § 190-7 Fine for violation.**
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- § 190-9 Defenses.**
- § 190-10 Post-assessment procedure to obtain Superior Court judgment; right to appeal assessment.**
- § 190-11 Disclosure of personally identifiable information.**
- § 190-12 Compliance with C.G.S. § 14-307, et seq. and Public Act.**
- § 190-13 Severability.**
- § 190-14 Repealer.**
- § 190-15 Effective date.**

§ 190-1 Authority and declaration of purpose.

Pursuant to the authority granted in Section 11 of Public Act No. 23-116 of the 2023 Session of the Connecticut General Assembly (the “Public Act”) codified in the Connecticut General Statutes (“C.G.S.”) at Section (“§”) 14-307c as may be amended from time to time, the Town of North Haven (the “Town”) hereby authorizes the use of Automated Traffic Enforcement Safety Devices at locations within school zones, pedestrian safety zones, and other places within the boundaries of North Haven, Connecticut, provided that the locations of such devices are identified in a plan submitted to and approved by the Connecticut Department of Transportation.

The purpose of adopting this Automated Traffic Enforcement Safety Devices Ordinance (“Ordinance”) authorizing the use of Automated Traffic Enforcement Safety Devices within the Town is to promote the health, safety, and general welfare of residents of and visitors to the Town

and reduce incidents involving motor vehicles and injuries and fatalities suffered by motor vehicle occupants and pedestrians by enforcing traffic laws and deterring dangerous driving behaviors.

§ 190-2 Definitions.

As provided in C.G.S. § 14-307b, the following words, terms, and phrases, when used in this Ordinance, shall have the meanings ascribed to them in this section:

AUTOMATED TRAFFIC ENFORCEMENT SAFETY DEVICE: Means a device designed to detect and collect evidence of alleged traffic violations by recording images that capture the Number Plate, 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: Means a person who is trained and certified to operate an Automated Traffic Enforcement Safety Device.

NUMBER PLATE: Means any sign or marker furnished by the Commissioner of Motor Vehicles on which is displayed the registration number assigned to a motor vehicle by the Commissioner.

OWNER: Means any person holding title to a motor vehicle, or having the legal right to register the same, including purchasers under conditional bills of sale. Pursuant to C.G.S. § 14-307c(i)(4), in the case of a motor vehicle that is leased for a period of more than thirty (30) days and identified by an Automated Traffic Enforcement Safety Device as allegedly committing a violation of this Ordinance, the lessee shall be considered the Owner of such motor vehicle for the purposes of this Ordinance.

PEDESTRIAN SAFETY ZONE: Means an area designated by the Office of State Traffic Administration or the Traffic Authority of the Town pursuant to C.G.S. § 14-307a.

PERSONALLY IDENTIFIABLE INFORMATION: Means 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, Number Plate, photograph, bank account information, credit card number, debit card number, or the date, time, location, or direction of travel on a highway.

SCHOOL ZONE: Means an area designated by the Office of State Traffic Administration or the Traffic Authority of the Town pursuant to C.G.S. § 14-212b.

TRAFFIC AUTHORITY, TRAFFIC CONTROL SIGN, or TRAFFIC CONTROL SIGNAL shall all have the same meanings as provided in C.G.S. § 14-297.

VENDOR: Means a person who (i) provides services to the Town under this Ordinance; (ii) operates, maintains, leases, or licenses an Automated Traffic Enforcement Safety Device; or (iii) 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.

§ 190-3 Vendors.

The Town 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 fees may not be contingent on the number of citations issued or fines paid pursuant to this Ordinance.

§ 190-4 Operation and use of automated traffic enforcement safety devices.

All Automated Traffic Enforcement Safety Devices shall be operated by an Automated Traffic Enforcement Safety Device Operator and shall be used solely for identifying violations of this Ordinance.

§ 190-5 Violation.

- A. The Owner of a motor vehicle commits a violation of this Ordinance if the person operating such motor vehicle:
 - (1) Exceeds the posted speed limit by ten (10) 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. For the first thirty (30) days after a location is equipped with an operational Automated Traffic Enforcement Safety Device, the Owner of a motor vehicle that allegedly violates this Ordinance that is detected by such device shall receive a written warning instead of a citation.

§ 190-6 Penalty for violation.

- A. Whenever an Automated Traffic Enforcement Safety Device detects and produces recorded images of a motor vehicle allegedly committing a violation of this Ordinance, a sworn member or employee of the Town's Police Department, or an employee of the Town as designated by the 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, a Vendor or such member or employee may issue a citation to the Owner of such motor vehicle by first-class mail.
- B. A citation under this ordinance 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 the motor vehicle violated this Ordinance;
- (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 C.G.S. § 14-307c(h);
- (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 (30) 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 (30) 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 (60) days after the alleged violation.
- E. A member or employee of the Police Department or other employee designated by the Traffic Authority shall request that a citation hearing officer appointed by the Town pursuant to C.G.S. § 7-152c enter an assessment of monetary penalties as set forth in § 190-7 against the Owner, if such Owner does not exercise his/her/their right to a hearing on the issuance of the citation to contest the alleged violation as afforded in § 190-8.

§ 190-7 Fine for violation.

- A. The Town shall impose a fine against the Owner of a motor vehicle that commits a violation of this Ordinance.
- B. The fine for a first violation of this Ordinance shall be fifty dollars (\$50.00). The fine for a second or subsequent violation of this Ordinance that occurs within one (1) year of the date of the Owner's most recent violation shall be seventy-five dollars (\$75.00). Any subsequent violation occurring more than one (1) year after the Owner's most recent violation shall be considered a first violation. These fines shall be imposed against the Owner of the motor vehicle committing a violation of this Ordinance.
- C. Payment of a fine and any associated fees may be made by electronic means.
- D. A reasonable fee, not to exceed fifteen dollars (\$15.00), may be imposed for the costs associated with the electronic processing of the payment of a fine.
- E. Any funds received by the Town of North Haven 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 within the Town.

§ 190-8 Right to hearing on citation and matters related to conduct of hearing.

Any Owner issued a citation for violating the provisions of this Ordinance may, within ten (10) days of the date of the citation, deliver or mail written demand for a hearing to contest the alleged violation before a citation hearing officer appointed by the Town to hear such matters in accordance with C.G.S. § 7-152c, the provisions of which statute relating to the hearing procedure and decision process are included herein, adopted, and made a part hereof by reference. In addition:

- A. The signed certificate issued to the Automated Traffic Enforcement Safety Device Operator by the manufacturer or manufacturer's representative upon such operator's completion of training shall be admitted as evidence in any hearing conducted pursuant to C.G.S. § 7-152c.
- B. The signed certificate of calibration issued to the Town by a calibration laboratory following the annual calibration check of the Automated Traffic Enforcement Safety Device shall be admitted as evidence in any hearing conducted pursuant to C.G.S. § 7-152c.
- C. A manual or automated record of the mailing prepared by the Police Department of a citation issued pursuant to § 190-6 of this Ordinance shall be prima facie

evidence of mailing and shall be admissible in any hearing conducted pursuant to C.G.S. § 7-152c as to the facts contained in the citation.

§ 190-9 Defenses.

The defenses available to the Owner of a motor vehicle that is alleged to have committed a violation of this Ordinance shall include, but are not limited to, 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)(1).
- B. The Traffic Control Signal was inoperative, which is observable on the recorded images.
- C. The violation was necessary for the operator to comply with an order or direction from a law enforcement officer, which is observable on the recorded images.
- D. The violation was necessary to allow the passage of an authorized emergency vehicle, which is observable on the recorded images.
- E. The violation took place during a period of time in which the motor vehicle had been reported as being stolen to a law enforcement unit, 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 C.G.S. § 14-307c(h).

§ 190-10 Post-assessment procedure to obtain Superior Court judgment; right to appeal assessment.

- A. In accordance with C.G.S. § 7-152c(f), if any assessment entered by the citation hearing officer is not paid on the date of its entry, the hearing officer shall send by first-class mail a notice of the assessment to the Owner found liable and shall file, not less than thirty (30) days or more than twelve (12) months after such mailing, a certified copy of the notice of assessment with the clerk of a Superior Court facility designated by the Chief Court Administrator together with an entry fee of eight dollars (\$8.00). The certified copy of the notice of assessment shall constitute a record of assessment. Within such twelve-month period, assessments against the same Owner may be accrued and filed as one record of assessment. The clerk shall enter judgment, in the amount of such record of assessment and court costs of eight dollars (\$8.00), against such Owner in favor of the Town. Notwithstanding any provision of the General Statutes, the hearing officer's assessment, when so entered as a judgment, shall have the effect of a civil money judgment and a levy of execution on such judgment may issue without further notice to such Owner.
- B. Pursuant to C.G.S. § 7-152c(g), an Owner against whom an assessment has been entered pursuant to this Ordinance is entitled to judicial review by way of appeal.

An appeal shall be instituted within thirty (30) days of the mailing of notice of such assessment by filing a petition to reopen assessment, together with an entry fee in an amount equal to the entry fee for a small claims case pursuant to C.G.S. § 52-259, at the Superior Court facility designated by the Chief Court Administrator, which shall entitle such Owner to a hearing in accordance with the rules of the judges of the Superior Court.

§ 190-11 Disclosure of personally identifiable information.

- A. 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 Ordinance.
- C. The Town or a Vendor shall destroy all Personally Identifiable Information and other data that specifically identifies a motor vehicle and relates to a violation of this Ordinance not later than thirty (30) 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 a Vendor may retain a portion of Personally Identifiable Information for the limited purpose of determining whether an Owner committed a second or subsequent violation of this Ordinance. In such instance, the Town or a Vendor shall destroy any retained portion of Personally Identifiable Information no later than one (1) year after the date of such Owner's most recent violation.
- D. Any information and other data gathered from Automated Traffic Enforcement Safety Devices shall be subject to disclosure under the Freedom of Information Act, as defined in C.G.S. § 1-200, except that no Personally Identifiable Information may be disclosed.

§ 190-12 Compliance with C.G.S. § 14-307c, et seq. and Public Act.

To the extent of applicability and/or in the event this Ordinance omits any material statutory element or requirement, the provisions of the Public Act and C.G.S. §§ 14-307c through 14-307g that are necessary to further and/or effectuate this Ordinance or to render this Ordinance compliant with the Public Act and such statutory provisions are hereby incorporated and adopted in toto, herein.

§ 190-13 Severability.

If any section, subsection, sentence, clause, or phrase of this Ordinance 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 Ordinance.

§ 190-14 Repealer.

All ordinances, bylaws, orders, resolutions, or parts thereof, inconsistent herewith are hereby repealed to the extent only of such inconsistency. This repealer shall not be construed to revive any ordinances, bylaws, orders, resolutions, or parts thereof, heretofore repealed.

§ 190-15 Effective date.

This Ordinance shall take effect fifteen (15) days after publication of a summary of the Ordinance in a newspaper having a circulation in the Town of North Haven.

**TOWN OF NORTH HAVEN BOARD OF SELECTMEN
NOTICE OF PUBLIC HEARING**

**TO RESIDENTS AND TAXPAYERS OF THE TOWN OF NORTH HAVEN AND OTHER
INTERESTED PARTIES:**

Notice is hereby given that the Board of Selectmen will hold a Public Hearing on the Town of North Haven, Connecticut Automated Traffic Enforcement Safety Device Municipal Plan, prepared pursuant to Connecticut General Statutes Section 14-307e, at the regular meeting of the Board scheduled for Thursday, March 5, 2026 at 6:30 PM in the Community Room of the North Haven Memorial Library at 17 Elm Street, North Haven. A copy of the ATESD Municipal Plan will be posted on or before Wednesday, February 25, 2026 in the Town Clerk's Office and on the Board of Selectmen's 2026 meeting page on the Town website at https://www.northhaven-ct.gov/government/public_meetings/board_of_selectmen/2026.php.

AGENDA

SELECTMEN'S MEETING

March 5, 2026 – 6:30 p.m.

Community Room of the North Haven Library

17 Elm Street, North Haven, CT 06473

1. Girl Scout Recognition and Pledge of Allegiance
2. Public Hearing on the Town of North Haven, Connecticut Automated Traffic Enforcement Safety Device (ATESD) Municipal Plan, prepared pursuant to Connecticut General Statutes Section 14-307e. [Please note that a copy of the ATESD Municipal Plan is available for review at the Town Clerk's Office and on the Board of Selectmen's 2026 meeting page on the Town website at https://www.northhaven-ct.gov/government/public_meetings/board_of_selectmen/2026.php.]
3. To consider and vote upon a resolution to approve the Town of North Haven, Connecticut Automated Traffic Enforcement Safety Device (ATESD) Municipal Plan, prepared pursuant to Connecticut General Statutes Section 14-307e, and to authorize the Police Chief and Town Attorney to review and approve any necessary minor corrections or revisions to the Municipal Plan prior to its submission to the Connecticut Department of Transportation.
4. **RESOLVED** that: Following a public hearing on the Town of North Haven, Connecticut Automated Traffic Enforcement Safety Device (ATESD) Municipal Plan prepared pursuant to Connecticut General Statutes Section 14-307e, the Municipal Plan is approved, and the Police Chief and Town Attorney are authorized to review and approve any necessary minor corrections or revisions to the Municipal Plan prior to its submission to the Connecticut Department of Transportation.
5. Public Comments relative to the agenda
6. Approval of the minutes of the January 5, 2026 Board of Selectmen's Budget Workshop meeting.
7. Approval of the minutes of the February 5, 2026 Board of Selectmen's meeting.
8. First Selectman's Overview
9. Consider and act upon a resolution recommending a \$400,000 appropriation and bond authorization for interior renovations to Memorial Town Hall.
10. **RESOLVED**, that the Board of Selectmen recommends that the Town of North

Haven appropriate \$400,000 for interior renovations to Memorial Town Hall; the project shall consist of asbestos abatement, exterior masonry restoration, electrical modifications, and other related improvements and repairs; the appropriation may be spent for design, demolition and construction costs, equipment, materials, engineering fees, other consultants' fees, legal fees, net temporary interest and other financing costs, and other expenses related to the project; and that the Town issue bonds or notes and temporary notes in an amount not to exceed \$400,000 to finance the appropriation. The total amount of bonds issued shall be reduced by the amount of grants or other funds received and not separately appropriated for the project.

11. Consider and act upon a resolution recommending an additional \$900,000 (for an aggregate \$7,307,000) appropriation and bond authorization for cost related to the previously approved repairs and improvements to various Town roads and bridges, consisting of Pool Road drainage improvements, Kings Highway bridge replacement, Hartford Turnpike headwall replacement, and the milling and paving of various Town roadways, more particularly the Kings Highway bridge replacement.
12. **RESOLVED**, that the Board of Selectmen recommends that the Town of North Haven appropriate an additional \$900,000 (for an aggregate \$7,307,000) for costs related to the previously approved repairs and improvements to various Town roads and bridges, consisting of Pool Road drainage improvements, Kings Highway bridge replacement, Hartford Turnpike headwall replacement, and the milling and paving of various Town roadways, more particularly the Kings Highway bridge replacement; the appropriation may be spent for design, demolition and removal of materials, construction, equipment, materials, site improvements, survey costs, architects' fees, engineering fees, other consultants' fees, legal fees, net temporary interest and other financing costs, and other expenses related to the project; and that the Town authorize the issue of an additional \$900,000 (for an aggregate \$7,307,000) bonds or notes and temporary notes to finance the appropriation, the amount of bonds or notes authorized to be reduced by the amount of grants received and not separately appropriated for the project, such grants are anticipated to be \$450,000 in State LOTCIP funds.
13. Consider and act upon a resolution recommending a \$23,000,000 appropriation and bond authorization for improvements and repairs to the water pollution control facility, consisting of improvements and repairs to the primary clarifier, electrical distribution system and related work at the water pollution control facility on Universal Drive.
14. **RESOLVED**, that the Board of Selectmen recommends that the Town of North Haven appropriate \$23,000,000 for improvements and repairs to the water pollution control facility, consisting of improvements and repairs to the primary clarifier, electrical distribution system and related work at the water pollution

control facility on Universal Drive; the appropriation may be spent for acquisition costs, installation costs, design, engineering and other consultants' fees, legal fees, net temporary interest and other financing costs, and other expenses related to the project; and that the Town issue bonds or notes and temporary notes in an amount not to exceed \$23,000,000 to finance the appropriation. The total amount of bonds issued shall be reduced by the amount of grants received and not separately appropriated for the project. It is anticipated that the payment of the expenses of the project, including all debt service on bonds, notes, obligations, temporary notes and interim funding obligations issued shall be paid from the Water Pollution Control Authority service fee account.

15. Consider and act upon a resolution calling for a Special Town Meeting to consider, discuss and act upon resolutions concerning the aforesaid appropriations and bond authorizations.

16. **RESOLVED**, that a Special Town Meeting be held Thursday, March 26, 2026, at 6:00 P.M., in the Community Room of the North Haven Memorial Library, 17 Elm Street in North Haven, Connecticut, to act upon the above recommendation concerning the aforesaid said appropriations and bond authorizations; and that the Notice for the Special Town Meeting presented at this meeting be approved and signed.

17. Resignations and Appointments –

- Reappointment of Michael J. Freda – 90 Highland Park Road, North Haven, CT, 06473 to the Greater New Haven Transit District Board of Directors for a four (4) year term to expire April 1, 2030.
- Appointment of Giacomo Tolomeo, Esq. – 31 Washington Avenue, North Haven, CT 06473 as the Motor Vehicle Citation Hearing Officer for the Town of North Haven.

18. Property Tax Refunds –

- ARI Fleet LT LTD – 4001 Leadnhall Road, Mount Laurel, NJ 08054-4611 in the amount of \$476.96; and in the amount of \$174.25; and in the amount of \$230.14; and in the amount of \$327.36; and in the amount of \$587.53; and in the amount of \$98.13; and in the amount of \$293.47; and in the amount of \$117.53; and in the amount of \$249.42; and in the amount of \$125.85; and in the amount of \$372.64; and in the amount of \$183.58.
- Chacon, De Gomez, Josephina – 2 Primrose Street, North Haven, CT 06473 in the amount of \$34.38.
- Crocker, Richard J. & Rios, Laurie – 14 Russell Road, North Haven, CT 06473 in the amount of \$6,050.50.
- Diaz, Cuevas, Luis J. – 3331 Avalon Haven Drive, North Haven, CT 06473 in the amount of \$13.20.

- Enterprise FM Trust – 2281 Ball Road, Saint Louis, MO 63146-8603 in the amount of \$796.54.
- Financial Services Vehicle Trust – 1400 City View Drive, Columbus, OH 43214 in the amount of \$613.51.
- Mead, Alden W. – 200 Rimmon Road, North Haven, CT 06473 in the amount of \$4,297.92.
- Smith, Sean T. – 69 Whitney Ridge Terrace, North Haven, CT 06473 in the amount of \$124.50.
- Soderholm, Brian D. / Soderholm, Kathleen F. – 63 Maple Avenue, North Haven, CT 06473 in the amount of \$518.05.
- Toyota Lease Trust – Lockbox 830238, 525 Fellowship Road, Suite 330, Mt. Laurel, NJ 08054-3415 in the amount of \$196.26.
- VW Credit Leasing LTD. – 1401 Franklin Boulevard, Libertyville, IL 60048-4460 in the amount of \$387.13.

19. Next regular meeting of the Board of Selectmen – **Thursday April 9, 2026** *(second Thursday in April due to Passover)* at 6:30 p.m. in the Community Room of the North Haven Library, 17 Elm Street, North Haven, CT.

20. Public Comment

21. Adjournment

ATESD OVERALL PROGRAM - REQUIRED DOCUMENTS
C. Plan Approval Public Hearing Meeting Minutes, Voted
Approval of Plan

MEETING MINUTES OF THE BOARD OF SELECTMEN

MARCH 5, 2026

A meeting of the North Haven Board of Selectmen was held on Thursday, March 5, 2026 at 6:30 p.m. in Community Room of the North Haven Library, 17 Elm Street, North Haven, CT.

Members Present:

Michael J. Freda, First Selectman
William J. Pieper, Second Selectman
David A. Cohen, Third Selectman

Staff Present:

Valerie Goodkin, Executive Assistant
Andrew Stavrides, Chief of Police

Other:

Jennifer Coppola, Town Counsel
Martin Plank, Altumint

Mr. Freda called the meeting to order at 6:33 pm and welcomed Selectman William Pieper, Selectman David Cohen and members of the public. Mr. Freda asked the Girl Scouts to lead the public in reciting the Pledge of Allegiance.

Mr. Freda then honored the Girl Scouts with a proclamation recognizing March 8th – 14th as Girl Scout Week in North Haven. The Selectmen then gathered with the girls for photos and the girls presented the Selectmen with cookies.

Attorney Jennifer Coppola commenced the Public Hearing on the Town of North Haven Connecticut Automated Traffic Enforcement Safety Device (ATESD) Municipal Plan prepared pursuant to Connecticut General Statutes Section 14-307e at 6:44 pm.

Attorney Coppola and Chief Stavrides provided an overview of the ATESD Plan in detail. Highlights of their presentation included the following:

- North Haven is proposing to install automated traffic enforcement cameras in our school zones.
- The intent is to reduce speeding and increase safety, especially in school zones.
- The cameras will capture vehicles driving 11 miles over the speed limit.
- Citations will be mailed to the vehicle owner.

- Fines will be imposed, \$50 for the first violation, \$75 for the second violation within one year.
- For the first 30 days after installation drivers will receive warning notices only and no fine will be due.
- Violators can request a hearing (overseen by an appointed Citation Hearing Officer of the Town) if they feel they are not at fault.
- There will be signage warning drivers of the camera locations.
- Images are not retained or stored.
- There are no points against your license.
- There is no fee to the Town for services provided by Altumint.
- Funds received by the Town of North Haven from fines imposed pursuant to this program shall be used for the purpose of improving transportation mobility, investing in transportation infrastructure or paying the costs associated with the use of ATESD.

Following Attorney Coppola's overview, the public was invited to comment.

Mary White, Summer Lane, had several questions: Does the camera takes photos of all cars or just those over the 11 mph speed, how tall is the pole, what is the power source, and is there a plan for other problem areas?

Sue Benvenuti, Bassett Road, inquired about the speed limit on Clintonville Road and had suggestions for creating an exit from Clintonville school onto Sachem Road.

Ed Reinholtz, Del Avenue, also commented on Clintonville Road and the need for an additional traffic light.

Jerry Feinberg, Brockett Farm Road, questioned the speed limit on Hartford Tpke, he also questioned if the cameras could be set to just capture offenders during the day, and he felt that if the digital solar speed signs were installed in the school zone it would work together with the cameras to help people know their speed and slow down. He also asked if the agreement with Altumint could be made available.

Nancy Barrett, Crestview Drive inquired about additional zones, and the time of day that the cameras are in use, as well as the procedure for changing the speed limit.

At the conclusion of the hearing, *Mr. Piper introduced the following resolution and motioned for approval with a second from Mr. Cohen.*

RESOLVED that: Following a public hearing on the Town of North Haven, Connecticut Automated Traffic Enforcement Safety Device (ATESD) Municipal Plan prepared pursuant to Connecticut General Statutes Section 14-307e, the

Municipal Plan is approved, and the Police Chief and Town Attorney are authorized to review and approve any necessary minor corrections or revisions to the Municipal Plan prior to its submission to the Connecticut Department of Transportation.

VOTE: Freda – yes; Pieper – yes; Cohen – yes

With the public hearing concluded and the vote to approve the ATESD Municipal Plan, Mr. Freda asked if there was any Public Comment relative to the agenda. Hearing none he asked for a motion to approve the minutes.

Mr. Pieper motioned with a second from Mr. Cohen for the approval of the minutes of the January 5, 2026 Board of Selectmen's Budget Workshop meeting.

VOTE: Freda – yes; Pieper – yes; Cohen – yes

Mr. Pieper motioned with a second from Mr. Cohen for the approval of the minutes of the February 5, 2026 Board of Selectmen's meeting.

VOTE: Freda – yes; Pieper – yes; Cohen – yes

Mr. Freda stated that he would be dispensing with his overview followed by the introduction of the following resolution and approval with a *motion from Mr. Cohen, seconded by Mr. Pieper.*

RESOLVED, that the Board of Selectmen recommends that the Town of North Haven appropriate \$400,000 for interior renovations to Memorial Town Hall; the project shall consist of asbestos abatement, exterior masonry restoration, electrical modifications, and other related improvements and repairs; the appropriation may be spent for design, demolition and construction costs, equipment, materials, engineering fees, other consultants' fees, legal fees, net temporary interest and other financing costs, and other expenses related to the project; and that the Town issue bonds or notes and temporary notes in an amount not to exceed \$400,000 to finance the appropriation. The total amount of bonds issued shall be reduced by the amount of grants or other funds received and not separately appropriated for the project.

VOTE: Freda – yes; Pieper – yes; Cohen – yes

Mr. Pieper introduced the following resolution and motioned for approval with a second from Mr. Cohen.

RESOLVED, that the Board of Selectmen recommends that the Town of North Haven appropriate an additional \$900,000 (for an aggregate \$7,307,000) for costs related to the previously approved repairs and improvements to various Town roads and bridges, consisting of Pool Road drainage improvements, Kings Highway bridge replacement, Hartford Turnpike headwall replacement, and the

milling and paving of various Town roadways, more particularly the Kings Highway bridge replacement; the appropriation may be spent for design, demolition and removal of materials, construction, equipment, materials, site improvements, survey costs, architects' fees, engineering fees, other consultants' fees, legal fees, net temporary interest and other financing costs, and other expenses related to the project; and that the Town authorize the issue of an additional \$900,000 (for an aggregate \$7,307,000) bonds or notes and temporary notes to finance the appropriation, the amount of bonds or notes authorized to be reduced by the amount of grants received and not separately appropriated for the project, such grants are anticipated to be \$450,000 in State LOTCIP funds.

VOTE: Freda – yes; Pieper – yes; Cohen – yes

Mr. Cohen introduced the following resolution and motioned for approval with a second from Mr. Pieper.

RESOLVED, that the Board of Selectmen recommends that the Town of North Haven appropriate \$23,000,000 for improvements and repairs to the water pollution control facility, consisting of improvements and repairs to the primary clarifier, electrical distribution system and related work at the water pollution control facility on Universal Drive; the appropriation may be spent for acquisition costs, installation costs, design, engineering and other consultants' fees, legal fees, net temporary interest and other financing costs, and other expenses related to the project; and that the Town issue bonds or notes and temporary notes in an amount not to exceed \$23,000,000 to finance the appropriation. The total amount of bonds issued shall be reduced by the amount of grants received and not separately appropriated for the project. It is anticipated that the payment of the expenses of the project, including all debt service on bonds, notes, obligations, temporary notes and interim funding obligations issued shall be paid from the Water Pollution Control Authority service fee account.

VOTE: Freda – yes; Pieper – yes; Cohen – yes

Mr. Cohen motioned with a second from Mr. Pieper for the call of the Special Town Meeting.

RESOLVED, that a Special Town Meeting be held Thursday, March 26, 2026, at 6:00 P.M., in the Community Room of the North Haven Memorial Library, 17 Elm Street in North Haven, Connecticut, to act upon the above recommendation concerning the aforesaid said appropriations and bond authorizations; and that the Notice for the Special Town Meeting presented at this meeting be approved and signed.

VOTE: Freda – yes; Pieper – yes; Cohen – yes

Mr. Cohen motioned with a second from Mr. Pieper for the reappointment of Michael J. Freda – 90 Highland Park Road, North Haven, CT, 06473 to the Greater New Haven Transit District Board of Directors for a four (4) year term to

expire April 1, 2030.

VOTE: Freda – abstain; Pieper – yes; Cohen – yes

Mr. Cohen motioned with a second from Mr. Pieper for the appointment of Giacomo Tolomeo, Esq. – 31 Washington Avenue, North Haven, CT 06473 as the Motor Vehicle Citation Hearing Officer for the Town of North Haven.

VOTE: Freda – yes; Pieper – yes; Cohen – yes

Mr. Cohen motioned with a second from Mr. Pieper for the approval of the following Property Tax Refunds:

VOTE: Freda – yes; Pieper – yes; Cohen – yes

- ARI Fleet LT LTD – 4001 Leadnhall Road, Mount Laurel, NJ 08054-4611 in the amount of \$476.96; and in the amount of \$174.25; and in the amount of \$230.14; and in the amount of \$327.36; and in the amount of \$587.53; and in the amount of \$98.13; and in the amount of \$293.47; and in the amount of \$117.53; and in the amount of \$249.42; and in the amount of \$125.85; and in the amount of \$372.64; and in the amount of \$183.58.
- Chacon, De Gomez, Josephina – 2 Primrose Street, North Haven, CT 06473 in the amount of \$34.38.
- Crocker, Richard J. & Rios, Laurie – 14 Russell Road, North Haven, CT 06473 in the amount of \$6,050.50.
- Diaz, Cuevas, Luis J. – 3331 Avalon Haven Drive, North Haven, CT 06473 in the amount of \$13.20.
- Enterprise FM Trust – 2281 Ball Road, Saint Louis, MO 63146-8603 in the amount of \$796.54.
- Financial Services Vehicle Trust – 1400 City View Drive, Columbus, OH 43214 in the amount of \$613.51.
- Mead, Alden W. – 200 Rimmon Road, North Haven, CT 06473 in the amount of \$4,297.92.
- Smith, Sean T. – 69 Whitney Ridge Terrace, North Haven, CT 06473 in the amount of \$124.50.
- Soderholm, Brian D. / Soderholm, Kathleen F. – 63 Maple Avenue, North Haven, CT 06473 in the amount of \$518.05.
- Toyota Lease Trust – Lockbox 830238, 525 Fellowship Road, Suite 330, Mt. Laurel, NJ 08054-3415 in the amount of \$196.26.
- VW Credit Leasing LTD. – 1401 Franklin Boulevard, Libertyville, IL 60048-4460 in the amount of \$387.13.

Mr. Freda stated that due to Passover, the next regular meeting of the Board of Selectmen will be on Thursday April 9, 2026 at 6:30 p.m. in the Community Room of the North Haven Library, 17 Elm Street, North Haven, CT.

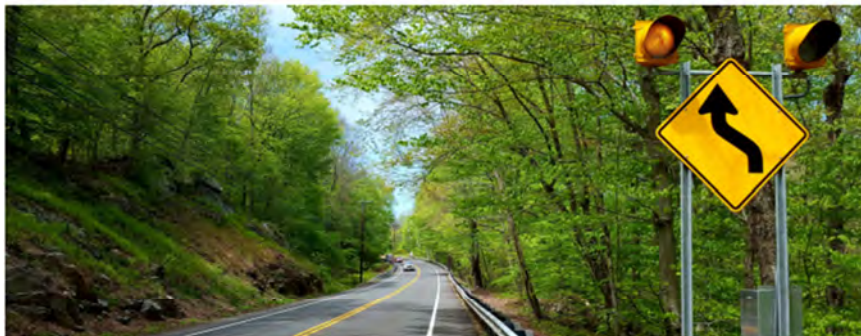
Mr. Freda then opened the meeting to public comment. Ed Reinholtz, Del Avenue, commented on the location of the upcoming special town meeting. Susan Benvenuti, Bassett Road, inquired about the sewer use fees. Mary White, Summer Lane, commented on the WPCA and the budget.

With no further business to come before the Board, *Mr. Cohen motioned with a second from Mr. Pieper* to adjourn the meeting at 8:38 pm.

VOTE: Freda – yes; Pieper – yes; Cohen – yes

**TOWN OF NORTH HAVEN BOARD OF SELECTMEN
NOTICE OF DECISION**

Notice is hereby given that following a Public Hearing on the Town of North Haven, Connecticut Automated Traffic Enforcement Safety Device Municipal Plan prepared pursuant to Connecticut General Statutes Section 14-307e, held at the regular meeting of the Board on Thursday, March 5, 2026 at 6:30 PM in the Community Room of the North Haven Memorial Library at 17 Elm Street, North Haven, the Board voted to approve the ATESD Municipal Plan and to authorize the Police Chief and Town Attorney to review and approve any necessary minor corrections or revisions to the Municipal Plan prior to its submission to the Connecticut Department of Transportation. A copy of the Municipal Plan submitted to the DOT will be posted in the Town Clerk's Office and on the Board of Selectmen's 2026 meeting page on the Town website at https://www.northhaven-ct.gov/government/public_meetings/board_of_selectmen/2026.php.



*South Central Regional Council of
Governments*

Safety Action Plan

July 2023



Prepared For:

South Central Regional Council of Governments

127 Washington Avenue

4th Floor West

North Haven, CT 06473



Prepared By:

VN Engineers, Inc.

116 Washington Avenue

4th Floor

North Haven, CT 06473



Action Plan Stakeholders and Task Force Members

SCRCOG Transportation Committee & Transportation Technical Committee Members

SCRCOG - Laura Francis
 SCRCOG - James Rode
 SCRCOG - Rebecca Andreucci
 Bethany – First Selectwoman Paula Cofrancesco
 Branford – First Selectman James Cosgrove
 East Haven - Mayor Joseph Carfora
 Guilford - Matthew Hoey
 Hamden - Mayor Lauren Garrett, Stephen White, Jim Mesner
 Madison - John Iennaco
 Meriden - Brian Ennis, Emile Pierides
 Milford - Justin Rosen, Proxy for Mayor Blake
 New Haven - Giovanni Zinn
 North Branford - Michael Downes
 North Haven - Andrew Bevilacqua, Proxy for First Selectman Freda
 Orange - Robert Brinton
 Wallingford - Mayor William Dickinson, Alison Kapushinski
 West Haven - Abdul Quadir
 Woodbridge - Karen Crosby

Action Plan Task Force Members

Laura Francis, SCRCOG Executive Director
 James Rode, SCRCOG Principal Transportation Planner
 Rebecca Andreucci, SCRCOG Senior Transportation Planner
 Paula Cofrancesco, 1st Selectwoman, Town of Bethany
 Jennifer Acquino, Assistant Town Engineer, Town of Branford
 Matthey Hoey, 1st Selectman, Town of Guilford
 Janice Plaziak, Town Engineer, Town of Guilford
 Sean Grace, Chief of Staff, Town of Hamden
 Stephen White, Town Engineer, Town of Hamden
 Peggy Lyons, First Selectwoman, Town of Madison
 John Lennaco, Director of Public Works, Town of Madison
 Erin Mannix, Town Planner, Town of Madison
 John Lawlor, Public Works Director, City of Meriden
 Brian Ennis, City Engineer, City of Meriden
 Justin Rosen, Mayoral Assistant, City of Milford
 David Sulkis, City Planner, City of Milford
 David Perkins, Town Planner, Town of North Branford
 Andrew Bevilacqua, Town Engineer, Town of North Haven
 Sandeep Aysola, Director of Transportation, City of New Haven
 Giovanni Zinn, City Engineer, City of New Haven
 Robert H. Brinton, Town Engineer, Town of Orange
 Anthony DeMaio, Deputy Chief, Town of Wallingford
 Joseph D'Amato, Sergeant, West Haven Police Department
 Abdul Qadir, City Engineer, City of West Haven
 Anthony Genovese, Director of Finance, Town of Woodbridge
 Ronald Smith, Deputy Chief, Woodbridge Police Department

1. Introduction

The South Central Regional Council of Governments (SCRCOG) manages federal transportation funds for various regional transportation modes including transit, highways, non-motorized travel, and other means serving both freight and people in the south central region of Connecticut. Figure 1 illustrates SCRCOG's member municipalities.

To achieve safer transportation for all its users, SCRCOG has developed this Safety Action Plan. This plan provides updates to the 2017 Regional Transportation Safety Plan by analyzing 2017-2021 crash data and applying this information to identify countermeasures that can improve safety at cited high frequency crash corridors and intersections.

For the years 2017 to 2021, a total of 266 fatal crashes were reported on roadways within SCRCOG's jurisdiction. Figure 2 summarizes the frequency of reported fatal and injury crashes. SCRCOG has committed to advancing roadway safety through its zero-goal resolution as guided through this Action Plan. Transportation network improvements that address walking, biking, transit, and driving, are strategically prioritized. This action plan includes input from each of SCRCOG's fifteen individual communities and from SCRCOG staff to ensure the region's overall interests are also incorporated into the report.

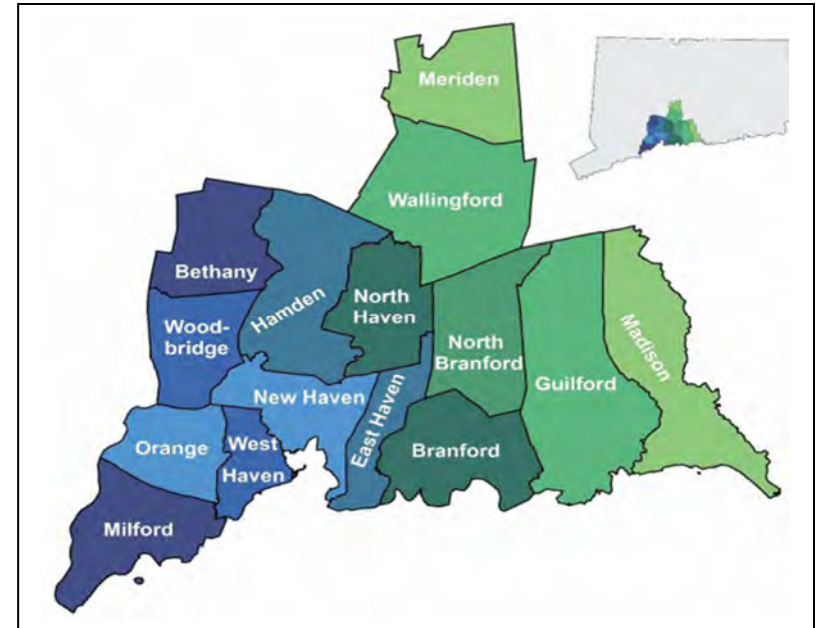


Figure 1: SCRCOG Administrative Boundary

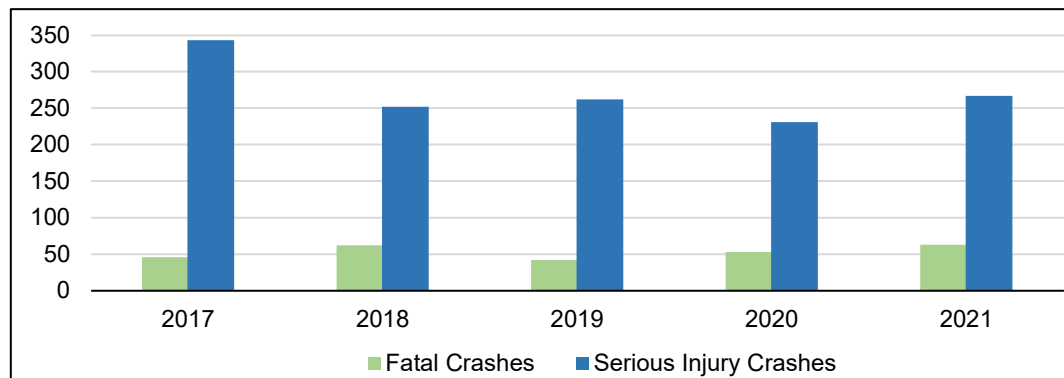


Figure 2: SCRCOG Crash Trends (2017 - 2021)

The plan is data-driven, multimodal, and multidisciplinary. It outlines effective measures and goals to reduce potential future crashes by using a systemic approach which better positions the region to compete for safety funds. The action plan was developed in coordination with SCRCOG staff and local stakeholders to provide equitable distribution of funding for the region's communities.

2. Regional Overview

The South Central Region of CT encompasses a diverse area covering 370 square miles. Its population is over 570,000¹. It extends west to east from the City of Milford to the Town of Madison, and north to south from the City of Meriden to the City of New Haven with the latter centrally located along Long Island Sound. The fifteen municipalities in the region include four cities and eleven towns.

SCRCOG is a designated Metropolitan Planning Organization (MPO) for federally mandated transportation planning purposes. Within the south-central region, the areas surrounding the I-91 and I-95 corridors and the Route 1, 5, 10 and 80 corridors are primarily commercial and industrial. Branford, East Haven, Hamden, Meriden, Milford, New Haven, Wallingford, and West Haven all have areas of high-density residential use. High-density residential use is defined as four to eight dwelling units per acre. Figure 3 provides general statistics of the region.

In recent years, Connecticut has made significant investment in regional infrastructure with major projects from the Pearl Harbor Memorial Bridge to the New Haven-Hartford-Springfield (NHHS) Rail line, bike and pedestrian improvements, and coastal infrastructure improvements. In addition, SCRCOG has increased housing density with the implementation of several multi-family housing units and transit-oriented development (TOD) projects. Such developments are opening new housing opportunities for current and future residents.

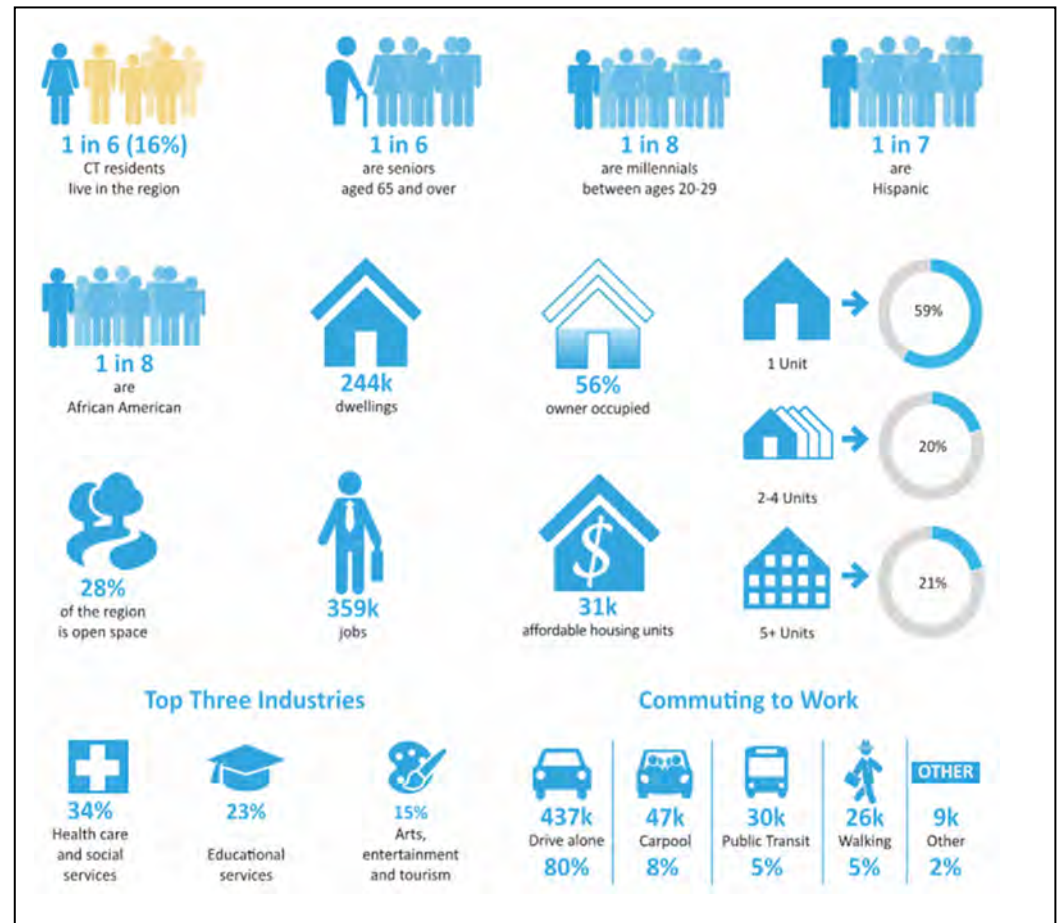


Figure 3: SCRCOG Overview Based on U.S. Census 2010
(Source: Plan of Conservation & Development 2018-2028)

¹ South Central Region: Plan of Conservation & Development 2018-2028. <https://scrcog.org/wp-content/uploads/2018/07/2018-07-SCRCOG-POCD-report-online.pdf>

2.1 Transportation Network

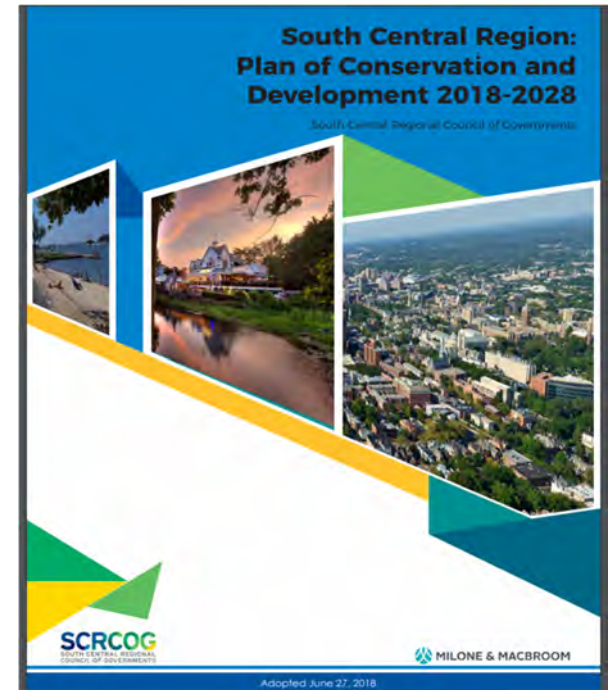
The region of south central Connecticut is home to a dynamic network of transportation alternatives. Interstates 91 and 95 and State Routes 1, 5, and 15 provide a substantial major arterial network for auto users. In addition, Metro-North, Shore Line East, and Amtrak lines operating parallel to Interstate 95 and Route 1 provide commuting alternatives. Tweed New Haven Airport located in the member municipalities of New Haven and East Haven provides commercial air service to both Connecticut and adjacent states. The Port of New Haven, the busiest port between New York and Boston and the largest deep-water port in the State of Connecticut², provides freight services for the region.

CTtransit, the bus service owned by the Connecticut Department of Transportation, provides bus service to the Region with 15 fixed routes, one intercity express, and two shuttle services. Phase 2 of this study, funded through CRCOG, provides a toolbox of enhancements to support and modernize bus systems along core routes in the greater New Haven area. The Move New Haven Transit Mobility Study provides “potential transit supportive options to strengthen and modernize the CTtransit New Haven bus system”³.

In compliance with the Americans with Disabilities Act (ADA) of 1990, CTtransit provides paratransit services in all areas with local fixed route bus services for people with disabilities. There are 11 service providers that offer ADA and paratransit services throughout the state⁴. Within SCRCOG region, paratransit options are served by Greater New Haven Transit District, Milford Transit District and North-East Transportation Company.

Greenways and recreational trails provide multimodal transportation options for both residents and visitors in the region. The Farmington Canal Heritage Trail, the Quinnipiac River Greenway, Woodbridge Greenway Trails, Milford Greenway System, West River Watershed, and the Shoreline Greenway Trail are all popular greenways located in the region. In addition, the East Coast Greenway, which links 15 states and 450 cities and towns for 3,000 miles from Maine to Florida, also passes through south central CT. According to the most recent SCRCOG Plan of Conservation and Development⁵, there has been significant investment to construct formal bike and pedestrian facilities in this planning district.

SCRCOG transportation network is depicted in Figure 4.



Source: South Central Region POCD, 2018-2028.

² City of New Haven, <https://www.newhavenct.gov/government/departments-divisions/port-authority>, April 10, 2023

³ Move New Haven Transit Mobility Study, 2019. <https://portal.ct.gov/-/media/DOT/documents/dpolicy/MoveNewHavenStudyFinalReportFINAL09272019.pdf>

⁴ ADA and Paratransit Services. <https://portal.ct.gov/DOT/Publictrans/Bureau-of-Public-Transportation/Paratransit-service>

⁵ South Central Region: Plan of Conservation & Development 2018-2028. <https://scrcog.org/wp-content/uploads/2018/07/2018-07-SCRCOG-POCD-report-online.pdf>

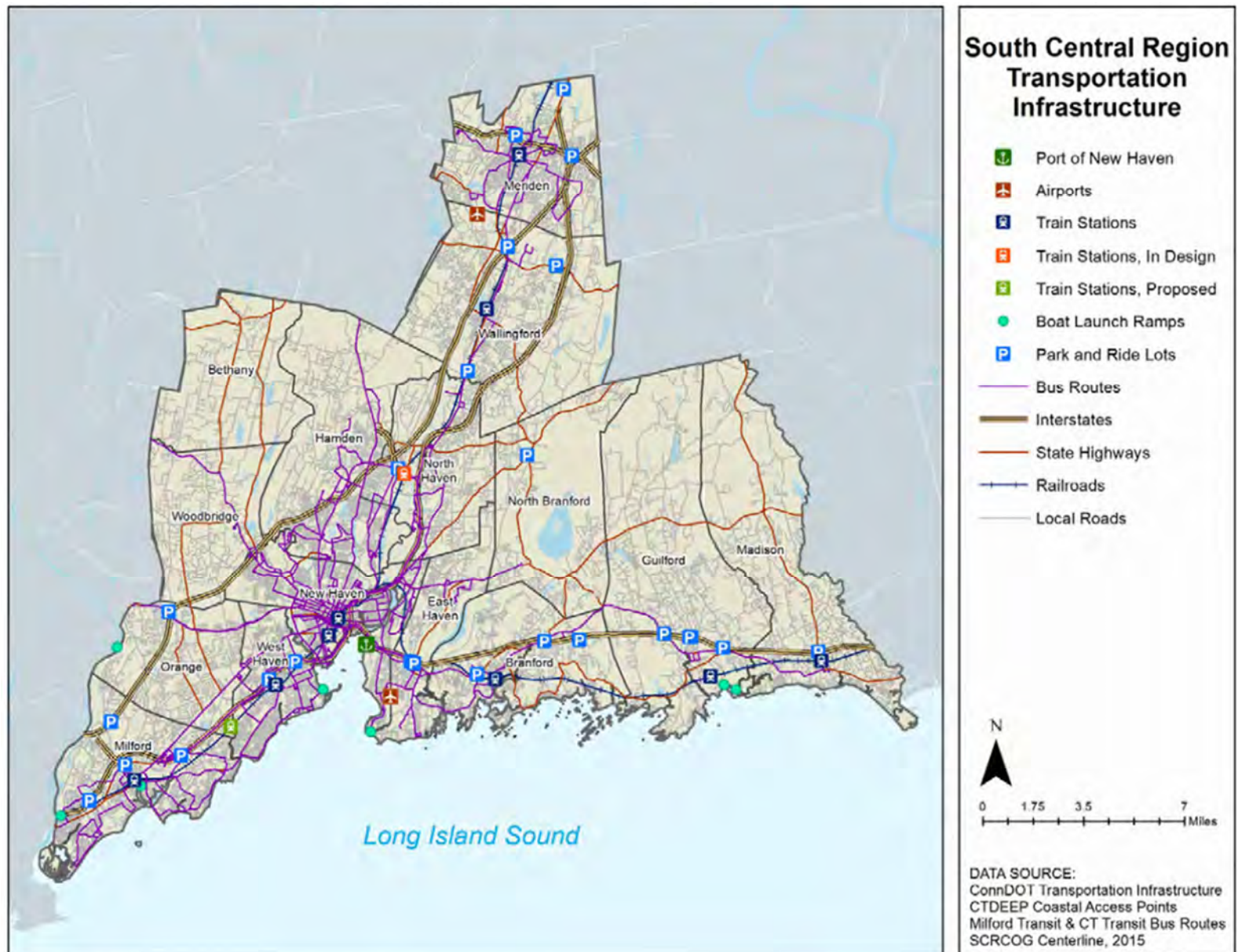


Figure 4: SCRCOG Transportation Network (Source: *Plan of Conservation & Development 2018-2028*)

2.2 Equity

Climate and Economic Justice Screening Tool (CEJST)

This update of the RTSP incorporates equity into its analysis to ensure historically marginalized communities are prioritized. The CEJST⁶ was utilized to identify these communities that have traditionally been marginalized, underserved, and overburdened by climate change, pollution, and environmental hazards. The Justice40 Initiative aims to mitigate the underinvestment in disadvantaged areas and to provide at least 40% of the resources from federal grants, programs, and initiatives to these communities. The CEJST uses geospatial mapping based on the following eight categories of burden to systematically identify disadvantaged communities:

1. Climate Change
2. Energy
3. Health
4. Housing
5. Legacy Pollution
6. Transportation
7. Water and Wastewater
8. Workforce Development

An area is identified as “disadvantaged” on the CEJST map if it is (1) at or above the threshold for one or more environmental, climate, or other burdens, and (2) at or above the threshold for an associated socioeconomic burden⁷. A census tract that is encircled by disadvantaged areas and is at or above the 50th percentile for low income is also designated a disadvantaged community. Based on this tool, the disadvantaged communities within SCRCOG’s jurisdiction are in Meriden, West Haven and New Haven as shown in Figure 5. According to the 2020 Census Demographic Data⁸, 20% of SCRCOG’s population lives within disadvantaged census tracts which furthers the region’s resolve to remedy this inequity as outlined in this Action Plan.



Disadvantaged Communities in SCRCOG

- Total of 28 disadvantaged census tracts
- 21% of the population lives within disadvantaged census tracts
- 9 out of 28 tracts includes Transportation burden.

Figure 5: SCRCOG Disadvantage Census Tracts
(Source: Climate & Economic Justice Screening Tool)

⁶ Climate and Economic Justice Screening Tool Map. <https://screeningtool.geoplatform.gov/en/#3/33.47/-97.5>

⁷ Climate and Economic Justice Screening Tool Methodology: <https://screeningtool.geoplatform.gov/en/methodology#7.43/50.328/-99.897>

⁸ 2020 Census Demographic Data Map Viewer <https://mtgis-portal.geo.census.gov/arcgis/apps/MapSeries/index.html?appid=2566121a73de463995ed2b2fd7ff6eb7>

Environmental Justice Communities in Connecticut

Historically, some Connecticut communities have been subjected to higher negative impacts from one or more environmental hazards, socio-economic burdens, or both. The CT Environmental Justice Program is seeking to remedy this by prioritizing funding within environmental justice communities. Borrowing the definition from the United States Environmental Protection Agency (EPA) which defines environmental justice as “the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income, with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies”⁹.

An environmental Justice community is defined by the Connecticut General Statutes as:

1. a distressed municipality, as designated by the Connecticut Department of Economic and Community Development (DECD), OR
2. defined census block groups where 30% of the population is living below 200% of the federal poverty level.¹⁰

Each year, the DECD compiles and publishes a list of Distressed Municipalities that includes the state’s most economically distressed municipalities. Figure 6 illustrates SCRCOG distressed municipalities and environmental justice blocks based on 2022 data.

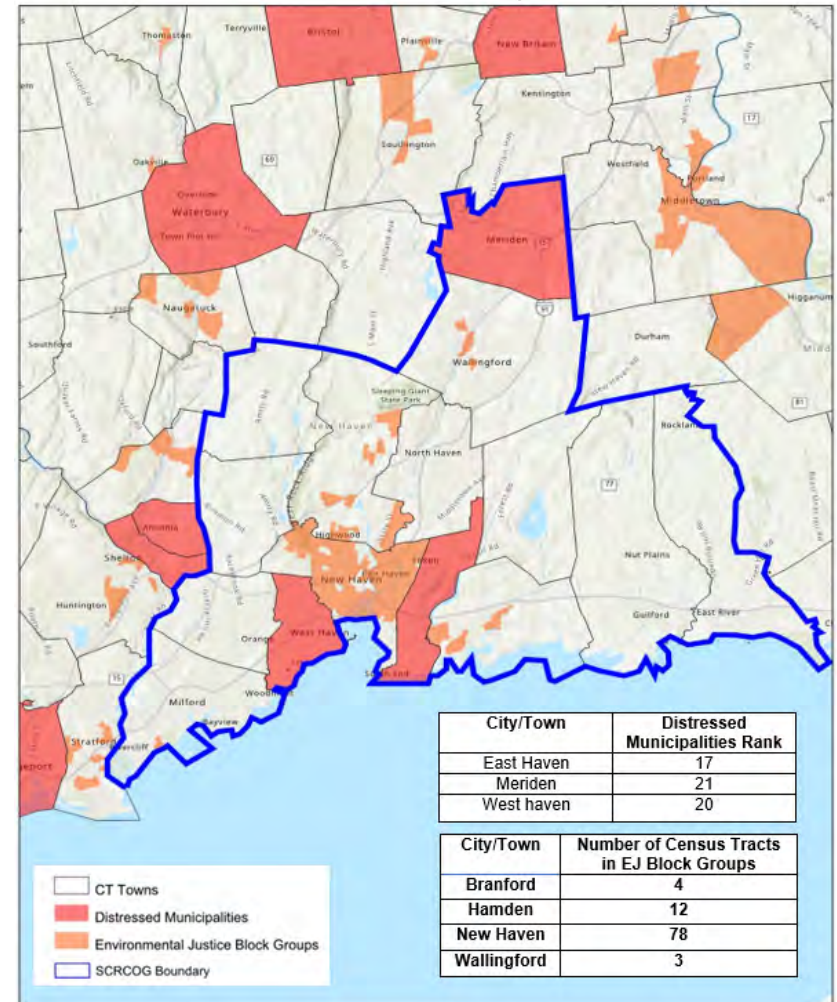


Figure 6: SCRCOG 2022 Environmental Justice Communities
(Source: <https://ctdeep.maps.arcgis.com/apps/webappviewer/index.html?id=d04ec429d0a4477b9526689dc7809ffe>)

⁹ US Environmental Protection Agency. <https://www.epa.gov/environmentaljustice>

¹⁰ CT DECD Environmental Justice Communities. <https://portal.ct.gov/DECD/Environmental-Justice/Environmental-Justice-Communities>

2.3 Climate Change, Resiliency and Sustainability

In 2018, the Connecticut Institute for Resilience and Climate Adaptation (CIRCA)¹¹ launched the “Resilient CT” project. Even though this project initially focused on areas impacted by Superstorm Sandy in New Haven and Fairfield Counties, it later expanded to cover the whole state. In collaboration with state agencies, regional councils of governments, and municipalities, CIRCA’s goal is to mitigate the impacts of climate change by augmenting the resilience of vulnerable communities.

As a part of that initiative, SCRCOG participated in two workshops to help identify Resilience Opportunity Areas (ROAR) and to develop potential regional adaptations. Resilient CT defines ROAR as “a Resilience Opportunity Area representing the intersection of climate-induced flooding and heat risks with vulnerable populations and planning priorities.” Heat, flooding, and precipitation solutions can include projects in housing, transportation, critical infrastructure, and ecological systems.

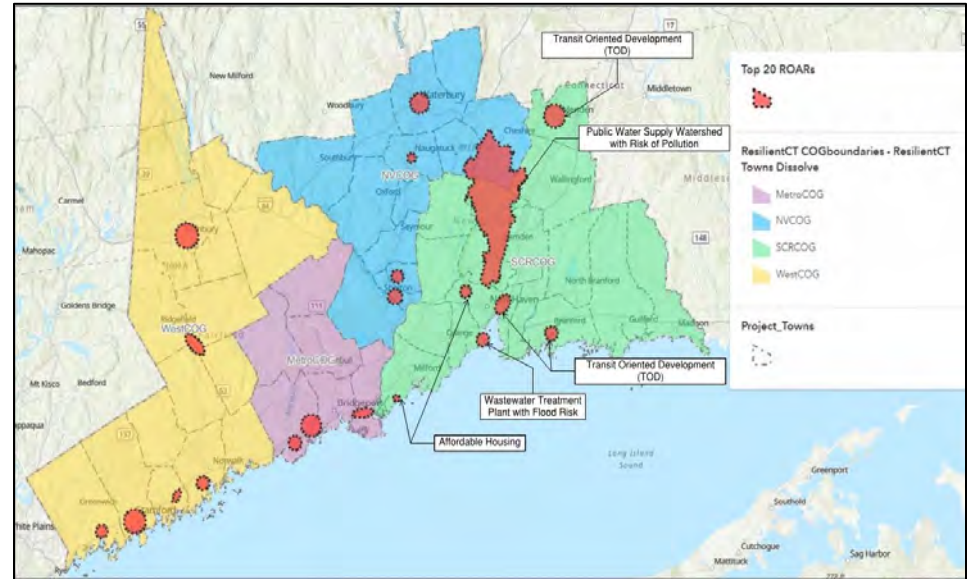


Figure 7: ROARs within CT, SCRCOG Region is in Green.



Photo 1: Dune restoration Project, Milford, CT (Source: CIRCA)

Figure 7 shows the top 20 ROARs in Connecticut and describes the type of projects within SCRCOG. Currently, phase III of Resilient Connecticut is active that will build on Phase II ROARs with detailed analysis and will take the infrastructure components to 30% conceptual design. Seven projects are selected for this phase and two of these selected projects are within SCRCOG. One of the projects is in Branford that will address flooding from the Branford River by providing underground detention to reduce drainage-related flooding. The other one is in Fair Haven that will focus on developing strategies to mitigate flooding, extreme heat and other impacts to community assets and transportation corridors. Other Resiliency Efforts within SCRCOG Region includes-

- Meriden Green - a 14-acre flood control/park and economic development project.
- SCRCOG Regional Framework for Coastal Resilience.

¹¹ Resilient CT. <https://resilientconnecticut.uconn.edu>, May 04, 2023.

3. Safety Overview

This report's findings are based on the SCRCOG Region's 2019-2021 injury and fatal crash data collected from the University of Connecticut's Crash Data Repository (CTCDR) website¹². This data was used to identify the overall trends which are further discussed in this chapter. The high injury network identified in Chapter 6 is based on the safety analysis performed using the Connecticut Roadway Safety Management system (CRSMS)¹³.

This report is a collaborative effort between the SCRCOG staff and representatives from SCRCOG's member municipalities that formed an advisory task force for this plan. SCRCOG staff and the municipal representatives provided local and historical insights into the crash data analysis and into the selection of countermeasures. The data gathered and included in this study represents fatal and injury crashes that occurred on both local and state roads. Property damage only crashes and incidents on limited access highways, were excluded. The collective historical insight into local safety issues and the collected crash data provided a comprehensive overview of the Region's transportation system. Table 1 documents the crash numbers by municipality.

Table 1: Municipal Crash Rates

Town name	Total Fatal & Injury Crashes (2019 - 2021)	2021 Population (Based on US Census Population Totals 2020-2021)	Crash Rate (Crashes/10k population)
Bethany	97	5,288	61.14
Branford	353	2,8176	41.76
East Haven	423	2,7804	50.71
Guilford	187	2,2031	28.29
Hamden	1214	6,0923	66.42
Madison	165	1,7619	31.22
Meriden	1171	6,0517	64.50
Milford	908	5,2390	57.77
New Haven	4852	13,5081	119.73
North Branford	182	13,498	44.94
North Haven	749	24,169	103.30
Orange	706	14,246	165.19
Wallingford	762	44,194	57.47
West Haven	1,132	55,294	68.24
Woodbridge	251	9,045	92.50

¹² <https://www.ctcrash.uconn.edu/>

¹³ Connecticut Roadway Safety Management System <https://crsms.uconn.edu/dashboard>

The Connecticut Crash Data Repository (CTCDR)

- Enables users to query, analyze and export the data for research and informational purposes.
- Data is based on the information from the crash report recorded by the law enforcement officer.
- Does not categorize crashes by the emphasis areas identified in Connecticut SHSP.

Connecticut Roadway Safety Management System (CRSMS)

- Enables users to conduct the six-step highway safety management process as described in the HSM.
- As of May 2023, only includes crashes until December 2021 for performing Network Screening.
- Labels crashes based on the emphasis areas identified in Connecticut SHSP.

3.1 Crash Trends

Level of Injury

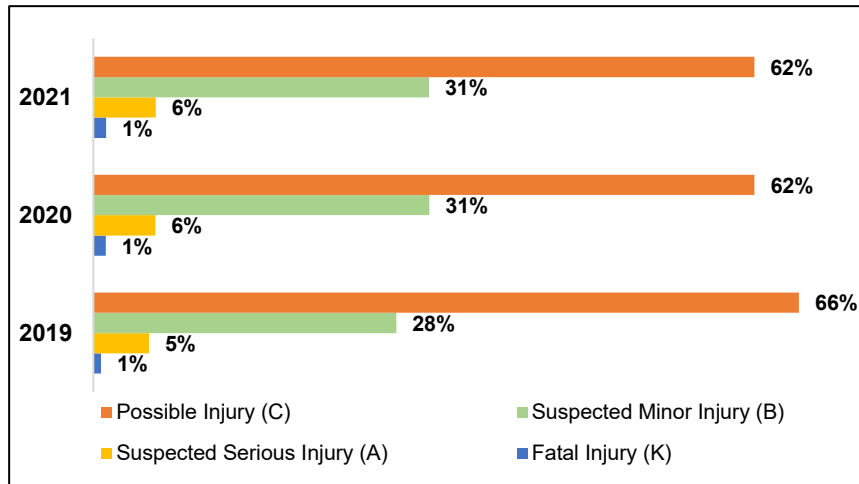


Figure 8: Level of Injury by Year

In 2019, there were a total of 4,916 injury and fatal crashes within the south central region followed by 3,834 injury and fatal crashes in 2020. The decrease in crashes is attributed to pandemic related travel patterns. In 2021, the total injury and fatal crashes increased to 4,402. Figure 8 provides the annual breakdown of crashes by level of injury. The distribution of the level of injuries stayed consistent even during the pandemic.

Driver Age

Figure 9 shows distribution of crashes by driver age. Documented crash reports include the age of each driver involved in the incident. The most prevalent age groups for injury crashes within the SCRCOG region are 25 to 34 years old (25.5%) and 35 to 44 years old (18.2%). Drivers younger than 25 years old total 18.8% of the involved drivers and 9.7% of involved drivers are classified as older drivers (age 65+).

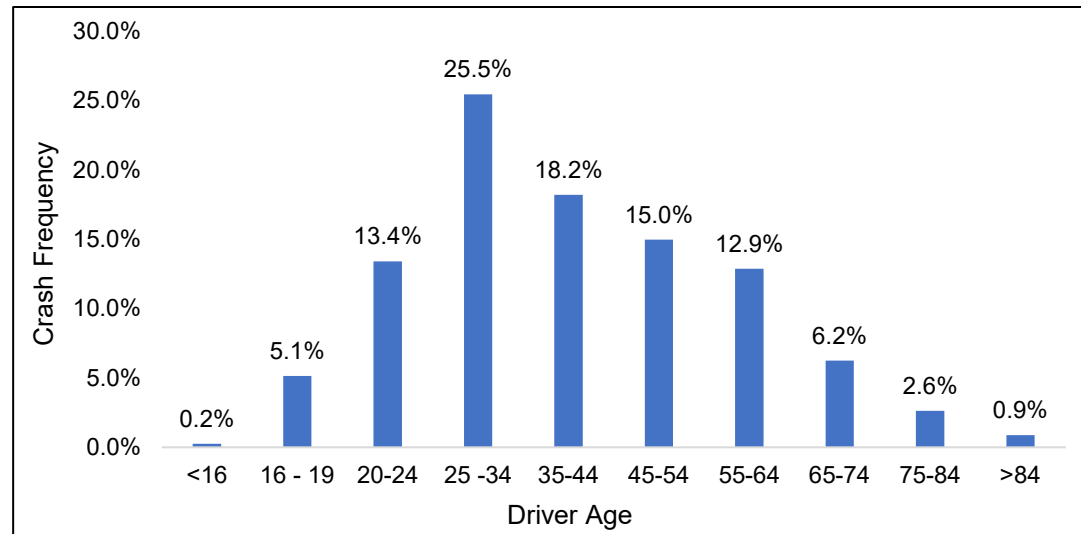


Figure 9: Crash Distribution by Driver's Age

Crash Type

Figure 10 shows the summary of the crashes by crash type. The predominant crash type for injury crashes is front to rear or rear-end crashes (35.4%), followed by angle crashes (30.8%). The third highest-crash type is fixed object (12%) collisions. Crashes involving pedestrians, bicyclists, and motorcyclists account for 5.3%, 1.1% and 1.1% of crashes respectively.

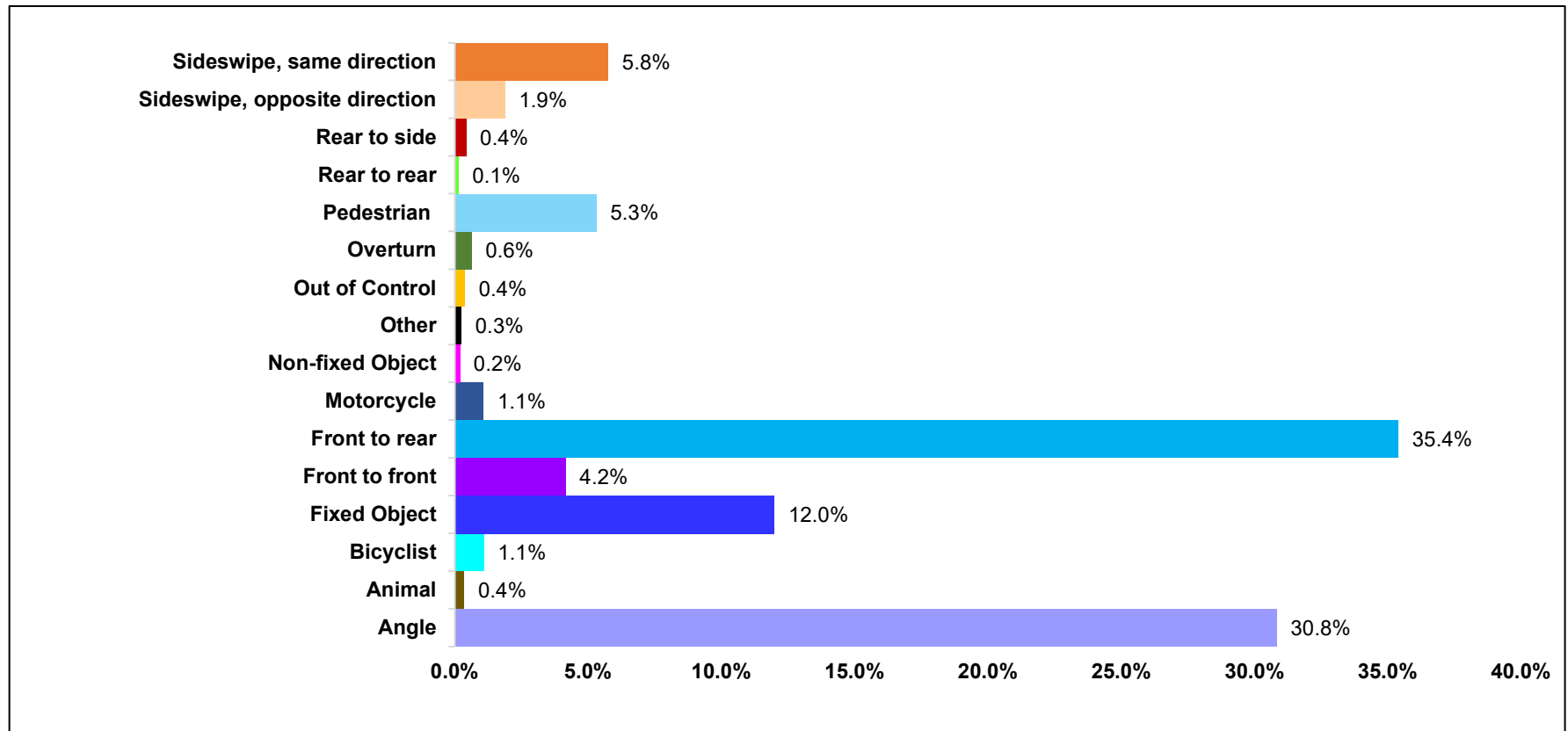


Figure 10: Distribution of Crashes by Crash Types

Figure 11 shows all motor vehicle crashes resulting in injury or fatality within the study period.

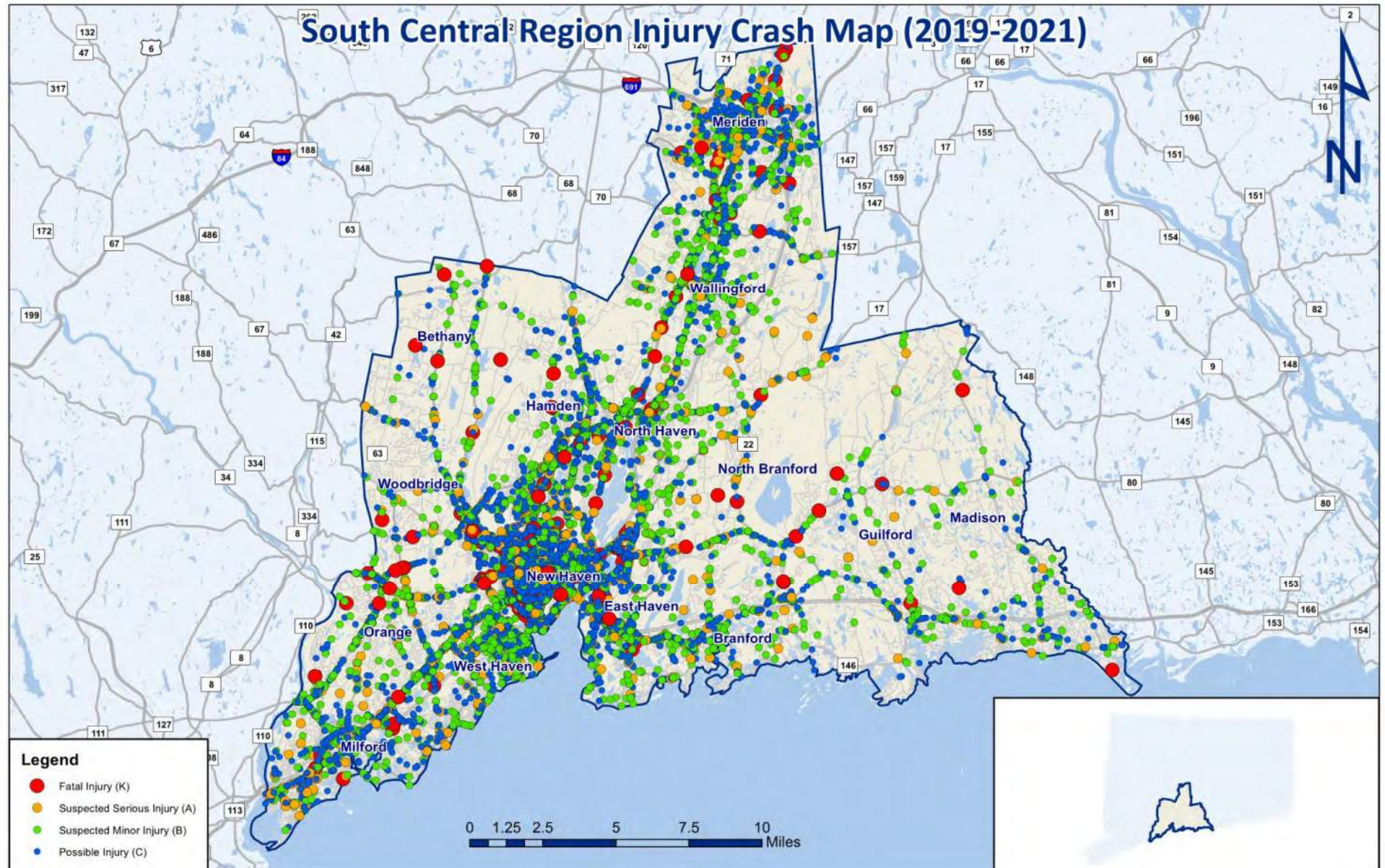


Figure 11: All Fatal and Injury Crashes within SCRCOG (2019 -2021)

3.2 Non-Motorized Road Users

Between 2019 and 2021, there were 845 injury crashes involving non-motorized road users. Non-motorized crashes were identified through the “first harmful event” column and the crash diagrams included in the dataset from the Connecticut Crash Data Repository. Figure 12 summarizes bicycle and pedestrian crashes by year and by severity.

Among these crashes, 17% were related to bicyclists and 83% were related to pedestrians. Furthermore, despite lower volumes of vehicle traffic during the pandemic in 2020, non-motorized road user crashes increased consistently from 2019 to 2021. Even though pedestrian and bicycle crashes only make up for 6.4% of total injury crashes in the south central region, the consequences involving pedestrians and bicyclists were more severe than motor vehicle crashes. This is shown in Figure 13. Pedestrian crashes proportionately result in more fatal injuries than any other crash type emphasizing the urgency for non-motorized user safety improvements.

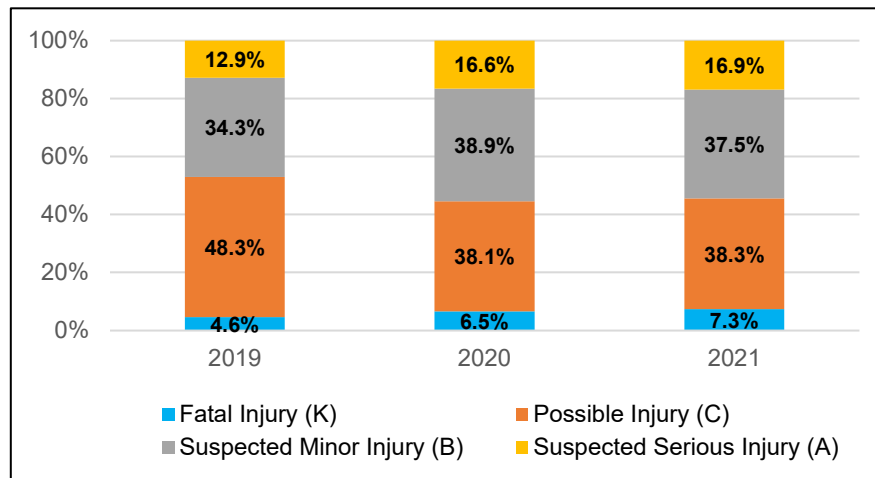


Figure 12: Non-Motorized Crashes by Year

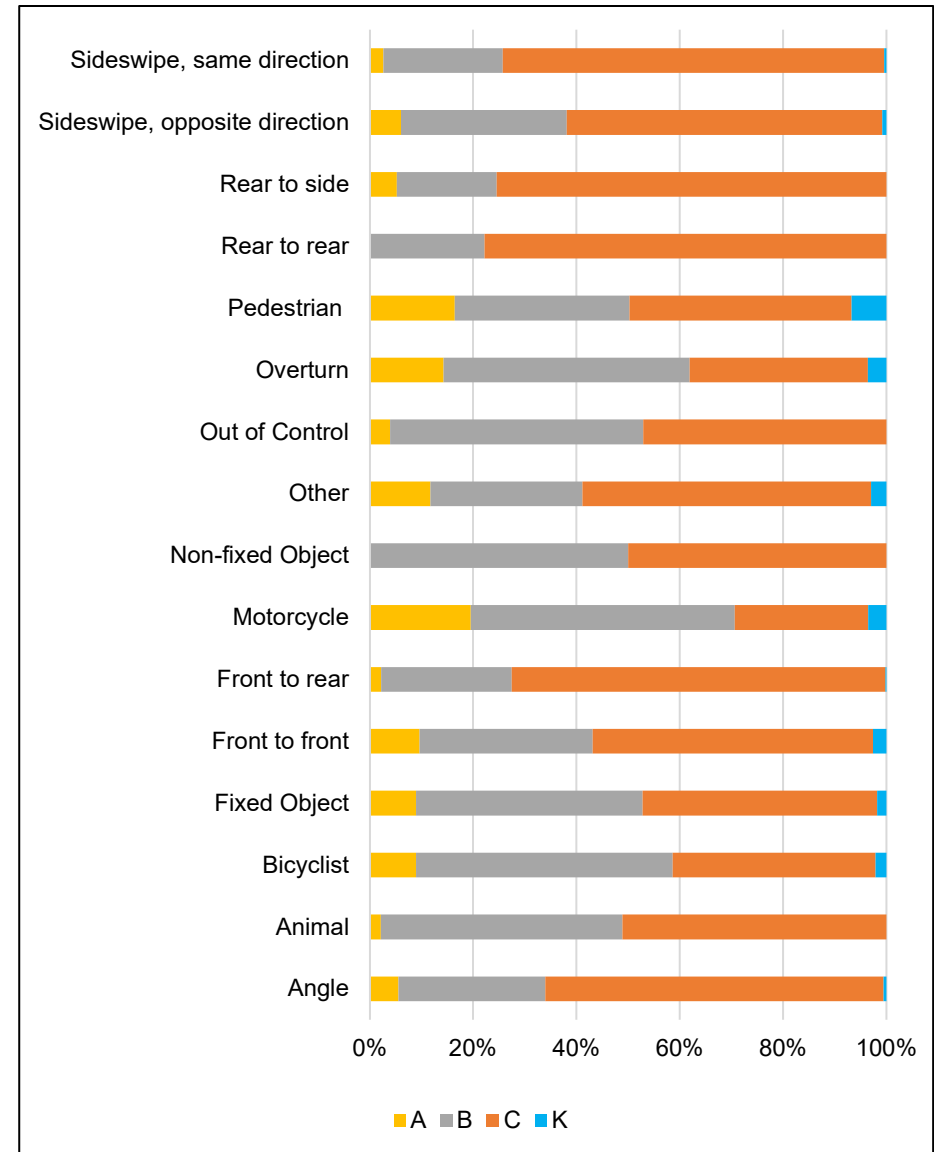
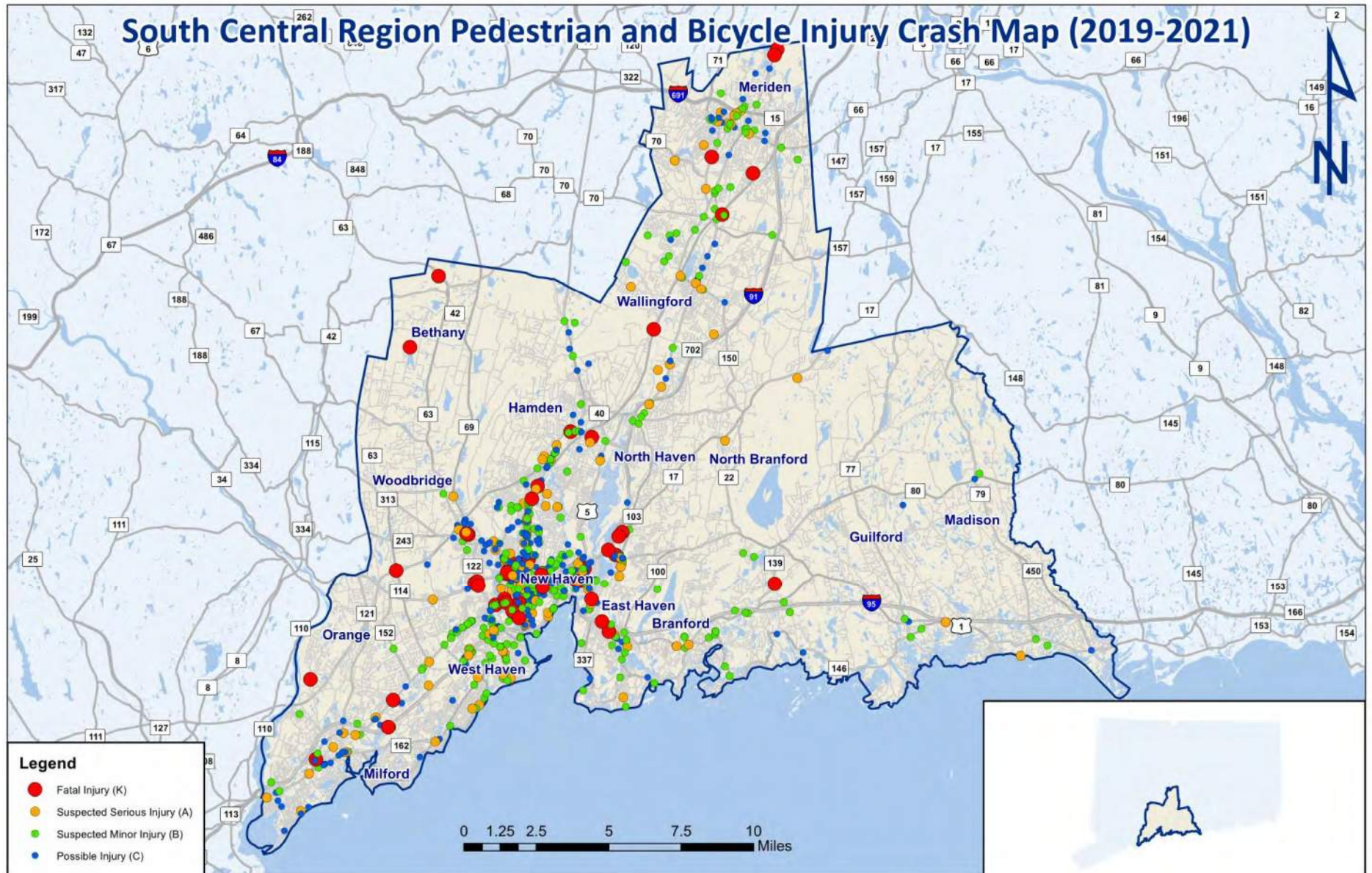


Figure 13: Level of Injury for All Crash Types



4. Existing Efforts

The SCRCOG Action Plan is a coordinated effort between SCRCOG and a taskforce comprised of stakeholders from member municipalities. The strategies and recommendations documented in this plan are aligned with the following planning efforts and guidelines completed and publicly adopted by the state, SCRCOG and/or local entities.

4.1 Statewide Planning Efforts

Connecticut Strategic Highway Safety Plan (SHSP)¹⁴

The Strategic Highway Safety Plan (SHSP) is a statewide, data-driven, comprehensive, multidisciplinary transportation safety plan integrating the 4Es of safety — education, enforcement, engineering, and emergency response. In coordination with federal, state, local and private sector safety stakeholders, the SHSP establishes goals, objectives, and emphasis (or challenge) areas to reduce traffic fatalities and serious injuries on all public roads.

The SHSP is focused on three Emphasis Areas—Behavior, Infrastructure, and Pedestrian—and identifies proven strategies, approaches, and policies that will be implemented to move toward zero deaths. Connecticut’s commitment is to achieve a 15% reduction or more based on the five-year rolling average of fatalities and serious injuries from 2022 to 2026. The performance-based strategies are based on five measures: fatalities, fatality rate, serious injuries, serious injury rate and non-motorized fatalities and serious injuries.

Emphasis Areas

Infrastructure EA

- Roadway Departure
- Intersections

Behavior EA

- Impaired
- Unrestrained
- Aggressive
- Motorcycle
- Distracted

Pedestrian EA

2019 CT Active Transportation Plan

Goal #1

Improve Pedestrian and Bicyclist Safety

Goal #2

Enhance Mobility for Pedestrians and Bicyclists

Goal #3

Utilize Resources to Achieve Meaningful Improvements

Connecticut Active Transportation Plan¹⁵

The Connecticut Active Transportation Plan was completed in 2019 with a purpose of highlighting past efforts and guiding the State to design and construct a transportation system that would be safer and more accessible for all. Their vision is to foster and improve walking, bicycling, and other active transportation modes, so that all persons, regardless of ability, age or income can safely do so throughout the entire state.

¹⁴ Connecticut Strategic Highway Safety Plan, 2021. <https://portal.ct.gov/DOT/Bureau-of-Policy/Strategic-Highway-Safety-Plan>

¹⁵ Connecticut Active Transportation Plan 2019. <http://www.ctbikepedplan.org/>

4.2 SCRCOG Planning Efforts

Metropolitan Transportation Plan 2023 - 2050¹⁶

The South Central Regional Metropolitan Transportation Plan (MTP) outlines how the region plans to invest in the transportation system from 2023-2050. The report contains short-term and long-term strategies/actions to foster development of an integrated intermodal transportation system. This is a performance-based effort that incorporates performance measures to evaluate outcomes. According to the MTP, the region's transportation lacks efficiency and reliability and requires supplemental funding through enhancements and initiatives. The plan states there is a need for more interagency discussion and coordination and echoes the region's vision to expand transit-oriented development (TOD) through selective investments.

MTP Overarching Goals

- *Explore opportunities to increase travel options.*
- *Maximize access to funding through the BIL.*
- *Connect transportation policy and planning decisions to strategies approved in the RPOCD.*
- *Strengthen partnerships with state and federal transportation agencies.*
- *Effectively coordinate and communicate with land use agencies within the region.*

Bicycle and Pedestrian Plan Update

In 2017, SCRCOG published an updated pedestrian and bicycle plan¹⁷ that highlighted the need to accommodate and bolster active transportation in the south central region. The plan focused on improving safe walking and bicycling, establishing an equitable network of transportation, enhancing the links between various modes of transportation, and creating a network that makes community facilities, businesses, and neighborhoods more available and accessible for people of all ages, abilities, and income levels. Its vision is the following:

- *Collect and assess the existing conditions in the region as well as update the bicycle and pedestrian related goals for the future,*
- *Ensure that the region stays on track to create a safer and more balanced transportation network, accessible for all users regardless of age, physical capacity, or income.*
- *Review the progress made in the last ten years, as well as the shifting needs, concerns, and desires of each of the fifteen municipalities, and*
- *Provide the region with a prioritized list of areas that are in need of bicycle and pedestrian improvements, so that spending on such improvements can be appropriately distributed.*



¹⁶ SCRCOG Metropolitan Transportation Plan 2019 – 2045. https://scrcog.org/wp-content/uploads/2021/01/SCRCOG_MTP_Final_4_24_19.pdf Downloaded April 2023.

¹⁷ SCRCOG Bicycle and Pedestrian Plan Update. https://scrcog.org/wp-content/uploads/2019/08/SCRCOG_BikePedPlanUpdate_2017.pdf Downloaded April 2023.

Regional Transportation Safety Plan¹⁸

The South Central Regional Transportation Safety Plan (RTSP) is in alignment with the CT SHSP and serves as a road map and strategy to help the region and all fifteen municipalities collaborate with the State in reducing fatalities and injuries and increasing safety awareness. The RTSP uses a similar methodology to the State plan, but is less expansive in size, reflecting the needs of the individual communities and the region as a whole. SCRCOG's member municipalities provided local and historical insights into the crash data analysis. This included a synopsis of current and upcoming state and local projects, historically challenging traffic sites that are not always reflected in the data, and input on the selection of safety countermeasures. In order to ensure stakeholder input, representatives from the four E's of transportation safety; engineering, enforcement, education, and emergency response were engaged.

4.3 Local Planning Efforts

West Haven Bicycle and Pedestrian Plan

The City of West Haven is currently updating the Bicycle and Pedestrian Plan and evaluating the current walking and biking conditions in the city. The plan identifies known deficiencies and provides bike and pedestrian infrastructure recommendations along prioritized corridors. The end goal of the plan is to create the infrastructure and culture which permits people of all ages and abilities to walk and bike safely and comfortably throughout West Haven. The highlighted goals are:

1. *To improve safety conditions for pedestrians and bicyclists.*
2. *To increase transportation choice by promoting additional modes of travel.*
3. *To enhance connections between different areas of the city.*
4. *To provide access for residents of all ages, abilities, and income levels.* ¹⁹

Madison Complete Streets

In 2018, Madison adopted a Complete Streets Policy that provides a written annual report documenting the progress with Complete Streets investments, pedestrian and bicycle facilities, transit improvements, ADA accommodations, traffic calming, maintenance and crashes involving non-motorized users. This annual reporting and evaluation ensure that the town remains dedicated to their goal of "gradually transforming Madison from a community that disproportionately encourages automobile travel to one that invests in transportation infrastructure equitably across all modes to the benefit of all members of the community and its visitors, while maintaining the charm and appeal of a small town".²⁰

¹⁸ SCRCOG Regional Transportation Safety Plan, 2018. <https://public.3.basecamp.com/p/dxDK1CRZauJHbg9A9mF31yz6> Downloaded April 2023.

¹⁹ West Haven Bicycle and Pedestrian Plan. <https://www.cityofwesthaven.com/307/Current-Recent-Planning-Initiatives> Downloaded April 2023.

²⁰ Town of Madison Complete Street Policy. <https://www.madisonct.org/DocumentCenter/View/1920/Complete-Streets-Policy---Adopted-May-29-2018-?bidId=> Downloaded April 2023.

Madison Bike and Walk Master Plan²¹

In 2018, Madison's Bicycle and Pedestrian Advisory Committee was formed by the town to assist in creating a long-range master plan for biking and walking. To date, the organization has completed several road safety assessments and Safe Routes to School assessments and has hosted multiple bike and walk events.



Photo 3: Source: <https://www.guilfordsafestreets.org/>

Guilford Safe Streets

In March 2020, the Safe Streets Task Force adopted a Complete Streets resolution “to improve safety, mobility options, and connectivity, while preserving and enhancing Guilford’s scenic, historic, and environmental resources”.²² Building upon this resolution, in March 2023, the task force published the Guilford Safe Streets Report. The report includes details on their public engagement efforts, a sidewalk and ADA ramp inventory, and recommendations for infrastructure and typologies, neighborhood-specific recommendations, and implementation guidelines. The report is not an action plan but an overarching document to guide the town in how best to proceed to make mobility improvements.



Photo 2: Source: <https://www.madisonct.org/885/Bicycle-and-Pedestrian-Advisory-Committee>

Connectivity Master Plan for the Woodbridge Business District

In February of 2023, the Town of Woodbridge adopted a pedestrian based Connectivity Master Plan for the Woodbridge Business District²³. The purpose of the plan is to strengthen pedestrian and bicycle linkages throughout the Woodbridge Business District including strategies for traffic calming. The goal of the plan is to encourage alternate modes of transportation, reduce traffic related injuries and fatalities, attract new and unique businesses, enhance neighborhoods, and make the Woodbridge Business District a vibrant destination.

²¹ Town of Madison. <https://www.madisonct.org/885/Bicycle-and-Pedestrian-Advisory-Committee> . Downloaded April 2023.

²² Guilford Safe Streets <https://www.guilfordsafestreets.org/> Downloaded April 2023.

²³ Town of Woodbridge <https://www.woodbridgect.org/DocumentCenter/View/5919/FINAL-Woodbridge-Connectivity-Study-Report-1> . Downloaded June 2023.

New Haven Active Transportation Plan²⁴

New Haven published the Active Transportation Plan in 2022, to guide the city in constructing critical infrastructure for walking, biking, and transit use. This plan lists recommendations based on public input, crash data and previous studies, and emphasizes the city's Priority Neighborhoods to ensure more equity in future transportation investments. There are three primary sections of the report divided into walking, biking and transit riding. The section titled "Walk New Haven" was based on a city-wide intersection inventory and prioritization of locations based on both crash data and public input. Four concept plans for intersection improvements were included in the plan. For bus travel, the plan referenced the 2019 Move New Haven Transit Mobility Study to identify priority corridors and make site-specific recommendations. In addition, the report suggests various bus stop features to be considered. There is also a section that evaluates the current bicycle system and recommends certain upgrades, including the expansion of the transit network.

New Haven Complete Streets²⁵

In 2010, the City of New Haven adopted a Complete Streets Design Manual to develop and promote a safe transportation network accessible for all users. Its purpose was to guide the incorporation of complete streets into design and planning efforts to foster a sustainable and economically thriving community with a better quality of life. The guiding principles for this plan are identified as:

- Safety & slow vehicle speeds
- Connectivity
- Human health
- Livability
- Context
- Equity
- Aesthetics
- Economic Development
- Environment



Photo 4: Source: <http://saferoutesforall.com/>

²⁴ Citywide Active Transportation Plan, 2022. <http://saferoutesforall.com/gallery/> Downloaded April 2023.

²⁵ City of New Haven Complete Streets Design Manual, 2010. <https://www.newhavenct.gov/home/showpublisheddocument/2368/637744814502330000>. Downloaded April 2023.

5. Safety Commitment and Vision Zero

Vision Zero is the strategy to eliminate traffic fatalities and severe injuries on all roadways. To achieve the goal of zero deaths on roadways, USDOT recommends a Safe Systems approach²⁶, which is considered more human centric. The Safe Systems approach is predicated on the fact that people make errors in judgement and action. Therefore, to mitigate the severity of crashes, there must be system-wide practices, policies, and designs with multiple safeguards, not just one. This strategy necessitates a supporting safety culture that prioritizes safety in road system investment and more equitably distributes the burden of responsibility beyond just the roadway user.

In June 2023, the Connecticut General Assembly passed “HB 5917- An Act Implementing the Recommendations of The Vision Zero Council”²⁷. This legislation is aimed at reducing the number of traffic fatalities in Connecticut to zero.



Figure 15: Safe Systems Approach (Source: USDOT)

Principles of Safe Systems Approach

- 1 Deaths and serious injuries are unacceptable.
- 2 Humans make mistakes.
- 3 Humans are vulnerable.
- 4 Responsibility is shared.
- 5 Safety is proactive.
- 6 Redundancy is crucial.

Elements of Safe Systems Approach

- 1 Safe Road Users.
- 2 Safe Vehicles.
- 3 Safe Speeds.
- 4 Safe Roads.
- 5 Post-Crash Care.

²⁶ Zero Death and Safe Systems. <https://highways.dot.gov/safety/zero-deaths>

²⁷ https://www.cga.ct.gov/asp/cgabillstatus/cgabillstatus.asp?selBillType=Bill&bill_num=HB5917&which_year=2023

5.1 SCRCOG Vision Zero Resolution

In May 2023, the SCRCOG's 15-member Policy Board approved a Vision Zero resolution found in [Appendix A](#). This vision zero resolution represents the region's commitment to the reduction of serious and fatal injury crashes using systemic, proven measures and the safe systems approach. SCRCOG's dedication puts the onus on each municipality and the region to make measurable strides in creating and maintaining a culture of safety that "places safety first and foremost" in transportation design, investment, and decision making.

5.2 Safety Commitment of Member Municipalities

Madison

The Town of Madison's Bicycle and Pedestrian Advisory Committee (BPAC)²⁸ has conducted a series of planning and programming efforts to promote participation and enthusiasm for walking and biking. These events include:

- Kids Open Parking Lot Bike Event April 22, 2023
- Bike/Walk Safety Ice Cream Initiative Summer, 2022
- Bike Safety Rodeo May 21, 2022
- Walk to School Day at Ryerson Elementary October 1, 2021
- Community Crosswalks - an effort to bring a creative and fun aspect to established crosswalk sites throughout the Town.

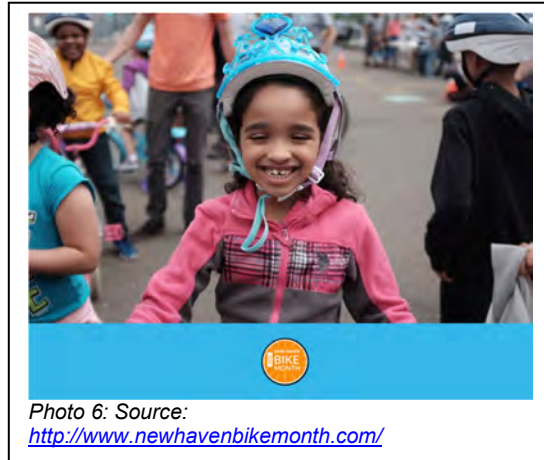


Photo 6: Source:
<http://www.newhavenbikemonth.com/>

New Haven

The City of New Haven has coordinated with various organizations to promote biking throughout the city and to demonstrate that biking is a sustainable and viable transportation and recreation option.

- New Haven Bike Month¹ is an organization of community members who promote the month long celebration of all things bicycle, including rides, events, and bicycle repair workshops.



Photo 5: Source:
<https://www.madisonct.org/946/BPAC-Happenings>

²⁸ Town of Madison. <https://www.madisonct.org/885/Bicycle-and-Pedestrian-Advisory-Committee> . Downloaded April 2023.

- goNewHaven²⁹ is a coalition of volunteers that promote sustainable transportation options in New Haven and arrange events like the CarFreeChallenge, parklet design competitions, and other bicycle loving events.
- The Safe Streets Coalition of New Haven²⁹ is composed of local bike and pedestrian advocates who are helping to create a transportation system that prioritizes safety, equity, and the environment. In October 2020, they presented the City of New Haven with draft language for a commitment to Vision Zero within their city limits. To date, this resolution has not been approved by the city.

Meriden

The City of Meriden, guided by the Meriden Linear Trail Advisory Committee³⁰, has prioritized the development of miles of non-motorized trails within the city limits. Since 2006, the city has created the Quinnipiac River Gorge Trail, the Hanover Pond Trail, Harbor Brook Trail, and the Downtown Linear Trail, and has begun working on future trail connections that link to neighboring communities. This network of non-motorized connectivity is situated in a disadvantaged community where there was historical underdevelopment and under investment. The City of Meriden has demonstrated its commitment to equitable expansion of its non-motorized network.

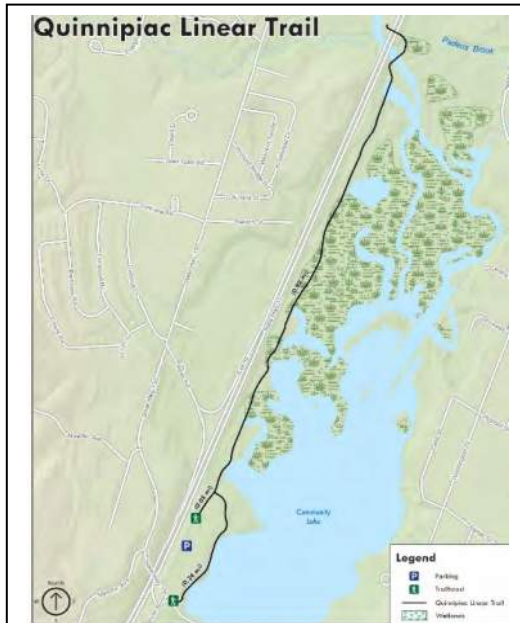


Photo 8: Source: https://www.thequinnipiacriver.com/sites/default/files/media/RecTrails_WA3_Alt_6-2-16_0.pdf

Wallingford

The Town of Wallingford has also been expanding its non-motorized connectivity by providing its residents with a safe alternative to walking and biking on or near the roadway. The city completed Phase 3 of the Quinnipiac River Linear Trail³¹ in 2016. This trail is a popular walking and biking destination for residents and visitors alike extending for more than 1.25 miles. The next goal for the Town is to expand the trail north and south to connect with trails in North Haven and Meriden. The Town has already received grant funds to create a path connecting the trail to the Wallingford Senior Center, further enhancing linkage to the downtown area, and providing direct access for those residents.

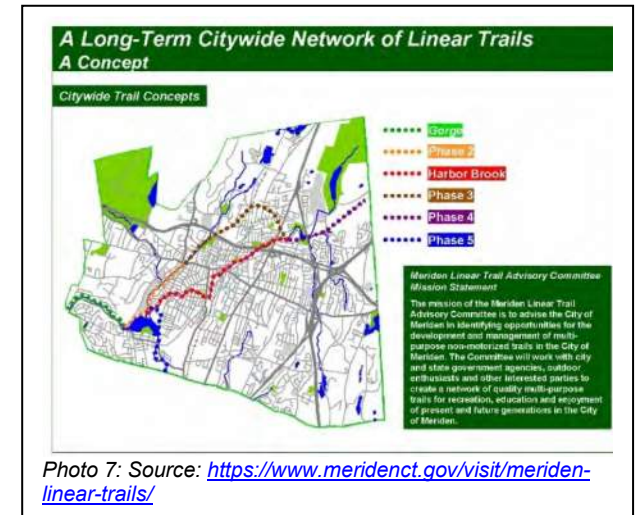


Photo 7: Source: <https://www.meridenct.gov/visit/meriden-linear-trails/>

²⁹ <https://www.safestreetsnewhaven.org/>

³⁰ <https://www.meridenct.gov/visit/meriden-linear-trails/>

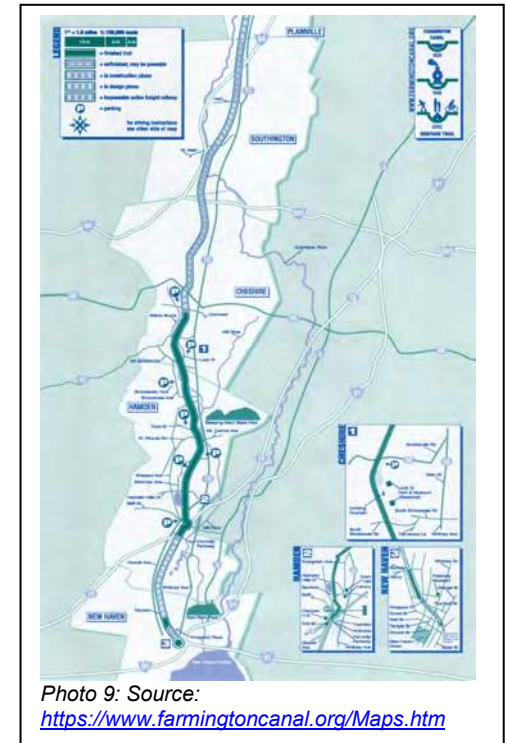
³¹ <https://www.wallingfordct.gov/government/boards-commissions-committees/quinnipiac-river-linear-trail-advisory-committee/>

Hamden

In March 2023, SCRCOG performed a comprehensive inventory and evaluation at the 11 at-grade crossings of the Farmington Canal Heritage Trail³² within the town of Hamden. As part of this project, existing deficiencies were identified through a field inventory of existing traffic control devices and pavement markings, and collection of various traffic data including speeds, volume counts, crashes, and the review of sight lines. Based on the findings, a range of countermeasures were proposed to increase safety for trail users that includes advanced warning signs, raised crosswalks, rectangular rapid flashing beacons (RRFBs), pedestrian refuge islands, and curb extensions.

Woodbridge

The Town of Woodbridge revised its Greenway plan³³ in late 2022 to help meet the town goals, as described in the Plan of Conservation & Development of building a connected community, by identifying walking paths to major town locations, reducing traffic and promoting healthy lifestyles. The major town locations include playgrounds, ball fields, public library, town hall, community center, and most significantly the business district, itself the focus of increased walkability and traffic moderation. The town maintains pathway connections to 5 surrounding towns, with the recent preservation of land along the West River enabling a future connection from the town's most trafficked area into New Haven and the pedestrian pathways being completed there.



³² <https://scrcog.org/wp-content/uploads/2023/05/Farmington-Canal-Trail-Crossings-Evaluation-Study-Report.pdf>

³³ <https://www.woodbridgect.org/DocumentCenter/View/5945/v-2022-11-Woodbridge-Greenway-Description--Plan>

6. Safety Analysis

Safety Analysis Methodology

Study Period: 2019-2021

Type of Crashes: Fatal and Injury Crashes Only

Performance Measure: Equivalent Property Damage Only

Screening Method: Simple Ranking (for intersections)

Sliding Window (for corridors)

This action plan uses robust data driven methodology to identify locations within the SCRCOG Region that experience high crash frequency. The crash data included in this report consisted of only injury and fatal crashes that occurred between January 1, 2019, and December 31, 2021. Limited access highways were excluded from the analysis. This report identifies 100 corridors and intersections with the highest fatal and injury crashes in the region and 40 locations with the highest number and severity of non-motorized vehicle crashes.

The safety analysis was conducted using the Connecticut Roadway Safety Management System (CRSMS)³⁴ developed by the University of Connecticut Transportation Safety Research Center. This web-based toolbox allows the

user to identify high crash locations based on methodologies documented in the Highway Safety Manual (HSM)³⁵. This toolbox currently includes all state and town-owned roadways and state-owned intersections.

6.1 Analysis Methodology

Performance Measure

The CRSMS toolbox provides multiple FHWA recognized performance measures to utilize in the safety analysis. For this action plan, “Equivalent Property Damage Only” (EPDO) and “Average Crash Frequency” methods were used. This method calculates a score for each site based on crash frequency and severity by assigning weighting factors to crashes. EPDO attaches greater numerical value to crashes resulting in a fatality (K) or a serious injury (A), a lesser number to crashes resulting in a moderate (B) or possible injury (C), and the least value to property damage only crashes (O). The EPDO score is weighted to the per mile per year unit for segments and per year for intersections and is then adapted for ranking sites. The monetary consequences of crashes are determined using the Consumer Price Index (CPI) and Employment Cost Index (ECI) released by the U.S. Bureau of Labor Statistics (BLS) and updated annually. These values are integrated in the CRSMS system and used automatically if EPDO is selected as the performance measure. Table 2 shows the crash cost weight assigned to each level of severity.

Table 2: EPDO Score Calculation

Severity	Description	Weight Factor	Crash Cost
K	Fatal	574	\$6,415,389
A	Suspected Serious Injury	30	\$338,576
B	Suspected minor Injury	11	\$123,646
C	Possible Injury	6	\$69,541
O	Property Damage Only	1	\$11,186

³⁴ Connecticut Roadway Safety Management System <https://crsms.uconn.edu/dashboard>

³⁵ AASHTO Highway Safety Manual. <https://www.highwaysafetymanual.org/Pages/default.aspx>

Screening Method

Simple Ranking

The simple ranking method is the simplest approach to rank sites based on crash frequency. This method was used to rank the high crash intersections for this report. Once an EPDO score is calculated for all intersections, this method ranks the intersections based on the value of the performance measure.

Sliding Window

For identifying high crash corridors, a sliding window method was used for this report. In this method, a window of a specified length is moved along the roadway segment with a specified incremental length. This process continues until it reaches the end of a continuous set of roadway segments. For each segment, ranking is based on the window that has the highest EPDO score. For this analysis, 0.2 miles window length was selected with a 0.1-mile increment.

6.2 High Injury Network

Roadway Segments

Appendix B includes the top 100 segments within the SCRCOG region, in order of highest to lowest EPDO score. Table 3 lists the top 100 high crash segments by municipality. As expected, high crash segments are more frequent with higher population density. 65% of the top 100 high crash segments are on state-owned roadways and the remaining 35% are on municipal-owned roadways.

Figure 17 shows the distribution of segments by facility type. Evidently, the segments are primarily in urban areas with urban undivided 4 or more lanes, urban undivided 2 lanes, and urban arterial 2 lanes as the most common ones.

Once the high crash segments were identified, they were added to the diagnosis module of the CRSMS toolbox. The diagnosis module includes detailed information on crashes, vehicles, and persons so that the program users can identify the crash trends and contributing factors. An analysis of the crashes occurring within the top 100 segments revealed that the majority of crashes occur during clear weather conditions and during daylight hours.

Table 3: High Crash Segments by Town

Municipality	Number of High Crash Segments		Total	Municipality	Number of High Crash Segments		Total
	State Road	Town Road			State Road	Town Road	
Bethany	3	2	5	New Haven	19	21	40
Branford	0	0	0	North Branford	4	1	5
East Haven	2	2	4	North Haven	3	0	3
Guilford	0	0	0	Orange	2	1	3
Hamden	11	2	13	Wallingford	2	1	3
Madison	1	0	1	West Haven	11	0	11
Meriden	2	3	5	Woodbridge	2	0	2
Milford	3	2	5	–	–	–	–

Among the 805 crashes occurring on these 100 segments, 9.3% were fatal crashes (K), 7.2% crashes were suspected serious injury (A), 25.2% were suspected minor injury (B), and 58.3% were possible injury crashes.

Figure 16 shows the crash trends observed at the high crash segments. The CRSMS toolbox provides additional information regarding the emphasis areas identified by CTDOT in the Strategic Highway Safety Plan (SHSP).³⁶

The top two contributors for the segment crashes were aggressive driving and young drivers. The top two crash types were identified as front to rear crashes and angle crashes. For both crash types, the most common level of injury was possible injury (C). 61% of the crashes within the high injury crash segments happened on state routes, 14% happened on US routes, and 25% on local roads.

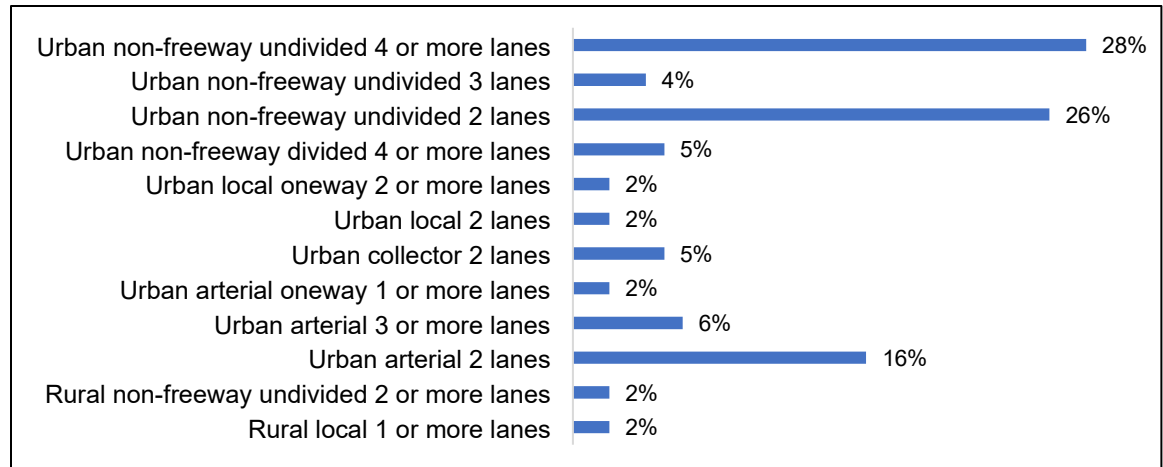


Figure 17: High Injury Crash Segments by Facility Type

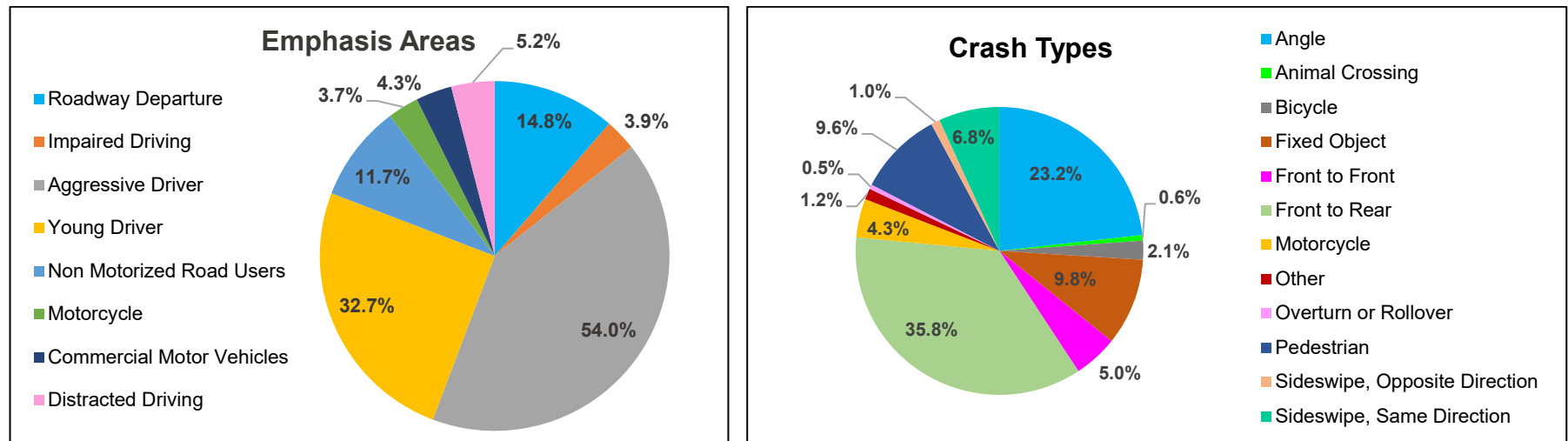


Figure 16: Crash Trends in Top 100 High Injury Roadway Segments

³⁶ Connecticut Strategic Highway Safety Plan, 2021. <https://portal.ct.gov/DOT/Bureau-of-Policy/Strategic-Highway-Safety-Plan>

Further investigation revealed that certain crashes tend to contribute to a higher level of injury compared to others. For example, motorcycle crashes are only 4.3% of all injury crashes but 34% of the motorcycle* crashes resulted in fatalities and 31% resulted in serious injuries. Similarly, 42% of the pedestrian crashes resulted in fatalities. Figure 18 shows some additional crash trends that emerged after further investigation of individual crash types and contributing factors.

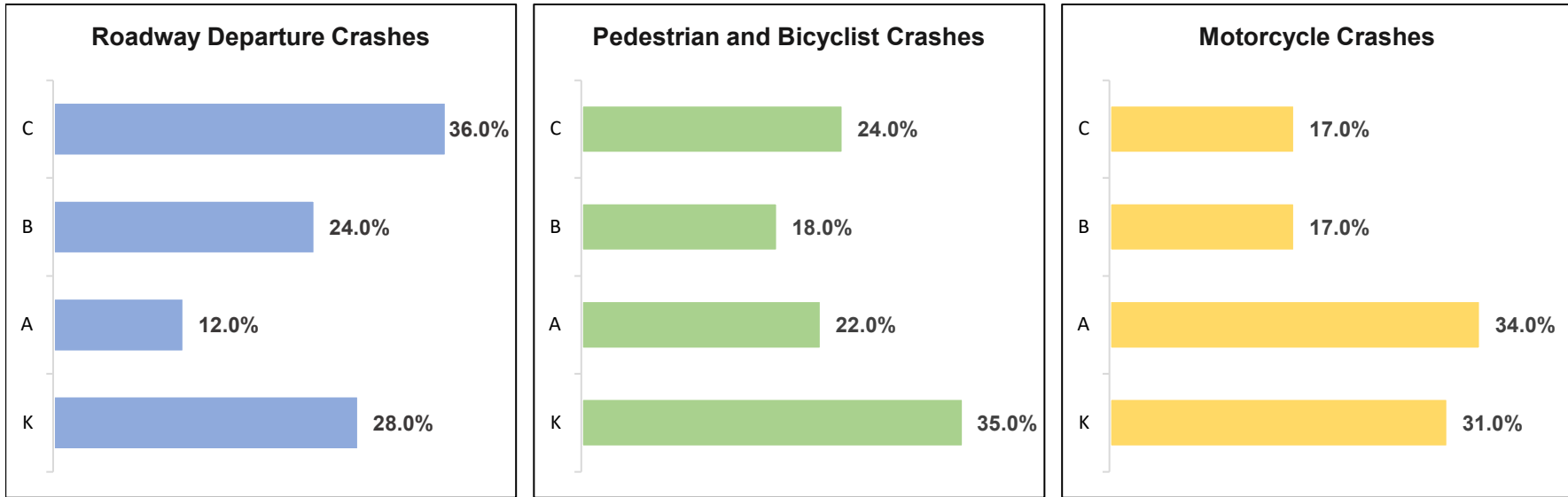


Figure 18: Additional Crash Trends Related to Injury

Figure 19 shows the locations of the high crash segments. 37 out of the 100 segments fall within disadvantaged communities as defined by the Climate and Economic Justice Screening Tool (CEJST).³⁷

³⁷ Climate and Economic Justice Screening Tool. <https://screeningtool.geoplatform.gov/en/#3/33.47/-97.5>

* Motorcycle crashes involve motorcycles, mopeds, and scooters.

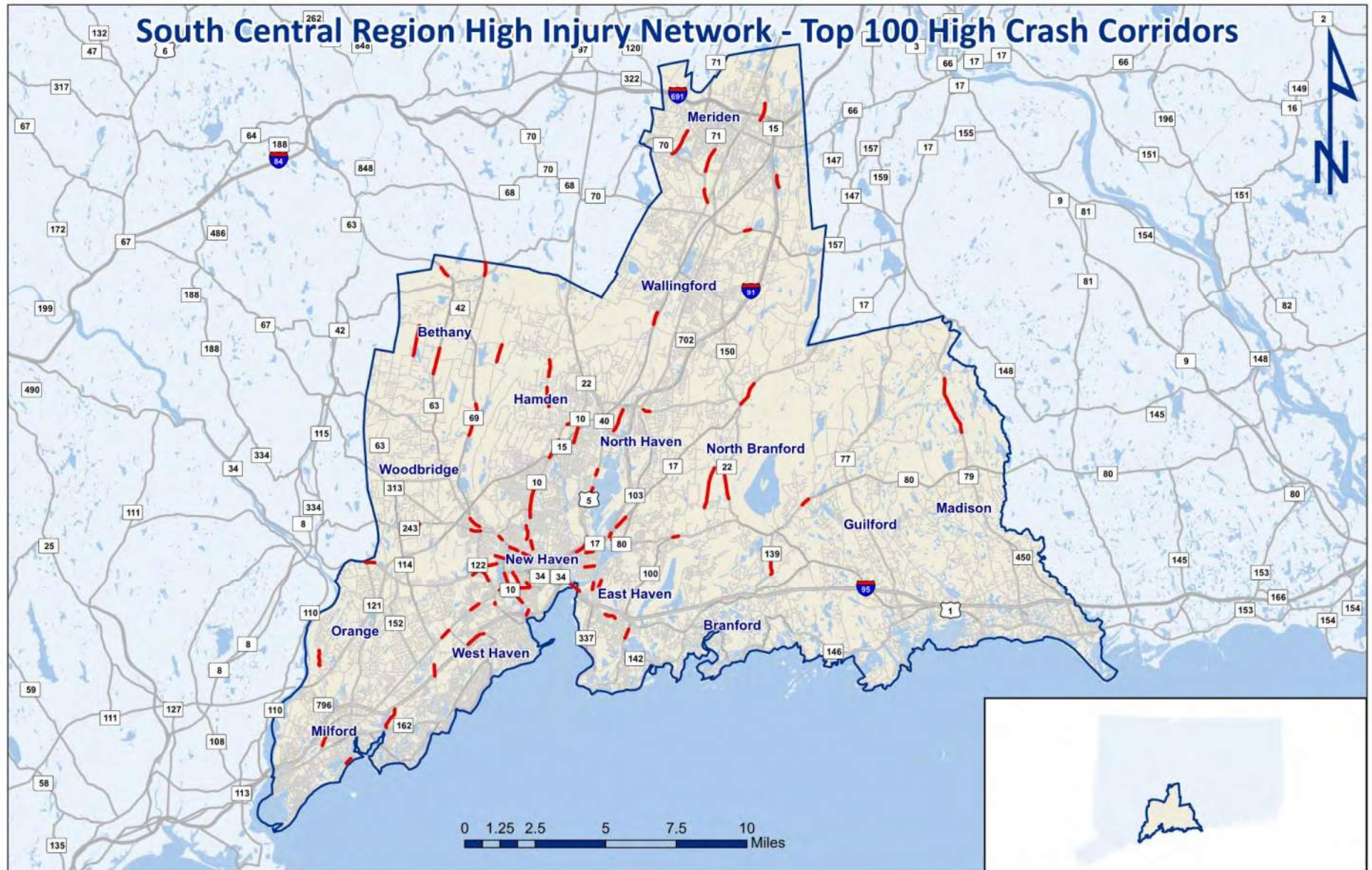


Figure 19: SCRCOG High Injury Network (Roadway Segments)

Intersections

Appendix C includes the top 100 high crash intersections within the SCRCOG region from 2019-2021. Table 4 lists the top 100 high crash intersections by town. Since the CRSMS toolbox only includes state-owned intersections, municipal-owned intersections were automatically excluded from this analysis. 82% of the top 100 high crash intersections at state-owned locations are signalized and the remaining 18% are unsignalized.

Among the 1,074 crashes occurring at these 100 state-owned intersections, 1.4% were fatal (K), 7.5% were suspected serious injury (A), 24.1% were suspected minor injury (B), and 66.9% were possible injury. The top two contributors for the intersection crashes are the same as segment crashes: aggressive driving and young driver related crashes as shown in Figure 20. The top two crash types were identified as front to rear crashes and angle crashes.

Table 4: High Crash Intersections by Town

Municipal Name	Number of High Crash Intersections	Municipal Name	Number of High Crash Intersections
Bethany	0	New Haven	33
Branford	5	North Branford	1
East Haven	2	North Haven	7
Guilford	1	Orange	8
Hamden	8	Wallingford	6
Madison	1	West Haven	13
Meriden	6	Woodbridge	3
Milford	6	-	-

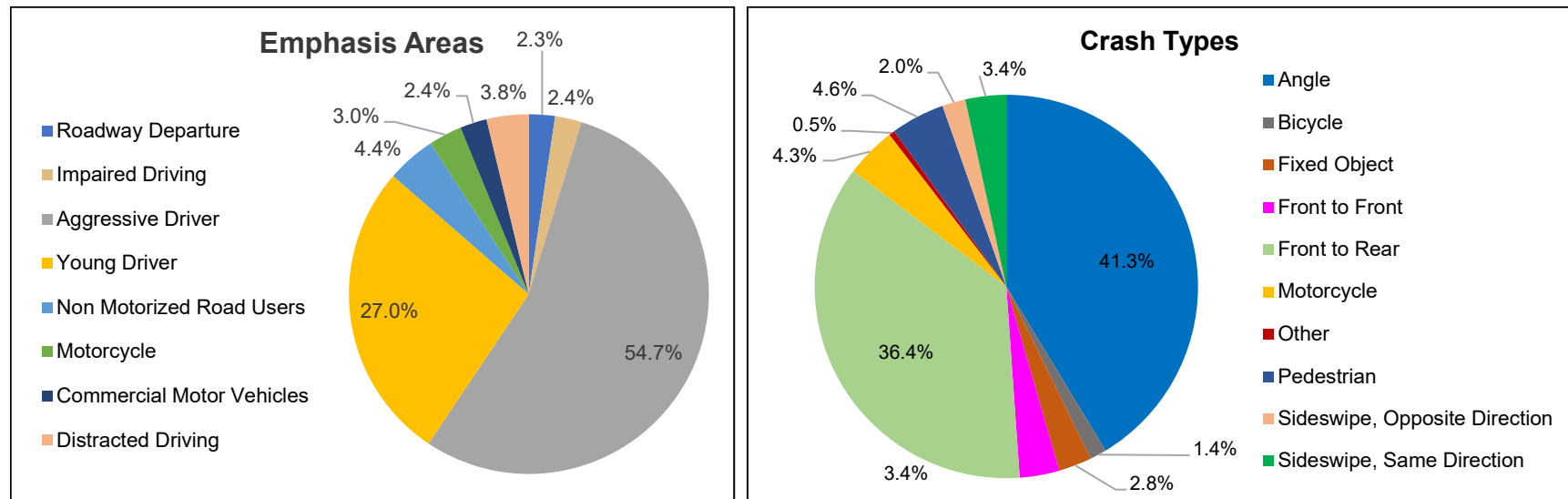


Figure 20: Crash Trends at Top 100 High Crash Intersections

Additional examination showed that 39% of motorcycle* crashes result in serious injury even though motorcycle crashes are only 4.3% of all injury crashes occurring at intersections. Figure 21 shows some additional crash trends that emerged after further investigation of individual crash types and contributing factors.

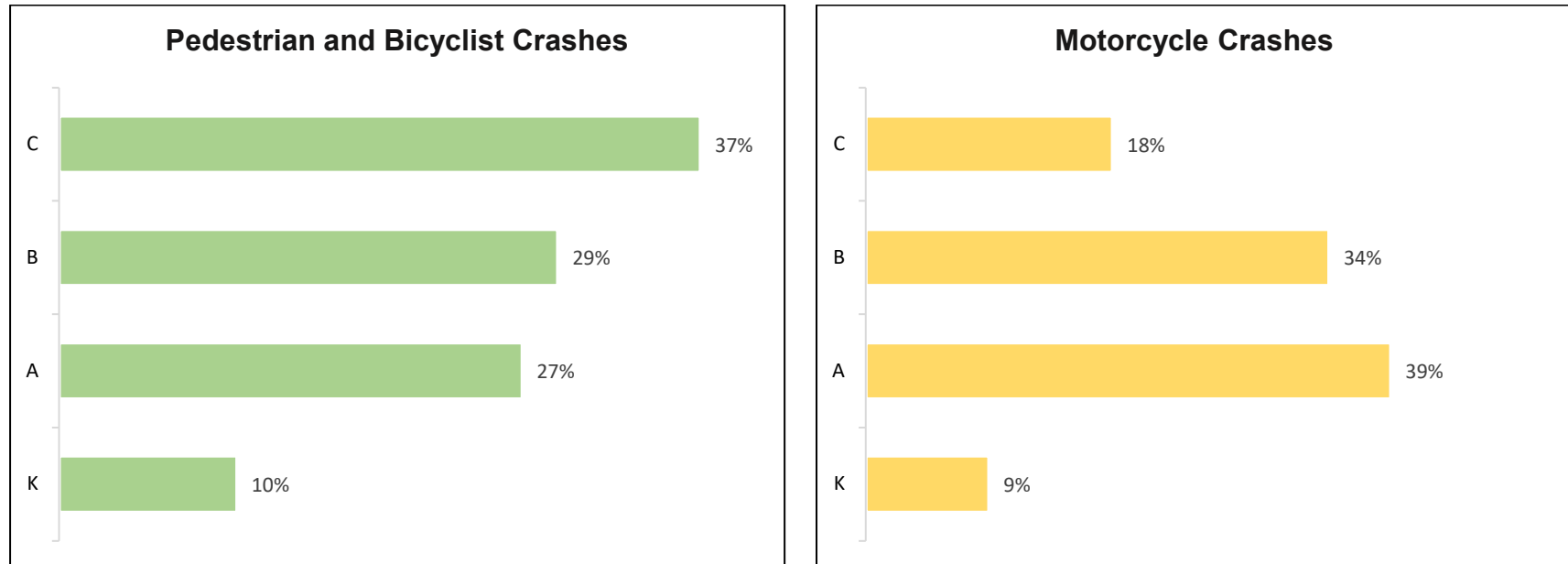


Figure 21: Additional Crash Trends at Intersections

Figure 22 shows the locations of the high crash intersections. 39 out of the 100 intersections fall within disadvantaged communities as defined by the Climate and Economic Justice Screening Tool (CEJST)³⁸.

³⁸ Climate and Economic Justice Screening Tool. <https://screeningtool.geoplatform.gov/en/#3/33.47/-97.5>

* Motorcycle crashes involve motorcycles, mopeds, and scooters.

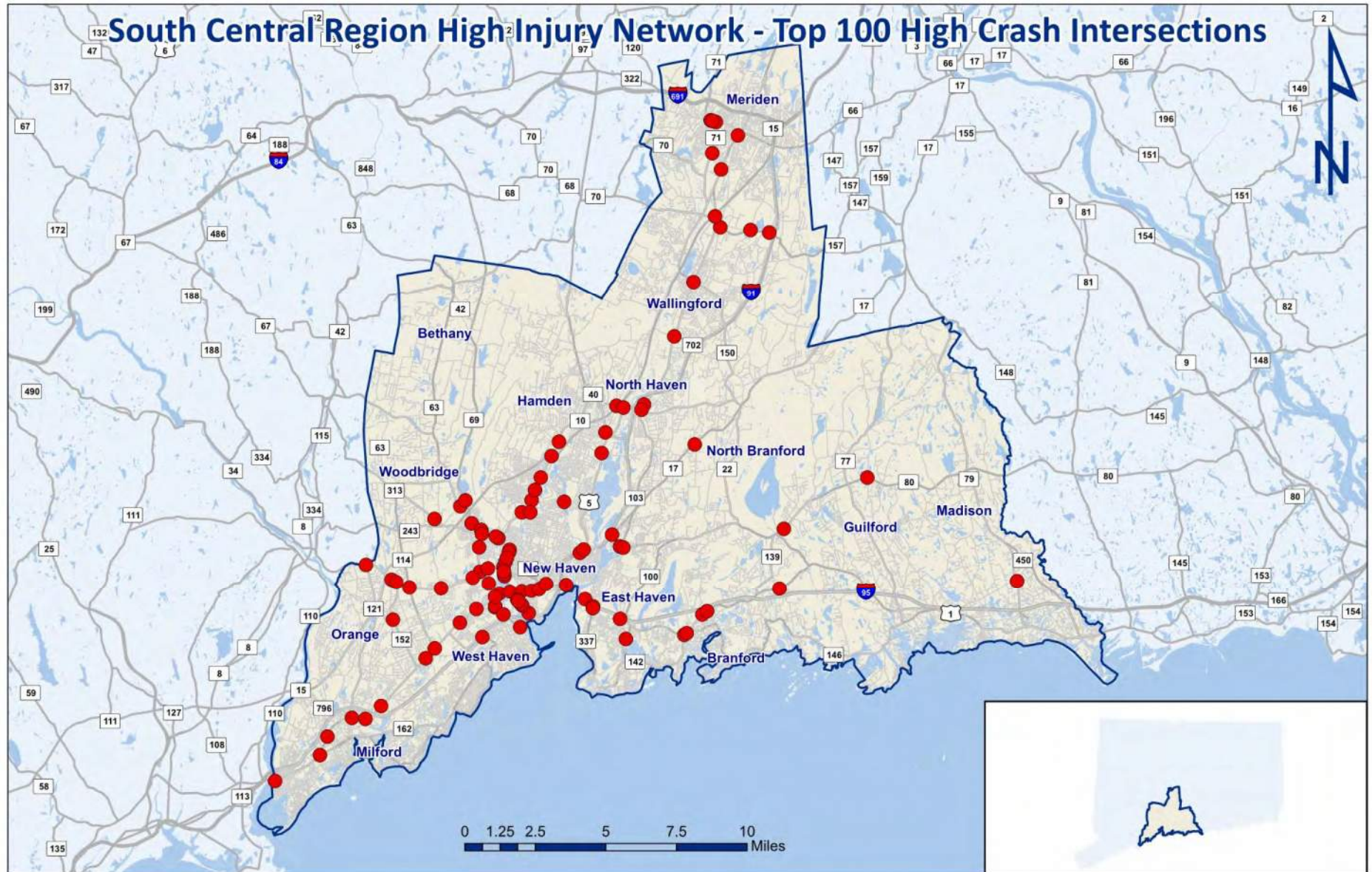


Figure 22: SCRCOG High Injury Network (Intersections)

Pedestrian and Bicyclist Related Crash Locations

The methodology for identifying locations with high pedestrian and bicycle crash frequency and severity was same as determining the high crash roadway segments and intersections. Using the CRSMS toolbox, high crash segments and intersections were identified that experiences higher pedestrian and bicycle crashes. Then the list was combined, and the top 40 locations were ranked based on the EPDO score. [Appendix D](#) identifies these 40 locations in order of highest to lowest EPDO score. Table 5 lists the top 40 high crash location for non-motorized crashes by municipality.

Within the SCRCOG region, pedestrian and bicycle crashes are more likely to occur on roadway segments than at intersections. Among the top 40 crash locations, there were only 5 intersections considered at high risk for non-motorized road users and the remaining locations were along various roadway segments.

Pedestrians and bicyclists are vulnerable road users and susceptible to higher level of injuries compared to motor vehicle users as seen in Figure 23. 45% of the pedestrian injury crashes occurring at the top 40 high risk locations from 2019-2021 were fatal. 24% of the crashes were serious injury crashes. These statistics demonstrate how pedestrians and bicycle crashes result in more injuries compared to motorized vehicle crashes. Another factor in these crashes is illumination. According to the crash data from 2019-2021 36% of the pedestrian crashes happened on dark but lighted roadway segments.

Figure 24 displays the sites of the data-identified high crash locations. Half of the 40 locations occurred within disadvantaged communities as defined by the Climate and Economic Justice Screening Tool (CEJST).³⁹

Table 5: High Pedestrian and Bicyclist Crash Locations by Town

Town Name	Number of High Crash Locations	Town Name	Number of High Crash Locations
Bethany	2	New Haven	19
Branford	0	North Branford	1
East Haven	1	North Haven	0
Guilford	0	Orange	1
Hamden	5	Wallingford	1
Madison	0	West Haven	5
Meriden	3	Woodbridge	0
Milford	2	–	–

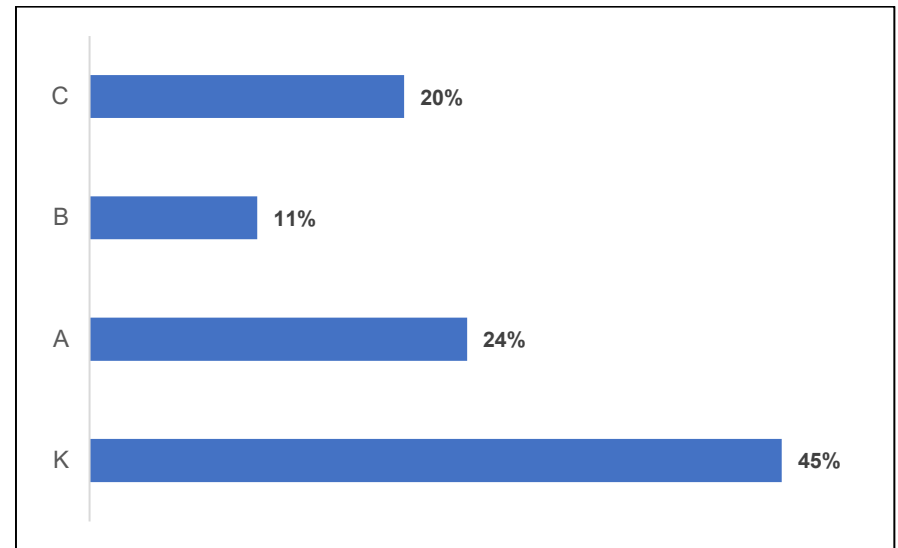


Figure 23: Non-Motorized Crashes by Level of Injury

³⁹ Climate and Economic Justice Screening Tool. <https://screeningtool.geoplatform.gov/en/#3/33.47/-97.5>

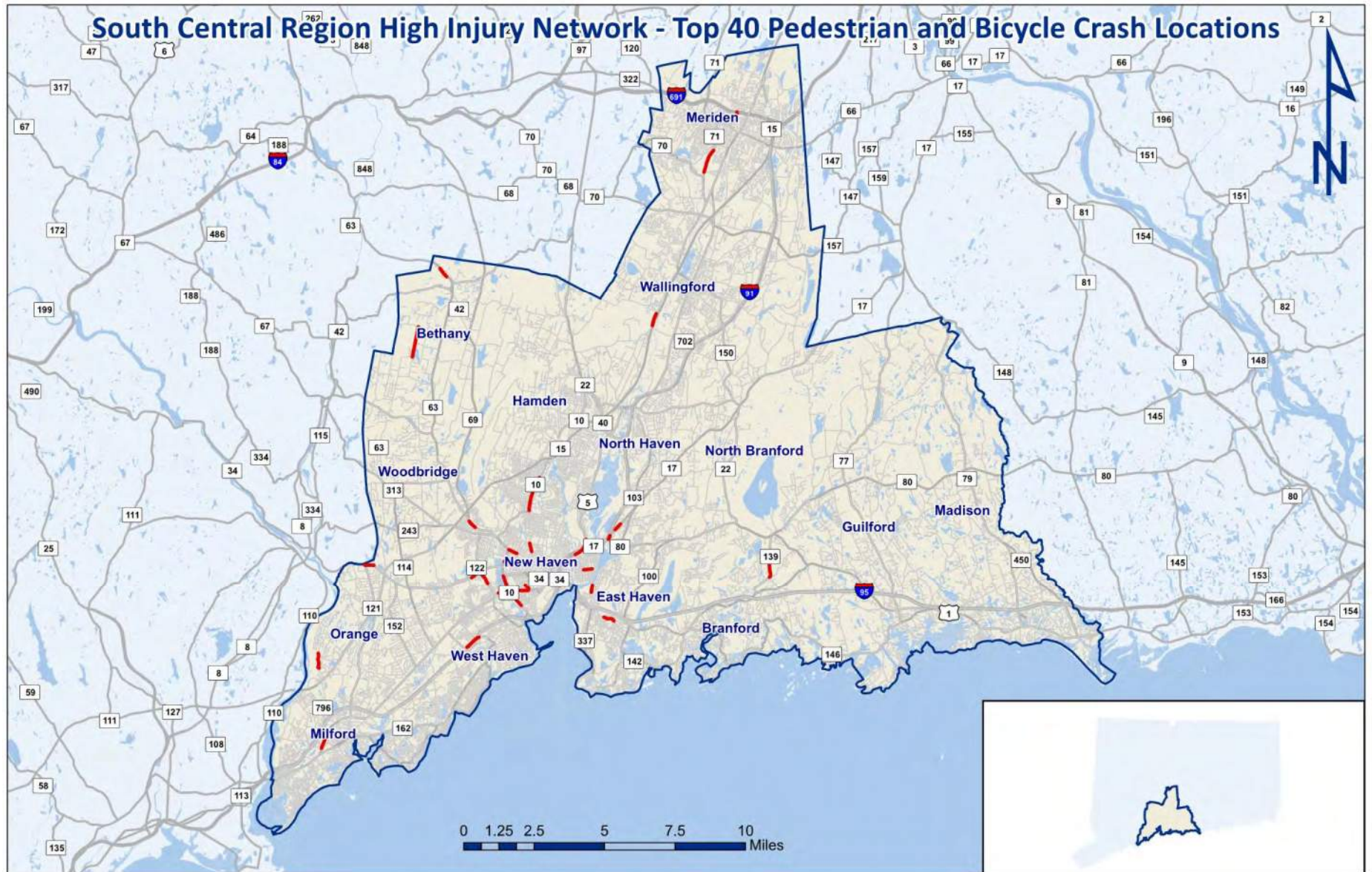


Figure 24: SCRCOG High Injury Network (Pedestrian & Bicyclists)

6.3 Crashes within Disadvantaged Communities

The high injury network identified in the previous section comprises of 100 roadway segments, 100 intersections and 40 pedestrian and bicycle crash locations. Within this network, 37 roadway segments, 39 intersections and 20 pedestrian and bicycle crash locations fall within disadvantaged communities, as defined by the Climate and Economic Justice Screening Tool (CEJST)⁴⁰. According to the 2020 census data, 4% of SCRCOG's total area is designated as disadvantaged and 20% of SCRCOG's population live in these communities.

47% of the total injury crashes within the high injury network happened in disadvantaged communities. Even though the disadvantaged communities comprise of a small portion of SCRCOG, 32% of all fatal crashes and 45% of all serious injury crashes happened within these communities.

Figure 25 shows a comparison between disadvantaged and non-disadvantaged communities. It is evident that the pedestrians and bicyclists in disadvantaged communities are more vulnerable as 57% of pedestrian injury crashes and 63% of bicyclist injury crashes occurred in these communities. These statistics reinforce the notion that equity is an important part of road safety, and it should be considered while allocating available funding.

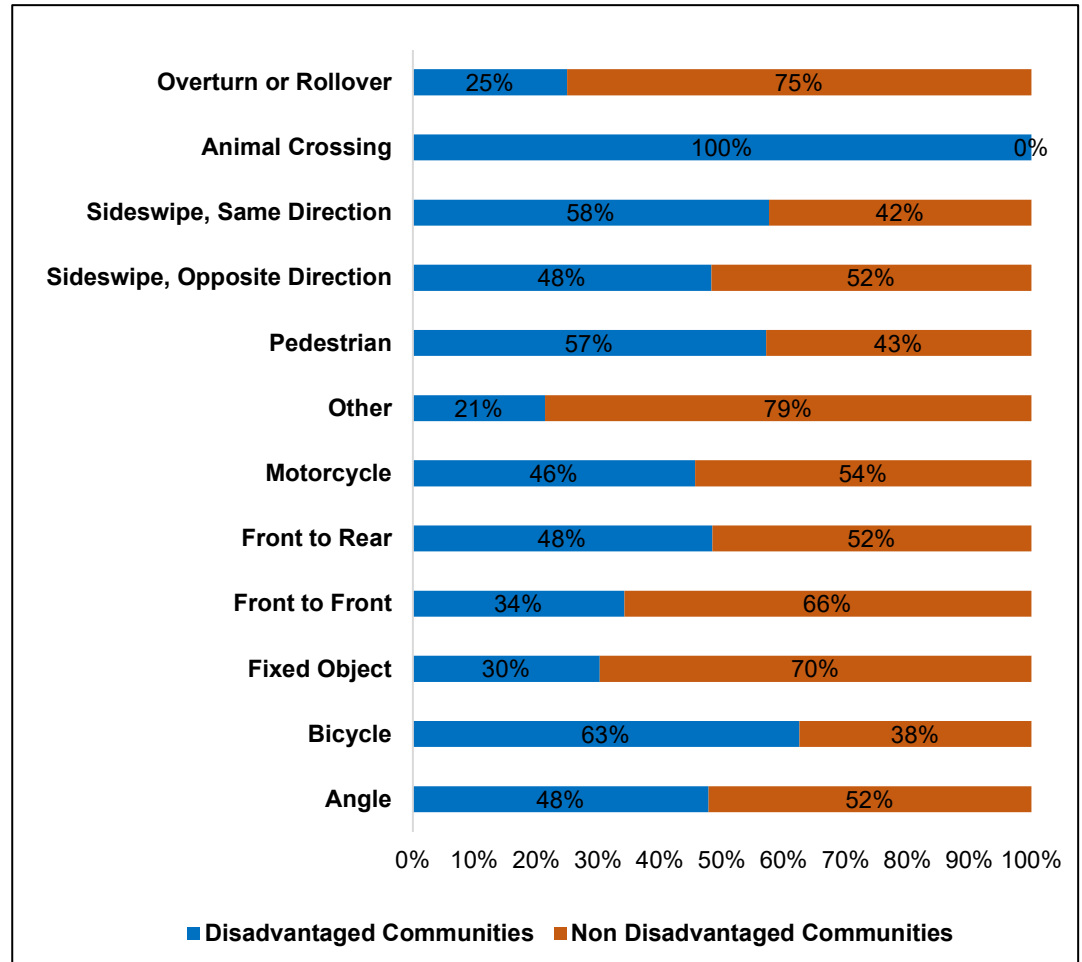


Figure 25: Comparison between disadvantaged and non-disadvantaged communities

⁴⁰ Climate and Economic Justice Screening Tool. <https://screeningtool.geoplatform.gov/en/#3/33.47/-97.5>

7. Potential Countermeasures

This chapter identifies potential countermeasures to mitigate crashes at locations identified in the previous chapter. Various resources (CMF Clearing House, Proven Safety Countermeasures by (USDOT) were referenced to provide applicable and low-cost solutions to mitigate crashes and improve safety. Based on the safety analysis, the contributing factors behind the crashes could be attributed to both physical infrastructure and road-user behavior.

Crash Contributing Factors

- Failure to yield right of way.
 - Unaware of intersection
 - Poor visibility of sign/signal
 - Misjudgment of the gap in traffic
- Aggressive Driving.
 - Speeding
 - Red light running
 - Following too closely
 - Improper lane change
- Vehicles not yielding to pedestrians/bicyclists.
- Roadway departure.
- Crossing without crosswalk.
- Conflict with vehicles coming out/turning into the driveways.
- Driving under influence.
- Distracted driving.
- Drowsy Driving.

Table 6 provides possible engineering countermeasures for reducing crashes at intersections and roadway segments. The effectiveness of these countermeasures depends on crash type, level of severity, roadway type, AADT, etc. Before implementing any of these strategies, detailed investigation of the selected locations will be required to ensure that they are feasible and context sensitive. While selecting countermeasures, low to medium cost options were prioritized instead of high-cost remedies to offer roadway owners viable and affordable solutions to improve roadway safety.

Table 7 provides potential strategies to mitigate the behavioral components that contribute to crashes. Factors such as speeding, aggressive driving, impaired/drowsy driving etc. require behavior modifications to reduce crash frequency and severity. Infrastructure alone is not sufficient to improve safety. Initiatives to raise public awareness, bolster and expand driver education to address behavior related safety issues, and increased law enforcement can increase users' awareness regarding risky driving and its negative consequences.

Non-infrastructure countermeasures can modify behaviors that contribute to crashes by demonstrating safe behavior, reinforcing safety messaging, including potentially fatal results from the risky driving practices and can increase the percentages of responsible roadway users.

Table 6: Potential Engineering Countermeasures

Countermeasure		Target Crashes	Severity	Roadway Type	Effectiveness	Reference
Rumble Strip	Install centerline rumble strips	Head On, Sideswipe	All	Not Specified	26% to 49%	https://www.cmfclearinghouse.org/study_detail.php?stid=207
		Head On, Sideswipe	K,A,B,C	Not Specified	35% to 64%	
	Install shoulder rumble strip	All	K,A,B,C	Principal Arterial Other, Freeways and Expressways	6% to 20%	
		All	K,A,B,C	Not Specified	5% to 44%	
		Run Off Road	All	Principal Arterial Other, Freeways and Expressways	6% to 33%	
		Run Off Road	All	Not Specified	16% to 44%	
		Run Off Road	K,A,B,C	Principal Arterial Other Freeways and Expressways	7% to 23%	
		Run Off Road	K,A,B,C	Not Specified	15% to 57%	
	Install edgeline rumble strip	Run Off Road	K,A,B,C	Principal Arterial Other, Freeways and Expressways	25% to 29%	
		Run Off Road	K,A,B,C	Not Specified	25% to 43%	
Clear Zone	Flatten side slope from 1V:3H to 1V:4H	Single-Vehicle	All	Minor Arterial	8%	https://www.cmfclearinghouse.org/study_detail.php?stid=23
	Flatten side slope from 1V:4H to 1V:6H	Single-Vehicle	All	Minor Arterial	12%	
	Increase distance to roadside features from 3.3 ft to 16.7 ft	All	All	All	22%	https://www.cmfclearinghouse.org/study_detail.php?stid=14
	Increase distance to roadside features from 16.7 ft to 30 ft	All	All	All	44%	
	Remove or relocate Roadside fixed objects outside of Clear Zone	Fixed Object	All	Not Specified	98%	https://www.cmfclearinghouse.org/study_detail.php?stid=180

Countermeasure		Target Crashes	Severity	Roadway Type	Effectiveness	Reference
Access Management	Reduce driveway density	All	Injury	Minor Arterial	25-31%	https://www.cmfclearinghouse.org/study_detail.php?stid=14
Lighting	Provide highway lighting	All	K	All	69%	https://www.cmfclearinghouse.org/study_detail.php?stid=14
		Nighttime	A,B,C	All	28%	
	Provide intersection illumination	All	K	Not Specified	77%	
		All	A,B,C	Not Specified	50%	
		Nighttime	A,B,C	Not Specified	38%	
		Vehicle-Pedestrian	K	Not Specified	78% to 82%	
		Vehicle-Pedestrian	A,B,C	Not Specified	59%	
Friction	Install high friction surface treatment	Run Off Road	All	Not Specified	43% to 77%	https://www.cmfclearinghouse.org/study_detail.php?stid=599
		Wet Road	All	Not Specified	71% to 90%	
	Increased pavement friction	All	All	All	57%	https://www.cmfclearinghouse.org/study_detail.php?stid=23
		Wet Road	All	All	57%	
		Single-Vehicle	All	All	30%	
Barriers	Install cable barrier and guardrail	All	All	Not Specified	57%	https://www.cmfclearinghouse.org/study_detail.php?stid=651
		All	K,A,B,C	Not Specified	70%	
	Install median barrier	All	K	Principal Arterial Other	43%	https://www.cmfclearinghouse.org/study_detail.php?stid=14
		All	A,B,C	Principal Arterial Other	30%	
	Install roadside barrier	Run Off Road	K,A,B,C	Not Specified	51%	https://www.cmfclearinghouse.org/study_detail.php?stid=400
Parking	Prohibit on-street parking	All	K,A,B,C	Principal Arterial Other	22%	https://www.cmfclearinghouse.org/study_detail.php?stid=297
Traffic Calming	Area-wide or corridor-specific traffic calming	All	A,B,C	All	11%	https://www.cmfclearinghouse.org/study_detail.php?stid=14
	Install transverse rumble strips as traffic calming device	All	All	Local	34%	
		All	A,B,C	Local	36%	

Countermeasure		Target Crashes	Severity	Roadway Type	Effectiveness	Reference
Signs and Markings	Install chevron signs on horizontal curves	Head on, Run off road, Sideswipe	All	All	22%	https://www.cmfclearinghouse.org/study_detail.php?stid=160
	Install oversized chevron signs	All	K,A,B,C	Not Specified	15%	https://www.cmfclearinghouse.org/study_detail.php?stid=482
		Nighttime	All	Not Specified	11% to 44%	
	Advance static curve warning signs	All	A,B,C	Not Specified	30%	
	Install combination horizontal alignment/ advisory speed signs	All	A,B,C	Not Specified	13%	
	Install dynamic speed feedback sign	All	All	Not Specified	5% to 7%	https://www.cmfclearinghouse.org/study_detail.php?stid=418
		Single-Vehicle	All	Not Specified	5%	
	Install in-lane curve warning pavement markings	All	All	Not Specified	29% to 35%	https://www.cmfclearinghouse.org/study_detail.php?stid=564
		All	K,A,B,C	Not Specified	23% to 31%	
		Run Off Road	All	Not Specified	23% to 26%	
	Install edge lines (Tangents & Curves)	All	All		15.20%	https://www.cmfclearinghouse.org/study_detail.php?stid=583
		All	K,A,B,C		19.30%	
	Provide "Stop Ahead" pavement markings	All	K,A,B,C	Not Specified	69% to 86%	https://www.cmfclearinghouse.org/study_detail.php?stid=494
		Angle	K,A,B,C	Not Specified	71% to 88%	
		Rear End	K,A,B,C	Not Specified	86% to 96%	
	Install advanced yield or stop markings and signs	Rear End, Sideswipe	All	Minor Arterial	20%	https://www.cmfclearinghouse.org/study_detail.php?stid=487
		Vehicle/Pedestrian	All	Minor Arterial	25%	
	Introduce painted left-turn channelization	All	All	Not Specified	33%	https://www.cmfclearinghouse.org/study_detail.php?stid=33
		Rear End, Sideswipe	All	Not Specified	39%	
	Implement systemic signing and marking improvements at stop-controlled intersections	All	K,A,B,C	All	10%	https://www.cmfclearinghouse.org/study_detail.php?stid=492
		Nighttime	K,A,B,C	All	15%	
		Angle	All	All	6% to 17%	
	Implement systemic signing and visibility improvements at signalized intersections	All	K,A,B,C	All	9% to 25%	
		Nighttime	All	All	4% to 12%	
		Angle	All	All	12% to 35%	

Countermeasure		Target Crashes	Severity	Roadway Type	Effectiveness	Reference
Turn Lanes	Introduce raised/curb left-turn channelization	All	All	Not Specified	13%	
		Rear End, Sideswipe	All	Not Specified	25%	
	Improve left-turn lane offset to create positive offset	All	All	Not Specified	34%	https://www.cmfclearinghouse.org/study_detail.php?stid=389
		All	K,A,B,C	Not Specified	36%	
		Left Turn	All	Not Specified	38%	
		Rear end	All	Not Specified	32%	
	Installation of left-turn lanes on both major road approaches	All	All	Minor Arterial	33%	https://www.cmfclearinghouse.org/study_detail.php?stid=24
	Provide a right-turn lane on both major-road approaches	All	K,A,B,C	Minor Arterial	17% to 41%	
	Provide a left-turn lane on one major-road approach	All	All	Minor Arterial	7% to 18%	
	Provide a right-turn lane on one major-road approach	All	All	Not Specified	4% to 14%	
		All	K,A,B,C	Not Specified	9% to 23%	
	Improve angle of channelized right turn lane	All	All	Not Specified	44%	https://www.cmfclearinghouse.org/study_detail.php?stid=466
		Right Turn, Other	All	Not Specified	60%	
Signal Phasing	Change left-turn phase from permissive to protected/permissive or permissive/protected phasing on one or more approaches	Left Turn	K,A,B,C	Not Specified	16%	https://www.cmfclearinghouse.org/study_detail.php?stid=297
	Change from permissive only to flashing yellow arrow protected/permissive left turn	Left Turn	K,A,B,C	Not Specified	41%	https://www.cmfclearinghouse.org/study_detail.php?stid=422
	Increase all red clearance interval	All	K,A,B,C	Not Specified	14%	
		Rear End	All	Not Specified	20%	
	Increase total change interval (remains less than ITE recommended practice)	All	K,A,B,C	Not Specified	34%	
		Rear End	All	Not Specified	15%	
		Angle	All	Not Specified	16%	
	Increase yellow change interval	Rear End	All	Not Specified	7%	

Countermeasure		Target Crashes	Severity	Roadway Type	Effectiveness	Reference
Visibility	Improve signal visibility	All	K,A,B,C	Not Specified	29%	https://www.cmfclearinghouse.org/study_detail.php?stid=247
	Increase retro reflectivity of STOP signs	All	K,A,B,C	All	6% to 9%	https://www.cmfclearinghouse.org/study_detail.php?stid=388
	Install new fluorescent curve signs or upgrade existing curve signs to fluorescent sheeting	Head on, Nighttime, Non-intersection, Run off road, Sideswipe	All	All	34%	
	Install dynamic signal warning flashers	All	All	Not Specified	19%	https://www.cmfclearinghouse.org/study_detail.php?stid=290
		Angle	All	Not Specified	26%	
		Rear End	All	Not Specified	21%	
	Install a combination of chevron signs, curve warning signs, and/or sequential flashing beacons	All	All	Principal Arterial Other Freeways and Expressways	25% to 58%	https://www.cmfclearinghouse.org/study_detail.php?stid=102
		Angle, Fixed object, Sideswipe, Head on, Rear End, Single vehicle	All	Principal Arterial Other Freeways and Expressways	13% to 38%	
		Run Off Road	All	Principal Arterial Other Freeways and Expressways	24% to 56%	
				Principal Arterial Other Freeways and Expressways		
	Add retroreflective sheeting to signal backplates	All	All	Not Specified	15%	https://www.cmfclearinghouse.org/study_detail.php?stid=85
Pedestrians & Bicycles	Add exclusive pedestrian phasing	Vehicle/Pedestrian	All	Not Specified	35%	https://www.cmfclearinghouse.org/study_detail.php?stid=330
	Increase length of signal phases to allow pedestrians more crossing time	Vehicle/Pedestrian	All	Not Specified	51%	https://www.cmfclearinghouse.org/study_detail.php?stid=579
	Install pedestrian countdown timer	Rear End	All	Not Specified	13%	
		Vehicle/Pedestrian	All	Not Specified	9%	

Countermeasure		Target Crashes	Severity	Roadway Type	Effectiveness	Reference
Pedestrians & Bicycles Contd.)	Install a pedestrian hybrid beacon (PHB or HAWK)	Vehicle/Pedestrian	All	All	37% to 46%	https://www.cmfclearinghouse.org/study_detail.php?stid=611
			K,A,B,C	All	25% to 45%	
		Rear End	All	All	12% to 22%	
			K,A,B,C	All	29% to 36%	
		Angle	All	All	13% to 29%	
			K,A,B,C	All	22% to 45%	
	Install raised median with or without marked crosswalk (uncontrolled)	All	All	Minor Arterial	26%	https://www.cmfclearinghouse.org/study_detail.php?stid=665
		Rear End, Sideswipe	All	Minor Arterial	26%	
		Vehicle/Pedestrian	All	Minor Arterial	32%	
	Install rectangular rapid flashing beacon (RRFB)	Vehicle/Pedestrian	All	Minor Arterial	47%	https://www.cmfclearinghouse.org/study_detail.php?stid=656
	Install sidewalk	Vehicle/Pedestrian	All	All	40%	
	Presence of a pedestrian crosswalk at midblock locations	Vehicle/Pedestrian	All	Not Specified	18%	
	Median treatment for ped/bike safety	Vehicle/Bicycle, Vehicle/Pedestrian	K	Not Specified	86%	
	Presence of median	Vehicle/Bicycle	All	Not Specified	3%	
	Install bicycle boulevard	Vehicle/Bicycle	All	Not Specified	63%	
	Install cycle tracks, bike lanes, or on-street cycling	Vehicle/Bicycle	A,B,C	Not Specified	8% to 94%	
	Provide protected left-turn phase	Vehicle/Bicycle	All	Not Specified	31%	
	Leading pedestrian intervals	Vehicle/Pedestrian	All	All	9% to 46%	

Table 7: Potential Strategies to Improve Road-User Behavior

Concern	Behavioral Countermeasure	References
Drowsy Driving	Support the DPS to provide evidence-based awareness and educational message strategies that address why drowsy driving is risky, how motorists can prevent drowsy driving, signs and symptoms of drowsy driving, and strategies for dealing with drowsiness as a driver. Investigate drowsy driving legislation and potential for changing awareness and attitudes towards drowsy driving. Identify high risk drivers for drowsy driving. The National Sleep Foundation has a Drowsy Driving Prevention Week in November to help reduce the number of drowsy-driving related crashes in the United States. Campaign materials are provided for this campaign event through the National Highway Traffic Safety Administration (NHTSA). The US DOT Traffic Safety Marketing provides a Fact Sheet, Sample News Release, and an educational sheet that address drowsy driving prevention.	https://www.nhtsa.gov/risky-driving/drowsy-driving
		https://www.cdc.gov/sleep/features/drowsy-driving.html
		https://www.thensf.org/drowsy-driving-prevention/
		https://www.fmcsa.dot.gov/driver-safety/sleep-apnea/drowsy-driving-quiz
		https://www.nts.gov/Advocacy/safety-alerts/Documents/SA-061.pdf
		https://www.thensf.org/drowsy-driving-prevention/
Speeding	"When Speeding Kills" marketing campaign materials are provided by the Connecticut Department of Transportation to encourage safe travel speeds in Connecticut. Alternative campaign materials that share the message "Stop Speeding before it Stops You" are provided by the USDOT's Traffic Safety Marketing (TSM) website. Banner Ads, media, logos, radio ads, television ads, and web videos for speed campaigns are provided by the US DOT Traffic Safety Marketing and NHTSA.	https://www.nhtsa.gov/risky-driving/speeding#issue-%20consequences
		https://icsw.nhtsa.gov/newtsm/tk-speeding/
		https://www.trafficsafetymarketing.gov/get-materials/speed-prevention/speeding-wrecks-lives
		https://www.trafficsafetymarketing.gov/get-materials/speed-prevention/speeding-wrecks-lives/speeding-slows-you-down-enforcement
Older Driver Safety	Older driver campaigns focus on providing resources for older drivers, their families, caregivers, medical providers, and law enforcement to educate how age and medical conditions can affect driving, how to assess older driver safety issues, and other transportation options in case an older driver's mobility is threatened when they are no longer recommended to drive a motor vehicle. NHTSA provides information for what to do if an individual has concerns about an older driver's ability to drive and what the proper licensing procedures are for older drivers. The US DOT Traffic Safety Marketing webpage provides marketing resources for the DriveWell campaign that focuses on older driver safety and mobility.	https://www.trafficsafetymarketing.gov/get-materials/older-drivers
		https://www.nhtsa.gov/older-drivers/keeping-our-older-drivers-safe-road
		https://www.cdc.gov/injury/features/older-driver-safety/index.html

Concern	Behavioral Countermeasure	References
Younger Driver Safety	Crashes are the leading cause of teen deaths, according to NHTSA. Public education campaigns that focus on younger driver safety highlight how to properly prepare younger drivers and their families for the responsibility of driving. NHTSA uses crash trends, safety messages, and various resources to discuss teen driver licensing requirements and key risk factors for younger drivers including illegal use of alcohol, seat belt use, and distracted driving. NHTSA also highlights the importance of influence that parents, educators, coaches, and other trusted adults have on younger drivers and their behaviors. The US DOT's Traffic Safety Marketing webpage provides posters that communities can share on social media that are specifically marketed towards younger driver safety.	https://www.nhtsa.gov/book/countermeasures/countermeasures-work/young-drivers
		https://www.nhtsa.gov/road-safety/teen-driving
		https://www.cdc.gov/niosh/motorvehicle/topics/youngdrivers/default.html
		https://www.trafficsafetymarketing.gov/get-materials/teen-safety/national-teen-driver-safety-week
Drunk Driving	The USDOT and the National Highway Traffic Safety Administration (NHTSA) provide marketing campaign materials for year- round education such as "Buzzed Driving is Drunk Driving" or "Drive Sober or Get Pulled Over". The United States Department of Transportation issue encourages the use of their "No Refusal Toolkit" which is an enforcement strategy that allows jurisdictions to obtain search warrants for blood samples from drivers suspected of drinking who refuse breath tests. The US DOT website explains that this program should be publicized to let the public know that the chance of being caught and facing the consequences of drunk driving are high. Banner ads, media, logos, radio ads, television ads, and web videos for drunk driving campaigns are provided by the US DOT Traffic Safety Marketing and NHTSA. NHTSA also provides a yearly Communications Calendar that the organization uses to encourage communities to share campaign material by topic at specific times of the year as an increased awareness strategy.	https://www.cdc.gov/transportationsafety/impaired_driving/strategies.html
		https://www.nhtsa.gov/campaign/drive-sober-or-get-pulled-over
		https://www.nhtsa.gov/campaign/buzzed-driving
		https://www.nhtsa.gov/risky-driving/drunk-driving
		https://www.trafficsafetymarketing.gov/get-materials/drunk-driving
		https://www.cdc.gov/transportationsafety/impaired_driving/strategies.html
Motorcycle Safety	NHTSA's motorcycle safety message focuses on all road users sharing the road, motorcyclists making themselves visible, the use of DOT-compliant helmets, and riding sober. NHTSA provides information on the safest road behaviors. Banner ads, media, logos, radio ads, television ads, and web videos for motorcycle safety campaigns are provided by the US DOT Traffic Safety Marketing and NHTSA. NHTSA also provides a yearly Communications Calendar that the organization uses to encourage communities to share campaign material by topic at specific times of the year as an increased awareness strategy.	https://www.trafficsafetymarketing.gov/get-materials/motorcycle-safety
		https://www.nhtsa.gov/road-safety/motorcycles
		https://msf-usa.org/

Concern	Behavioral Countermeasure	References
Distracted Driving	NHTSA describes distracted driving as any activity that diverts the attention of the driver from driving, including using electronic devices, eating and drinking, talking to people in your vehicle, changing the station on the radio, entertainment/navigation systems, etc. NHTSA provides resources on its website to educate Americans on the dangers of distracted driving. NHTSA provides suggestions for how teens, parents, employers, and educators can get involved with preventing distracted driving and how to make your voice heard to educate your community. USDOT provides Traffic Safety Marketing focused on combating distracted driving through television ads that are available to every community. Banner Ads, media, logos, radio ads, television ads, and web videos for distracted driving campaigns are provided by the US DOT Traffic Safety Marketing and NHTSA. NHTSA also provides a yearly Communications Calendar that the organization uses to encourage communities to share campaign material by topic at specific times of the year as an increased awareness strategy.	https://www.nhtsa.gov/risky-driving/distracted-driving
		https://www.cdc.gov/transportationsafety/distracted_driving/index.html
		https://www.iihs.org/topics/distracted-driving
		https://www.nsc.org/road/safety-topics/distracted-driving/distracted-driving-home
		https://www.nhtsa.gov/campaign/distracted-driving
		https://www.trafficsafetymarketing.gov/get-materials/distracted-driving
		https://www.transportation.gov/mission/performance/distracted-driving-campaign
Pedestrian Safety	The Watch for Me CT campaign is run by the Connecticut Department of Transportation in partnership with the Connecticut Children's Medical Center Injury Prevention Center. This shares a message of responsibility for everyone on Connecticut roads, including pedestrians and bicyclists. The Watch for Me CT website provides facts about pedestrian crashes, pedestrian laws, and safety tips. The Watch for Me CT website also includes tips for drivers and campaign materials. NHTSA's pedestrian safety webpage provides pedestrian safety related research, tips, curriculum and programs that can be shared in any community to discuss pedestrian safety. The US DOT's Traffic Safety Marketing website provides campaign materials such as banner ads, media, logos, radio ads, television ads, and web videos for pedestrian campaigns used throughout the Country. NHTSA also provides a yearly Communications Calendar that the organization uses to encourage communities to share campaign material by topic at specific times of the year as an increased awareness strategy.	https://watchformect.org/
		https://portal.ct.gov/DOT/Commissions/Share-the-Road-CT/Share-the-Road-CT
		https://safety.fhwa.dot.gov/local_rural/pedcampaign/
		https://www.trafficsafetymarketing.gov/get-materials/pedestrian-safety
		https://www.nhtsa.gov/pedestrian-safety/how-pedestrians-can-walk-safely

Concern	Behavioral Countermeasure	References
Bicyclist Safety	The Watch for Me CT campaign is run by the Connecticut Department of Transportation in partnership with the Connecticut Children's Medical Center Injury Prevention Center. They share a message of responsibility for everyone on Connecticut roads, including pedestrians and bicyclists. The Watch for Me CT website provides facts about bicyclist crashes, bicyclist laws, and safety tips. The Watch for Me CT website also includes tips for drivers and campaign materials. NHTSA's bicyclist safety webpage provides bicyclist safety related research, tips, curriculum and programs that can be shared in any community to discuss bicyclist safety. The US DOT's Traffic Safety Marketing website provides campaign materials such as banner Ads, media, logos, radio ads, television ads, and web videos for bicyclist campaigns used throughout the Country. NHTSA also provides a yearly Communications Calendar that the organization uses to encourage communities to share campaign material by topic at specific times of the year as an increased awareness strategy.	https://watchformect.org/
		https://www.nhtsa.gov/road-safety/bicycle-safety
		https://www.nhtsa.gov/bicycle-safety/learn-bike-safely
		https://portal.ct.gov/-/media/DOT/documents/dprogserv/SRTS/CTSRTSCTKEduc7505PromoteBikeSafetypdf.pdf
		https://helmets.org/campaign.htm
NHTSA Communications Calendar: https://www.trafficsafetymarketing.gov/calendars		

8. Funding

Funding Program	Eligible Applicants	Guidelines
Local Transportation Capital Improvement Program (LoTCIP)	Municipalities within a COG are eligible for funding by submitting project proposals to the COG who ranks, selects, and submits to CTDOT.	Provides money to municipalities for transportation capital improvement projects. Eligible projects include reconstruction, pavement rehabilitation, sidewalks, and multi-use trails. All projects must be located on federally eligible roadways (except for multi-use trails). The municipality pays 100% of project design costs (considered local share) and 100% LOTCIP State-funded construction phase. https://portal.ct.gov/DOT/Office-of-Engineering/Highway-Design-Local-Roads-LOTICIP
Transportation Rural Improvement Program (TRIP)	Only municipalities with fifty percent or more of their population living in rural areas are eligible to apply for the current solicitation.	Funds municipal transportation improvements in rural municipalities. Eligible projects include roadway, signal, and structural and bridge safety improvements on a eligible roadways (minor rural collector road or greater). Additionally, on- and off-road bicycle facilities, sidewalks, and multi-use trails for pedestrian and cyclist accessibility are eligible anywhere within a rural boundary. https://portal.ct.gov/dot/pp_bureau/trip
Section 5310 Grant Program	Eligible subrecipients include private nonprofit organizations, states or local government authorities, and operators of public transportation.	Intended to improve mobility for seniors and individuals with disabilities. Eligible applicants are state and local governments, non-profit organizations, and transit districts. https://portal.ct.gov/DOT/Publictrans/Bureau-of-Public-Transportation/Section-5310-Program-Enhanced-Mobility-for-Seniors-and-Individuals-with-Disabilities
Congestion Mitigation Air Quality Improvement Program (CMAQ)	State's Metropolitan Transportation Organizations (MPOs) and the Rural Councils of Governments (COGs).	Funds a wide range of projects that address traffic congestion and air quality, including transit facility improvements, bicycle paths, and alternative-fuel vehicle purchases. https://portal.ct.gov/-/media/DOT/documents/dplansprojectsstudies/other/CTDOT_CMAQ_GUIDE_11302020.pdf
Community Connectivity Program (CCGP)	Municipalities that have entered into a Master Municipal Agreement for Construction Activities with the Department are eligible to apply for grants under this program. Other entities must request sponsorship from the Connecticut Municipality where the project is proposed.	Provides assistance for conducting Road Safety Audits of priority pedestrian and bicycle corridors and intersections, as well as funding for capital improvements that improve bicycle and pedestrian safety. https://portal.ct.gov/DOT/PP_Intermodal/CTConnectivity/CT-Connectivity-CCGP
Safe Streets for All (SS4A) Grant	Counties, cities, towns, transit agencies, and other special districts that are political subdivisions of a State, Metropolitan planning organizations (MPOs) and federally recognized Tribal governments are eligible to apply for this grant.	Provides fundings for regional, local, and tribal initiatives through the Bipartisan Infrastructure Law (BIL) to prevent roadway deaths and serious injuries. Funding is provided through two types of grants; Planning and Demonstration Grants that helps to develop, complete, or supplement a comprehensive safety action plan and Implementation Grants that provide assistance to implement projects and strategies identified in an Action Plan to address a roadway safety problem.

Funding Program	Eligible Applicants	Guidelines
Transportation Alternatives (TA) Set-Aside Program	Local Governments, Regional Transportation Authority, Transit Agency, Natural Resource of Public Land Agency, School District, Tribal Government, Nonprofit Entity Responsible for Administration of Local Transportation Safety Programs, Local or Regional Government Agency Responsible for Transportation or Recreational Trails.	Projects eligible for TA funding are similar to those eligible under the former TAP, and include those defined as transportation alternatives; including small-scale transportation projects such as bicycle and pedestrian facilities, recreation trails, safe route to schools projects, historic preservation, vegetation management, and environmental mitigation. https://portal.ct.gov/DOT/Office-of-Engineering/Highway-DesignLocal-RoadsTransportation-Alternatives-MultiUse-Trail-Program-Trail-Maintenance
Rebuilding American Infrastructure with Sustainability and Equity (RAISE) Program	State and local levels, including municipalities, Tribal governments, and counties.	RAISE Grants are for investments in surface transportation that will have a significant local or regional impact. Funding is for projects that improve safety, economic strength and global competitiveness, equity, and climate and sustainability consistent with DOT's strategic goal. https://www.transportation.gov/sites/dot.gov/files/2023-02/RAISE%202023%20NOFO%20Amendment2.pdf
Thriving Communities Program	Local, state, or Tribal governments including pueblos or villages, Metropolitan planning organizations, Transit agencies, Other political subdivisions of state or local governments.	Thriving Communities provide two years of no-cost intensive technical assistance to under-resourced and disadvantaged communities to help identify, develop, and deliver transportation projects that strengthen communities. https://www.transportation.gov/grants/thriving-communities
Small Town Economic Assistance Program (STEAP)	STEAP funds are issued by the State Bond Commission and can only be used for capital projects.	This program funds economic development, community conservation and quality of life projects for localities that are ineligible to receive Urban Action bonds (CGS Section 4-66c). https://portal.ct.gov/OPM/Bud-Other-Projects/STEAP/STEAP_Home
Local Capital Improvement Program (LoCIP)	Any town, city, borough, consolidated town and city or consolidated town and borough.	This program distributes formula-based entitlement funds to municipalities to reimburse the cost of eligible local capital improvement projects such as road, bridge or public building construction activities. https://portal.ct.gov/OPM/IGPP/Grants/LoCIP/Local-Capital-Improvement-Program-LoCIP-HOME-PAGE
Connecticut Recreational Trails Grant Program	Eligible sponsors include private organizations; municipalities; federal, state and regional agencies and other government entities such as tribal.	Grants to be used for planning/design, trail corridor acquisition, construction, construction administration, maintenance equipment, amenities and publications/outreach related to bikeways, multi-use trails (including motorized) and water trails (blue ways). https://portal.ct.gov/DEEP/Business-and-Financial-Assistance/Grants-Financial-Assistance/Recreation---Grants-and-Financial-Assistance

9. Strategies & Project Selection

Completion of the South Central Regional Council of Governments Regional Transportation Safety Plan is just one step towards improving roadway safety both locally and statewide. To ensure that these countermeasures are implemented CTDOT and SCRCOG's member municipalities will work cooperatively to implement appropriate measures. The SCRCOG and member municipalities have provided their local and regional knowledge, input, and strategies to this safety plan. Throughout the implementation of this plan, SCRCOG will be dedicated to assisting in bringing these strategies to fruition.

Table 8 identifies potential strategies that would address the identified safety concerns within SCRCOG jurisdiction. These strategies could be evaluated for each location in the high injury network identified in Chapter 6 and implemented as necessary. Priorities among the strategies and project locations would be decided in collaboration with the member municipalities, CTDOT, and based on availability of funding. Each member municipality can put together a list of projects using the information provided in this report and based on their priority.

Table 8: Potential Projects

Type	Project/Strategies	Cost	Timeframe
Engineering	Install rumble strips	Low	6-12 months
	Flatten side slope	Medium to High	12 – 18 months
	Remove or relocate roadside objects	Low to Medium	6-12 months
	Corridor Access Management	Low to Medium	> 18 months
	Install or improve roadway lighting	Medium	6-12 months
	Improve pavement friction	Low to Medium	12 – 18 months
	Install barriers and guardrails	Medium to High	12 – 18 months
	Traffic calming	Low to medium	12 – 18 months
	Install and/or update signs and pavement markings to improve driver awareness	Low	6 -12 months
	Signalized intersection improvement		
	Lane geometry	Low to High	12 – 18 months
	Signal timing	Medium to High	12 – 18 months
	Signal phasing	Medium to High	12 – 18 months
	Retroreflective backplates	Low	6 -12 months
	Unsignalized intersection improvement		
	Lane geometry	Low to High	6-12 months
	Sight distance improvement	Low	6-12 months

Type	Project/Strategies	Cost	Timeframe
Engineering (Contd.)	Evaluate conversion to signalized or all way stop control intersection	Medium to High	12-18 months
	Evaluate and improve retro reflectivity of all signs and delineators	Low to medium	> 18 months
	Install crosswalk and/or update existing crosswalk	Medium to High	12-18 months
	Install signs and pavement markings for safe movement of pedestrians	Low to high	6-12 months
	Implement Leading Pedestrian Interval (LPI) at signalized intersections	Medium to High	> 18 months
	Install pedestrian signal head and countdown timer	Low to Medium	6-12 months
	Install bicycle lane or shared use lane	Low to High	12-18 months
	Determine gaps in the sidewalk network and build a connected network	High	> 18 months
	Road Safety Audits	Low	> 18 months
Education	Develop education and awareness program to address drowsy driving	Low to Medium	6-12 months
	Develop education and awareness program to address driving under influence	Low to Medium	6-12 months
	Develop education and awareness program to address distracted driving	Low to Medium	6-12 months
	Develop education and awareness program for vulnerable road users	Low to Medium	6-12 months
Enforcement	High feasibility enforcement	Low to Medium	6-12 months
Policy/Guideline	Develop a complete street guideline	Low	6-12 months
	Update the existing Pedestrian & Bicycle Safety Plan	Low	6-12 months
	Develop a freight plan and include a safety component	Low	6-12 months
Evaluation	Conduct before and after studies to assess effectiveness of selected strategies	Low to Medium	> 18 months

10. Measuring Progress

10.1 Evaluation

The SCRCOG RTSP evaluation process will follow the CT SHSP required adherence to the 2016 FHWA Guidance on Strategic Highway Safety Plans and the FAST Act. SCRCOG will update their safety goals based on the following questions:

- Are strategies current and relevant to ongoing data trends?
- Are strategies being incorporated into local, regional, and state projects?
- Has equity been ensured?
- Is the fatal and injury crash data aligning with the state's goal of a 15% reduction in serious and fatal injury crashes?
- Does the annual state safety reporting reflect the RTSP performance objectives?

Reporting should include information on which strategies are being implemented, what has been accomplished, the progress of performance measures, best practices, and any lessons learned.

10.2 Performance Measures

The SCRCOG will evaluate the safety trends based on the following performance measures:

- Number of fatal and serious injury crashes
 - Total crashes
 - Pedestrian and bicyclist crashes
 - Aggressive driving related crashes
- Number of fatal and serious injury crashes in disadvantaged communities

10.3 Updating the RTSP

The Regional Transportation Safety Plan is a living document congruent with the CT SHSP. Federal regulations require an update for the SHSP every five years, and this Regional Transportation Safety Plan could follow this same update process, ensuring federal compliance. The regional plan will adhere to the same mandates, with updates reflecting the most current federal surface transportation legislation.



APPENDIX A

SCRCOG Vision Zero Resolution



SOUTH CENTRAL REGIONAL COUNCIL OF GOVERNMENTS

Planning for Our Region's Future

Bethany Branford East Haven Guilford Hamden Madison Meriden Milford
New Haven North Branford North Haven Orange Wallingford West Haven Woodbridge

Carl J. Amento, Executive Director

Resolution

To a Commitment to the Goal of Zero Traffic Deaths Following the Principles of Vision Zero

- WHEREAS, crashes resulting in roadway deaths and serious injuries are preventable and not an inevitable result of the transportation system; and
- WHEREAS, the South Central Regional Council Of Governments (SCRCOG) and its member municipalities strive to create a region that provides safe mobility for all; and
- WHEREAS, a commitment to Vision Zero is a commitment to the value and life of the residents of and visitors to the South Central Planning Region; and
- WHEREAS, the State of Connecticut has created a cross-agency Vision Zero Council to examine ways to improve roadway safety throughout the State, tasked with developing a statewide Vision Zero implementation plan and presenting data and targets to the Legislature for their consideration; and
- WHEREAS, the number of fatalities and serious injuries in the region is a public health issue that must and can be addressed to ensure the wellbeing and benefit of our communities; and
- WHEREAS, Vision Zero is a data-driven strategy to eliminate all traffic fatalities and severe injuries while increasing safe, healthy, equitable mobility for all; and
- WHEREAS, improvements to roadway safety, especially for non-motorized users, aligns with the various Metropolitan Transportation Plans, Regional Safety Action Plan, and governing policies of the CT DOT;
- WHEREAS, Vision Zero uses a safe systems approach to traffic engineering that recognizes that humans make mistakes, and that transportation infrastructure should account for those mistakes; and
- WHEREAS, Vision Zero road safety goals are accomplished through a combination of engineering, education, emergency response, and enforcement measures; and
- WHEREAS, preventing crashes within the region requires a comprehensive response from all municipalities, the SCRCOG, and the CTDOT, that looks at transportation planning, design, policy, enforcement, education, and communication in order to most greatly impact the flaws within our transportation system.

Now, Therefore, Be It Resolved By the Council of Governments:



SOUTH CENTRAL REGIONAL COUNCIL OF GOVERNMENTS

Planning for Our Region's Future

Bethany Branford East Haven Guilford Hamden Madison Meriden Milford
New Haven North Branford North Haven Orange Wallingford West Haven Woodbridge

Carl J. Amento, Executive Director

Vision Zero efforts will take into account equity and ensure that the most vulnerable roadway users receive the necessary attention to ensure their safety and mobility; and that ongoing public engagement will be a critical component of development and implementation of this plan, gathering input from residents, users of the roadway system, safety advocates, and municipal staff. SCRCOG and its member municipalities commit to zero traffic deaths and serious injuries by or before the year 2060. SCRCOG will monitor the progress of traffic safety measures and implementation and continually suggest improvements in moving to accomplish the Vision Zero commitment.

The undersigned duly qualified and acting Secretary of the South Central Regional Council of Governments certifies that the foregoing is a true and correct copy of a resolution adopted at a legally convened meeting of the South Central Regional Council of Governments on **May 24, 2023**.

Date May 24, 2023

By: _____
First Selectwoman Peggy Lyons *Secretary*
South Central Regional Council of Governments

APPENDIX B

SCRCOG High Injury Network - Top 100 High Crash Roadway Segments

Rank	Primary Town	Route Number	Road Name	Start Milepost	From	End Milepost	To	Type Code	Facility Type	Segment Length	Injury Crashes	EPDO Score	Disadvantaged Community
1	New Haven	CT-10	Ella T. Grasso blvd	0.84	Frank St	1.29	Orange Ave	SR	Urban non-freeway undivided 4 or more lanes	0.45	25	2968	Yes
2	New Haven	N/A	Chapel St	1.68	Orange St	1.77	Church St	TR	Urban arterial 2 lanes	0.09	3	2189	No
3	West Haven	CT-34	Derby Ave	20.7	Elizabeth St	21.16	740 Ft North of Forrest R	SR	Urban non-freeway divided 4 or more lanes	0.46	17	2053	Yes
4	New Haven	CT-10	Ella T. Grasso blvd	0.62	Lamberton St	0.84	Frank St	SR	Urban non-freeway undivided 4 or more lanes	0.22	3	2045	Yes
5	North Branford	CT-139	Branford Rd	0.86	School Ground Rd	1.33	Enterprise Dr.	SR	Urban non-freeway undivided 2 lanes	0.47	4	1950	No
6	New Haven	CT-10	Whalley Ave	3.24	W Park Ave	3.38	Jewel St	SR	Urban non-freeway divided 4 or more lanes	0.14	6	1519	Yes
7	New Haven	CT-17	Middeltown Ave	0.26	Foxon Blvd	0.41	Barnes Ave	SR	Urban non-freeway undivided 3 lanes	0.15	3	1302	No
8	New Haven	CT-80	Foxon Blvd	0.26	Days Inn New Haven	0.57	Eastern St	SR	Urban non-freeway undivided 4 or more lanes	0.31	37	1260	Yes
9	New Haven	CT-63	Whalley Ave	0.9	W Prospect St	1.22	USPS Driveway	SR	Urban non-freeway undivided 4 or more lanes	0.32	16	1255	Yes
10	New Haven	CT-80	Foxon Blvd	0.15	800 ft East of Rt 17	0.26	Days Inn New Haven	SR	Urban non-freeway undivided 4 or more lanes	0.11	11	1193	No
11	West Haven	CT-162	Sawmill Rd	9.03	Meloy Rd	9.46	Allings Crossing Rd	SR	Urban non-freeway undivided 4 or more lanes	0.43	22	1188	No
12	Hamden	CT-10	Dixwell Ave	5.54	Putnum Ave	5.87	Lexington St	SR	Urban non-freeway undivided 4 or more lanes	0.33	27	1167	No
13	New Haven	N/A	Whalley Ave	0	Ella T Gross Blvd (CT-10)	0.26	Winthrop Ave	TR	Urban arterial 3 or more lanes	0.26	11	1115	Yes
14	Hamden	CT-10	Dixwell Ave	5.39	3rd St	5.54	Putnum Ave	SR	Urban non-freeway undivided 4 or more lanes	0.15	7	1112	No
15	West Haven	CT-162	Sawmill Rd	8.92	I-95 Ramps	9.03	Meloy Rd	SR	Urban non-freeway undivided 4 or more lanes	0.11	2	1093	Yes
16	New Haven	N/A	Daggett St	0	Washington Ave	0.18	Congress Ave	TR	Urban local oneway 2 or more lanes	0.18	3	1085	Yes
17	New Haven	N/A	Dixwell Ave	1.26	W Ivy St	1.51	Pond St	TR	Urban arterial 2 lanes	0.25	15	1085	Yes
18	East Haven	N/A	Main St	0.42	Padre Pl	0.76	Columbus Ave	TR	Urban arterial 2 lanes	0.34	11	1083	No
19 (1)	East Haven	CT-142	Hemingway Ave	0.26	Main St	0.57	Pennsylvania Ave	SR	Urban non-freeway undivided 4 or more lanes	0.31	9	1082	No
19 (2)	Orange	N/A	Marsh Hill Rd	0.42	West Campus Drive	0.82	Edison Rd	TR	Urban arterial 3 or more lanes	0.4	8	1082	No
21	New Haven	N/A	Grand Ave	0.34	Atwater St	0.64	Filmore St	TR	Urban arterial 2 lanes	0.3	14	1077	Yes
22	New Haven	N/A	Rev Dr. MLK. Jr Blvd	0.07	S Orange St	0.37	College St	TR	Urban arterial oneway 1 or more lanes	0.3	13	1075	No
23	Hamden	CT-10	Dixwell Ave	8.37	Thompson St	8.49	Evergreen Ave	SR	Urban non-freeway undivided 4 or more lanes	0.12	8	1073	No
24	New Haven	N/A	Winthrop Ave	0	Davenport Ave	0.42	Legion Ave (Rt-34)	TR	Urban arterial 2 lanes	0.42	6	1067	Yes
25 (1)	New Haven	N/A	Rev Dr. MLK. Jr Blvd	0.37	College St	0.54	York St	TR	Urban arterial oneway 1 or more lanes	0.17	4	1065	No
25 (2)	New Haven	N/A	Dixwell Ave	1.51	Pond St	1.59	Cherry Ann St	TR	Urban arterial 2 lanes	0.08	3	1065	Yes
27 (1)	New Haven	N/A	Farren Ave	0.18	Fulton St	0.42	E Ferry St	TR	Urban arterial 2 lanes	0.24	11	1057	Yes
27 (2)	New Haven	N/A	Sherman Ave/Parkway	0.25	Munson St	0.76	W Hazel St	TR	Urban arterial 3 or more lanes	0.51	8	1057	Yes
29	New Haven	CT-63	Whalley Ave	0.77	350 Ft West of Dayton St	0.9	W Prospect St	SR	Urban non-freeway undivided 4 or more lanes	0.13	2	1055	Yes
30	New Haven	US-1	Forbes Ave	48.91	I-95 Overpass	49.57	Waterfront St	SR	Urban non-freeway undivided 4 or more lanes	0.66	8	1053	Yes
31	New Haven	N/A	Grand Ave	0.3	E Pearl St	0.34	Atwater St	TR	Urban arterial 2 lanes	0.04	2	1047	Yes
32 (1)	New Haven	N/A	Whalley Ave	0.26	Winthrop Ave	0.32	Carmel St	TR	Urban arterial 3 or more lanes	0.06	3	1045	Yes
32 (2)	Meriden	CT-15	Berlin Turnpike	66.89	N Broad St (CT-5)	68.02	N Colony Rd	SR	Urban non-freeway divided 4 or more lanes	1.13	19	1045	No
32 (3)	West Haven	CT-34	Derby Ave	21.16	740 Ft North of Forrest Rd	21.48	Tryon St	SR	Urban non-freeway undivided 4 or more lanes	0.32	5	1045	Yes
35 (1)	East Haven	N/A	Main St	0.76	Columbus Ave	0.83	Hughes St	TR	Urban arterial 2 lanes	0.07	2	1043	No
35 (2)	West Haven	CT-122	Forrest Rd	1.46	Hugo St	1.94	Winfred St	SR	Urban non-freeway undivided 2 lanes	0.48	7	1043	Yes
37	New Haven	CT-10	Ella T. Grasso blvd	1.29	Orange Ave	1.95	Legion Ave (Rt-34)	SR	Urban non-freeway undivided 4 or more lanes	0.66	33	1037	Yes
38	North Haven	US-5	State St	4.86	250 ft North of Devine St	5.69	Broadway	SR	Urban non-freeway undivided 2 lanes	0.83	6	1027	No
39	Meriden	CT-71	Old Colony Rd	1.5	Gypsy Ln	2.36	Flower St	SR	Urban non-freeway undivided 2 lanes	0.86	12	1022	No
40	Hamden	N/A	Shepard Ave	2.22	Rocky Top Road	2.83	Fans Rock Rd	TR	Urban arterial 2 lanes	0.61	3	1017	No
41	West Haven	CT-122	Forrest Rd	1.94	Winfred St	2.06	Florence St	SR	Urban non-freeway undivided 2 lanes	0.12	4	1013	Yes
42	Wallingford	N/A	S. Turnpike Rd	1.34	Toelles Rd	1.78	Mansion Rd	TR	Urban arterial 2 lanes	0.44	5	1012	No
43 (1)	New Haven	N/A	Dixwell Ave	0.36	Foote St	0.67	Shelton Ave	TR	Urban arterial 2 lanes	0.31	6	1007	Yes
43 (2)	West Haven	CT-34	Derby Ave	21.48	Tryon St	21.65	Yale Ave	SR	Urban non-freeway undivided 4 or more lanes	0.17	3	1007	Yes
43 (3)	Milford	SR-737	E Broadway	0.55	Surf Ave	0.79	Seaside Ave	SR	Urban non-freeway undivided 2 lanes	0.24	2	1007	No
46	New Haven	N/A	Middeltown Ave	0	Edward B. Grant Way	0.55	Fawn St	TR	Urban arterial 2 lanes	0.55	12	1005	No
47	New Haven	US-1	Water St	46.89	Downes St	47.31	Washington Ave	SR	Urban non-freeway undivided 2 lanes	0.42	5	997	Yes
48	Bethany	CT-69	New Haven Road	8.95	Cheshire Road (CT-42)	9.42	Cook Rd	SR	Urban non-freeway undivided 2 lanes	0.47	5	993	No
49 (1)	Milford	SR-708	Old Gate Ln	0	I-95 NB Off-Ramp	0.22	450 ft. South of Woodmo	SR	Urban non-freeway undivided 4 or more lanes	0.22	4	987	No
49 (2)	Orange	CT-34	Derby Ave	16.58	Grassy Hill Rd	17.11	Baldwin Rd	SR	Urban non-freeway divided 4 or more lanes	0.53	11	987	No
49 (3)	New Haven	CT-17	Middeltown Ave	0.83	Cross St	1.17	Cranston St	SR	Urban non-freeway undivided 2 lanes	0.34	6	987	No
52 (1)	Wallingford	CT-68	Barnes Rd	15.79	Barnes Rd	15.99	N Farms Rd	SR	Urban non-freeway divided 4 or more lanes	0.2	3	985	No

Rank	Primary Town	Route Number	Road Name	Start Milepost	From	End Milepost	To	Type Code	Facility Type	Segment Length	Injury Crashes	EPDO Score	Disadvantaged Community
52 (2)	Bethany	CT-63	Amity Rd	10.45	Toll Gate Rd	10.83	Little Beacon	SR	Urban non-freeway undivided 2 lanes	0.38	3	985	No
52 (3)	North Branford	CT-80	Foxon Blvd	7.65	White Wood Ln	7.96	Stout Rd	SR	Urban non-freeway undivided 2 lanes	0.31	3	985	No
52 (4)	Milford	N/A	Old Gate Ln	0.05	Old Gate Ln	0.8	I-95 NB Off-Ramp	TR	Urban arterial 2 lanes	0.75	8	985	No
56 (1)	New Haven	N/A	Chapel St	3.14	Ellsworth Ave	3.61	Yale Ave	TR	Urban collector 2 lanes	0.47	3	977	No
56 (2)	Meriden	N/A	N Wall St	0	Wall St	0.65	Westfield Rd	TR	Urban collector 2 lanes	0.65	4	977	No
56 (3)	New Haven	CT-17	Middeltown Ave	0.69	Ellis St	0.83	Cross St	SR	Urban non-freeway undivided 2 lanes	0.14	1	977	No
59 (1)	North Haven	SR-707	Whitney Ave	2.88	Hartley St	3.09	Buell St	SR	Urban non-freeway undivided 4 or more lanes	0.21	3	975	No
59 (2)	Woodbridge	CT-243	Ansonia Rd	3.59	Mihaven Rd	3.96	Tumbelbrook Rd	SR	Urban non-freeway undivided 2 lanes	0.37	3	975	No
59 (3)	New Haven	CT-243	Fountain St	5.82	Maplewood Rd	6.17	Vista Ter	SR	Urban non-freeway undivided 2 lanes	0.35	2	975	Yes
59 (4)	North Branford	N/A	Totoket Rd	1.82	Mill Rd	3.3	Augur Rd Ext	TR	Urban collector 2 lanes	1.48	2	975	No
59 (5)	Hamden	US-5	State St	3.29	Olds St	3.71	Skiff St	SR	Urban non-freeway undivided 2 lanes	0.42	6	975	No
59 (6)	North Branford	CT-17	Middeltown Ave	7.06	Clintonville Rd	7.95	Maltby Ln	SR	Urban non-freeway undivided 2 lanes	0.89	6	975	No
59 (7)	Hamden	SR-707	Whitney Ave	3.09	Buell St	3.43	Millbrook Rd	SR	Urban non-freeway undivided 4 or more lanes	0.34	7	975	No
66 (1)	Milford	US-1	Boston Post Rd	37.58	West Ave	37.96	Clark St	SR	Urban non-freeway undivided 4 or more lanes	0.38	4	967	No
66 (2)	New Haven	N/A	Peck St	0	Ferry St	0.26	Clinton Ave	TR	Urban local oneway 2 or more lanes	0.26	2	967	Yes
66 (3)	Hamden	US-5	State St	3.08	Daniel Rd	3.29	Olds St	SR	Urban non-freeway undivided 2 lanes	0.21	2	967	No
66 (4)	Hamden	US-5	State St	2.23	Fernwood Rd	2.62	Foote St	SR	Urban non-freeway undivided 2 lanes	0.39	2	967	No
66 (5)	New Haven	N/A	Chapel St	2.95	Winthrop Ave	3.14	Ellsworth Ave	TR	Urban collector 2 lanes	0.19	2	967	Yes
66 (6)	Meriden	N/A	Oregon Rd	0	River Rd	1.01	Brownstone Rd	TR	Urban collector 2 lanes	1.01	5	967	No
66 (7)	Woodbridge	CT-69	Litchfield Tpk	3.05	Dillon Rd	4.21	Morris Rd	SR	Urban non-freeway undivided 2 lanes	1.16	4	967	No
66 (8)	Wallingford	CT-71	Old Colony Rd	0.32	S Broad St	0.86	Atwater St	SR	Urban non-freeway undivided 2 lanes	0.54	4	967	No
74 (1)	Hamden	N/A	Shepard Ave	1.13	Sherman Ave	1.82	W Shepard Ave	TR	Urban arterial 2 lanes	0.69	4	957	No
74 (2)	North Branford	CT-22	Forrest Rd	9.09	Neubigs Way	9.96	Old Forest Rd	SR	Urban non-freeway undivided 2 lanes	0.87	5	957	No
74 (3)	Bethany	CT-63	Amity Rd	6.75	Look Hill Road	7.7	Peck Rd	SR	Rural non-freeway undivided 2 or more lanes	0.95	3	957	No
74 (4)	North Haven	CT-22	Clintonville Rd	2.77	Woodside Dr	3.02	Centerbrook Rd	SR	Urban non-freeway undivided 2 lanes	0.25	1	957	No
74 (5)	Madison	CT-79	Durham Rd	7.46	Hathaway Rd	9.53	Cross Rd	SR	Rural non-freeway undivided 2 or more lanes	2.07	2	957	No
74 (6)	Bethany	N/A	Pole Hill Rd	0.16	Schaffer Rd	1.26	Falls Rd	TR	Rural local 1 or more lanes	1.1	1	957	No
74 (7)	Bethany	N/A	Downs Rd	1.55	Carmel Rd	2.18	Hoadley Rd	TR	Rural local 1 or more lanes	0.63	1	957	No
74 (8)	East Haven	CT-80	Foxon Rd	2.37	N High St	2.59	Mountain View Ter	SR	Urban non-freeway undivided 2 lanes	0.22	1	957	No
74 (9)	Meriden	N/A	Reserch Parkway	1.11	Pond View Dr	1.55	Corporate Ct	TR	Urban arterial 2 lanes	0.44	2	957	No
74 (10)	Milford	N/A	Herbert St	0	Wheelers Farm Rd	0.46	Newton St	TR	Urban local 2 lanes	0.46	1	957	No
74 (11)	New Haven	N/A	Lexington Ave	0	Russell St	0.34	Revere St	TR	Urban local 2 lanes	0.34	2	957	No
85	Hamden	CT-10	Dixwell Ave	5.06	Dunkin Driveway	5.39	3rd St	SR	Urban non-freeway undivided 4 or more lanes	0.33	25	337	No
86	West Haven	US-1	Boston Post Rd	45	Peabody St	45.35	SmyrnaSt	SR	Urban non-freeway undivided 4 or more lanes	0.35	16	283	No
87	New Haven	US-5	State St	0.17	Willow St	0.74	Lyman St	SR	Urban non-freeway undivided 2 lanes	0.57	28	268	Yes
88 (1)	Hamden	CT-10	Dixwell Ave	4.99	Arch St	5.06	Dunkin Driveway	SR	Urban non-freeway undivided 3 lanes	0.07	6	267	No
88 (2)	New Haven	N/A	Whalley Ave	0.5	Country St	0.76	Sperry St	TR	Urban arterial 3 or more lanes	0.26	16	267	Yes
90	West Haven	CT-162	Sawmill Rd	8.78	Exxon Driveway	8.81	Storage Driveway	SR	Urban non-freeway undivided 3 lanes	0.03	3	256	Yes
91	New Haven	CT-80	Foxon Blvd	0.11	1000 ft East of Rt 17	0.15	800 ft East of Rt 17	SR	Urban non-freeway undivided 4 or more lanes	0.04	5	247	No
92	West Haven	CT-122	1st Ave	0.32	Alling St Ext.	0.58	Ruden St	SR	Urban non-freeway undivided 3 lanes	0.26	15	244	No
93	New Haven	CT-80	Foxon Blvd	0.57	Eastern St	0.73	Old Foxon Rd	SR	Urban non-freeway undivided 4 or more lanes	0.16	1	237	Yes
94	West Haven	US-1	Boston Post Rd	46.26	Front Ave	46.64	Ella T Grasso Blvd	SR	Urban non-freeway undivided 4 or more lanes	0.38	23	233	Yes
95	Hamden	CT-10	Dixwell Ave	7.01	Rt-15 Ramps	7.71	Skiff St	SR	Urban non-freeway undivided 4 or more lanes	0.7	41	232	No
96	Orange	US-1	Boston Post Rd	43.58	Lindy St	43.93	Bull Hill Ln	SR	Urban non-freeway undivided 4 or more lanes	0.35	13	225	No
97	New Haven	N/A	Whalley Ave	0.76	Sperry St	0.86	Dwight St	TR	Urban arterial 3 or more lanes	0.1	4	220	Yes
98	New Haven	US-5	State St	0.04	James St	0.17	Willow St/Blatchley Ave	SR	Urban non-freeway undivided 2 lanes	0.13	3	218	Yes
99	Hamden	CT-10	Dixwell Ave	5.87	Lexington St	6.22	Pershing St	SR	Urban non-freeway undivided 4 or more lanes	0.35	21	215	No
100	New Haven	SR-745	Kimberly Ave	1.03	I-95	1.21	Ella T Grasso Blvd	SR	Urban non-freeway undivided 2 lanes	0.18	12	214	Yes

APPENDIX C

SCRCOG High Injury Network - Top 100 High Crash Intersections

Rank	Primary Town	Road Number 1	Road Name 1	Road Number 2	Road Name 2	Facility Type	Signalized	Injury Crashes	EPDO Score	Disadvantaged Community?
1	New Haven	CT-63	Whalley Ave	-	E Ramsdell St	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	17	422.33	Yes
2	New Haven	CT-10	Ella T Graso Blvd	SR-745	Kimberly Ave	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	32	284.67	Yes
3	New Haven	CT-10	Ella T Graso Blvd	-	Lamberton St	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	8	216.67	Yes
4	Milford	US-1	Boston Post Rd	CT-162	Bridgeport Ave	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	4	215.00	No
5	North Haven	US-5	Washington Ave	-	Franklin St.	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	6	211.00	No
6	West Haven	US-1	Boston Post Rd	-	Front Ave.	Urban Multi-Lane 3-Leg Signalized Intersections	Yes	7	206.67	No
7	Orange	CT-34	Derby Ave	-	Mapledale Rd.	Urban Multi-Lane 3-Leg Sign Controlled Intersections	No	3	205.00	No
8	Hamden	CT-10	Dixwell Ave	-	4th St./Woodin St.	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	7	203.33	No
9 (1)	Hamden	CT-10	Dixwell Ave	-	Collins St.	Urban Multi-Lane 3-Leg Sign Controlled Intersections	No	4	202.33	No
9 (2)	East Haven	CT-142	Hemingway Ave	-	Tyler St.	Urban Multi-Lane 4-Leg Sign Controlled Intersections	No	4	202.33	No
11	Hamden	CT-10	Dixwell Ave	-	Saint James St.	Urban Multi-Lane 3-Leg Sign Controlled Intersections	No	3	197.00	No
12	Guilford	CT-80	Killingworth Rd.	-	S Hoop Pole Rd.	Urban 2-Lane 4-Leg Sign Controlled Intersections	No	2	193.33	No
13 (1)	Woodbridge	CT-63	Amity Rd	-	Landin St.	Urban 2-Lane 3-Leg Sign Controlled Intersections	No	1	191.33	No
13 (2)	North Branford	CT-80	Foxon Rd	-	Sea Hill Rd.	Urban 2-Lane 3-Leg Sign Controlled Intersections	No	1	191.33	No
15	New Haven	CT-80	Foxon Blvd.	CT-103	Quinnipiac Ave.	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	41	104.67	No
16	New Haven	CT-10	Ella T Graso Blvd	US-1	Boston Post Rd/Columbus Ave	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	29	74.67	Yes
17	New Haven	US-1	Forbes Ave.	-	Fulton St.	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	16	61.00	Yes
18	West Haven	CT-122	1st Ave.	-	Campbell Ave.	Urban Multi-Lane 3-Leg Signalized Intersections	Yes	15	57.67	No
19	New Haven	CT-10	Ella T Graso Blvd	-	Washington Ave.	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	19	54.33	Yes
20 (1)	New Haven	CT-10	Ella T Graso Blvd	CT-34	Derby Ave	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	25	51.67	Yes
20 (2)	West Haven	CT-34	Derby Ave	CT-122	Forrest Rd.	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	20	51.67	Yes
22	Orange	CT-34	Derby Ave	CT-114	Racebrook Rd.	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	19	51.33	No
23	New Haven	CT-80	Foxon Blvd.	-	Easton St.	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	20	49.67	Yes
24 (1)	New Haven	US-1	Forbes Ave.	-	Townsend Ave	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	19	49.33	Yes
24 (2)	New Haven	CT-10	Ella T Graso Blvd	-	Whalley Ave	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	14	49.33	Yes
26	New Haven	US-1	Columbus Ave.	-	Thorn St.	Urban 2-Lane 4-Leg Signalized Intersections	Yes	13	48.67	Yes
27	North Haven	US-5	State St.	-	Sackett Point Rd.	Urban 2-Lane 4-Leg Signalized Intersections	Yes	13	47.33	No
28	New Haven	CT-10	Ella T Graso Blvd	-	Adeline St.	Urban Multi-Lane 3-Leg Sign Controlled Intersections	No	17	47.00	Yes
29	Milford	US-1	Boston Post Rd	-	Cedarhurst Ln.	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	18	44.33	No
30	North Haven	US-5	Washington Ave	CT-22	Clintonville Rd.	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	13	44.00	No
31	New Haven	US-1	Columbus Ave.	-	Howard Ave.	Urban 2-Lane 4-Leg Signalized Intersections	Yes	15	43.00	Yes
32	New Haven	US-5	State St.	-	Willow St./Blatchley Ave.	Urban 2-Lane 4-Leg Signalized Intersections	Yes	16	41.67	Yes
33	New Haven	CT-63	Whalley Ave	CT-10	Fitch St.	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	10	41.33	Yes
34	New Haven	US-1	Forbes Ave./Water St.	-	East St./Long Wharf Dr.	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	14	41.00	Yes
35	Wallingford	US-5	S/N Colony St.	CT-150	Quinnipiac St.	Urban 2-Lane 4-Leg Signalized Intersections	Yes	12	40.33	No
36 (1)	New Haven	CT-10	Ella T Graso Blvd	CT 34	Legion Ave	Urban Multi-Lane 3-Leg Signalized Intersections	Yes	15	39.67	Yes
36 (2)	New Haven	US-1	Columbus Ave.	-	Church Street S.	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	11	39.67	Yes
38	Milford	US-1	Boston Post Rd	CT-121	North St.	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	10	39.33	No
39 (1)	Wallingford	CT-68	Barnes Rd.	-	N Main St. Ext.	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	15	38.33	No
39 (2)	New Haven	CT-10	Ella T Graso Blvd	-	Chapel St.	Urban 2-Lane 4-Leg Signalized Intersections	Yes	18	38.33	Yes
39 (3)	West Haven	SR-745	1st Ave.	-	Elm St.	Urban 2-Lane 4-Leg Signalized Intersections	Yes	11	38.33	Yes
42	West Haven	CT-122	Campbell Ave.	-	Ruden St.	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	10	38.00	No
43	New Haven	CT-122	Forrest Rd.	-	Edgewood Ave.	Urban 2-Lane 4-Leg Signalized Intersections	Yes	14	36.00	No
44	Branford	US-1	W Main St.	CT-142	Short Beach Rd.	Urban Multi-Lane 3-Leg Signalized Intersections	Yes	5	35.67	No
45	Wallingford	US-5	N Colony Rd.	-	Yale Ave.	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	10	34.67	No
46	Meriden	CT-71	Old Colony Rd.	-	Hall Ave.	Urban 2-Lane 3-Leg Signalized Intersections	Yes	5	34.00	No
47	New Haven	CT-10	Ella T Graso Blvd	-	Elm St.	Urban 2-Lane 4-Leg Signalized Intersections	Yes	9	33.00	Yes
48	North Haven	CT-17	Middletown Ave.	-	Rimmon Rd.	Urban 2-Lane 4-Leg Sign Controlled Intersections	No	9	32.67	No
49	West Haven	CT-162	Sawmill Rd.	-	Greta St./Voss Rd.	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	12	32.33	Yes
50	West Haven	US-1	Boston Post Rd	-	Fairfax St.	Urban Multi-Lane 3-Leg Signalized Intersections	Yes	11	32.00	Yes
51 (1)	New Haven	SR-741/CT-337	Townsend AVE	-	Main St Annex	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	15	31.67	Yes
51 (2)	Orange	US-1	Boston Post Rd	CT-114	Racebrook Rd.	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	11	31.67	No
51 (3)	Meriden	CT-71	W Main St.	-	Lewis Ave/Linsley Ave	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	11	31.67	Yes
51 (4)	Wallingford	CT-68	Barnes Rd.	-	N Farms Rd	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	7	31.67	No

Rank	Primary Town	Road Number 1	Road Name 1	Road Number 2	Road Name 2	Facility Type	Signalized	Injury Crashes	EPDO Score	Disadvantaged Community?
55	Orange	CT-34	Derby Ave	-	Dogwood Rd	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	10	31.33	No
56	West Haven	US-1	Boston Post Rd	CT-122	Forrest Rd/Campbell Ave	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	12	30.67	Yes
57 (1)	Meriden	CT-71	W Main St.	-	N 3rd St/Windsor Ave	Urban 2-Lane 4-Leg Signalized Intersections	Yes	11	30.00	Yes
57 (2)	Branford	US-1	E Main St	-	School Ground Rd	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	7	30.00	No
59	North Haven	CT-22	Bishop St	SR-725	Hartford Tpke	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	9	29.67	No
60 (1)	West Haven	CT-122	Forrest Rd	-	David St	Urban 2-Lane 4-Leg Sign Controlled Intersections	No	9	29.33	Yes
60 (2)	Orange	CT-34	Derby Ave	CT-152	Orange Center Rd	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	9	29.33	No
60 (3)	Milford	US-1	Broidgeport Ave	-	Rivercliff Rd	Urban Multi-Lane 3-Leg Signalized Intersections	Yes	5	29.33	No
63 (1)	Orange	US-1	Boston Post Rd	-	S Lambert Rd	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	12	29.00	No
63 (2)	North Haven	SR-717	Dixwell Ave	-	Hartford Tpke	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	12	29.00	No
65 (1)	West Haven	CT-122	1st Ave.	-	Spring St	Urban 2-Lane 4-Leg Signalized Intersections	Yes	10	28.33	No
65 (2)	Woodbridge	CT-313	Rimmon Rd	-	Johnson Rd	Urban 2-Lane 4-Leg Sign Controlled Intersections	No	6	28.33	No
67 (1)	New Haven	CT-10	Ella T Graso Blvd	-	Edgewood Ave.	Urban 2-Lane 4-Leg Signalized Intersections	Yes	14	27.67	Yes
67 (2)	Milford	US-1	Boston Post Rd	-	Locust St	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	9	27.67	No
69 (1)	West Haven	CT-34	Derby Ave	-	Elizabeth St	Urban Multi-Lane 3-Leg Sign Controlled Intersections	No	8	27.33	Yes
69 (2)	New Haven	US-1	Water St	US-5	State St.	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	8	27.33	No
71	Orange	CT-34	Boston Post Rd	CT-121	Grassy Hill Rd	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	11	27.00	No
72	Meriden	US-5	S Broad St.	-	Green Rd/Gypsy Ln	Urban 2-Lane 4-Leg Signalized Intersections	Yes	5	26.00	No
73 (1)	Branford	SR-740	Cedar St	US-1	N Main St.	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	12	25.67	No
73 (2)	East Haven	SR-735	Kimberly Ave	-	Forbes Pl.	Urban 2-Lane 4-Leg Sign Controlled Intersections	No	8	25.67	No
73 (3)	Meriden	CT-71	W Main St.	-	N 2nd St.	Urban 2-Lane 4-Leg Sign Controlled Intersections	No	4	25.67	No
76 (1)	New Haven	CT-63	Whalley Ave	CT-122	Dayton St	Urban Multi-Lane 3-Leg Signalized Intersections	Yes	11	25.33	Yes
76 (2)	Branford	US-1	W Main St.	SR-794	Branford Conn	Urban Multi-Lane 3-Leg Signalized Intersections	Yes	7	25.33	No
76 (3)	Wallingford	CT-68	Barnes Rd.	-	Northrop Rd	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	7	25.33	No
79 (1)	Milford	US-1	Boston Post Rd	-	W Main St/Plains Rd	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	10	25.00	No
79 (2)	Branford	US-1	N Main St.	-	Ivy St.	Urban 2-Lane 4-Leg Signalized Intersections	Yes	6	25.00	No
81 (1)	West Haven	US-1	Boston Post Rd	-	Meloy Rd	Urban Multi-Lane 3-Leg Signalized Intersections	Yes	9	24.67	No
81 (2)	Wallingford	SR-702	Wharton Brook Conn	US-5	S Colony Rd	Urban 2-Lane 4-Leg Signalized Intersections	Yes	9	24.67	No
83	Hamden	CT-10	Dixwell Ave	-	Connolly Pkwy	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	8	24.33	No
84	New Haven	CT-10	Ella T Graso Blvd	SR-706	N Frontage Rd	Urban Multi-Lane 3-Leg Signalized Intersections	Yes	8	24.00	Yes
85 (1)	New Haven	CT-17	Middeltown Ave	-	Barnes Ave	Urban Multi-Lane 3-Leg Signalized Intersections	Yes	11	23.67	No
85 (2)	Hamden	CT-10	Arch St	-	Fairview Ave/Fitch St	Urban 2-Lane 4-Leg Signalized Intersections	Yes	7	23.67	No
85 (3)	Meriden	US-5	Broad St	-	Charles St	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	7	23.67	Yes
88 (1)	North Haven	CT-22	Bishop St	US-5	State St.	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	10	23.33	No
88 (2)	New Haven	CT-122	Forrest Rd/Dayton St	CT-243	Fountain St	Urban 2-Lane 4-Leg Signalized Intersections	Yes	10	23.33	Yes
88 (3)	Hamden	-	Arch St/Morse St	CT-10	Dixwell Ave	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	6	23.33	No
91 (1)	New Haven	CT-10	Ella T Graso Blvd	-	Judson Ave	Urban Multi-Lane 3-Leg Sign Controlled Intersections	No	9	23.00	Yes
91 (2)	Orange	CT-152	Orange Center Rd	-	Old Grassy Hill Rd	Urban 2-Lane 3-Leg Sign Controlled Intersections	No	5	23.00	No
93	New Haven	CT-10	Ella T Graso Blvd	-	Frank St.	Urban Multi-Lane 3-Leg Sign Controlled Intersections	No	7	22.00	Yes
94 (1)	Hamden	CT-10	Dixwell Ave	-	Skiff St	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	8	22.67	No
94 (2)	West Haven	CT-34	Derby Ave	-	Central Ave	Urban Multi-Lane 3-Leg Signalized Intersections	Yes	8	22.67	Yes
96 (1)	New Haven	US-5	State St.	-	Ferry St	Urban 2-Lane 4-Leg Signalized Intersections	Yes	11	22.00	Yes
96 (2)	New Haven	CT-63	Whalley Ave	-	W Rock Ave	Urban Multi-Lane 4-Leg Signalized Intersections	Yes	7	22.00	No
98 (1)	Hamden	SR-707	Whitney Ave	-	Eli Rd	Urban Multi-Lane 3-Leg Sign Controlled Intersections	No	6	21.67	No
98 (2)	Woodbridge	CT-69	Litchfield Trpk	-	Bradley Rd	Urban 2-Lane 4-Leg Signalized Intersections	Yes	6	21.67	No
100	Madison	CT-79	Durham Rd	-	Green Hill Rd	Urban 2-Lane 4-Leg Signalized Intersections	Yes	5	21.00	No

APPENDIX D

SCRCOG High Injury Network - Top 40 Pedestrian and Bicycle Crash Locations

Rank	Type	Primary Town	Route Number	Road Name	Start Milepost	From	End Milepost	To	Type Code	Facility Type	Injury Crashes	EPDO Score	Disadvantaged Community
1	Corridor	New Haven	CT-10	Ella T. Grasso blv	0.84	Frank St	1.29	Comunbus Ave	SR	Urban non-freeway undivided 4 or more lanes	7	2938	Yes
2	Corridor	New Haven	N/A	Chapel St	1.68	Orange St	1.77	Church St	TR	Urban arterial 2 lanes	2	2167	No
3 (1)	Corridor	New Haven	CT-10	Ella T. Grasso blv	0.62	Lamberton St	0.84	Frank St	SR	Urban non-freeway undivided 4 or more lanes	1	1913	Yes
3 (2)	Corridor	West Haven	CT-34	Derby Ave	20.7	Elizabeth St	21.16	740 Ft North of Fori	SR	Urban non-freeway divided 4 or more lanes	2	1913	Yes
5	Corridor	New Haven	CT-17	Middeltown Ave	0.26	Foxon Blvd	0.41	Barnes Ave	SR	Urban non-freeway undivided 3 lanes	1	1276	No
6	Corridor	New Haven	N/A	Daggett St	0	Washington Ave	0.18	Congress Ave	TR	Urban local oneway 2 or more lanes	1	1063	Yes
7	Corridor	New Haven	CT-63	Whalley Ave	0.9	W Prospect St	1.22	USPS Driveway	SR	Urban non-freeway undivided 4 or more lanes	3	1057	Yes
8	Corridor	West Haven	CT-162	Sawmill Rd	8.92	I-95 SB On and Off Rar	9.21	I-95 NB On and Off	SR	Urban non-freeway undivided 4 or more lanes	3	1025	Yes
9 (1)	Corridor	New Haven	N/A	Grand Ave	0.34	Atwater St	0.64	Filmore St	TR	Urban arterial 2 lanes	3	1017	Yes
9 (2)	Corridor	West Haven	CT-162	Sawmill Rd	9.21	I-95 NB On and Off Rai	9.46	Allings Crossing Rd	SR	Urban non-freeway undivided 4 or more lanes	1	1017	No
11 (1)	Corridor	New Haven	CT-80	Foxon Blvd	0.15	800 ft East of Rt 17	0.57	Eastern St	SR	Urban non-freeway undivided 4 or more lanes	2	1007	Yes
11 (2)	Corridor	New Haven	N/A	Whalley Ave	0	Ella T Gross Blvd (CT-1	0.32	Carmel St	TR	Urban arterial 3 or more lanes	2	1007	Yes
11 (3)	Corridor	West Haven	CT-122	Forrest Rd	1.46	Hugo St	1.94	Winfred St	SR	Urban non-freeway undivided 2 lanes	2	1007	Yes
14	Corridor	New Haven	N/A	Farren Ave	0.18	Fulton St	0.42	E Ferry St	TR	Urban arterial 2 lanes	3	977	Yes
15	Corridor	Hamden	CT-10	Dixwell Ave	5.54	Putnum Ave	5.87	Lexington St	SR	Urban non-freeway undivided 4 or more lanes	3	975	No
16 (1)	Corridor	Hamden	CT-10	Dixwell Ave	5.39	3rd St	5.54	Putnum Ave	SR	Urban non-freeway undivided 4 or more lanes	2	967	No
16 (2)	Corridor	New Haven	N/A	Chapel St	2.95	Winthrop Ave	3.23	CT-10	TR	Urban collector 2 lanes	2	967	Yes
16 (3)	Corridor	New Haven	N/A	Dixwell Ave	0.36	Foote St	0.67	Shelton Ave	TR	Urban arterial 2 lanes	2	967	Yes
19 (1)	Corridor	New Haven	CT-10	Ella T. Grasso blv	1.29	Orange Ave	1.95	Legion Ave (Rt-34)	SR	Urban non-freeway undivided 4 or more lanes	3	957	Yes
19 (2)	Corridor	East Haven	N/A	Main St	0.42	Padre Pl	0.83	Hughes St	TR	Urban arterial 2 lanes	1	957	No
19 (3)	Corridor	New Haven	CT-17	Middeltown Ave	0.69	Ellis St	1.17	Cranston St	SR	Urban non-freeway undivided 2 lanes	2	957	No
19 (4)	Corridor	Meriden	CT-71	Old Colony Rd	1.5	Gypsy Ln	2.36	Flower St	SR	Urban non-freeway undivided 2 lanes	2	957	No
23 (1)	Corridor	Milford	N/A	Herbert St	0.0	Wheelers farms Rd	0.5	Hollis Dr	TR	Urban local 2 lanes	1	957	No
23 (2)	Corridor	New Haven	US-1	Water St	46.89	Downes St	47.31	Washington Ave	SR	Urban non-freeway undivided 2 lanes	1	957	Yes
23 (3)	Corridor	Bethany	N/A	Pole Hill Rd	0.16	Schaffer Rd	1.26	Falls Rd	TR	Rural local 1 or more lanes	1	957	No
23 (4)	Corridor	Milford	US-1	Boston Post Rd	37.58	West Ave	37.96	Clark St	SR	Urban non-freeway undivided 4 or more lanes	1	957	No
23 (5)	Corridor	Orange	CT-34	Derby Ave	16.58	Grassy Hill Rd	17.11	Baldwin Rd	SR	Urban non-freeway divided 4 or more lanes	1	957	No
23 (6)	Corridor	Meriden	CT-15	Berlin Turnpike	66.89	N Broad St (CT-5)	68.02	N Colony Rd	SR	Urban non-freeway divided 4 or more lanes	2	957	No
23 (7)	Corridor	Wallingford	N/A	S. Turnpike Rd	1.34	Toelles Rd	1.78	Mansion Rd	TR	Urban arterial 2 lanes	1	957	No
23 (8)	Corridor	Bethany	CT-63	Amity Rd	10.45	Toll Gate Rd	10.83	Little Beacon	SR	Urban non-freeway undivided 2 lanes	1	957	No
23 (9)	Corridor	North Branford	CT-139	Branford Rd	0.86	School Ground Rd	1.33	Enterprise Dr.	SR	Urban non-freeway undivided 2 lanes	1	957	No
32 (1)	Intersection	New Haven	CT-63	Whalley Ave	-	Ramsdell St	-	-	-	- Urban Multi-Lane 4-Leg Signalized Intersections	2	193	Yes
32 (2)	Intersection	New Haven	CT-10	Ella T. Grasso blv	-	Lamberton St	-	-	-	- Urban Multi-Lane 4-Leg Signalized Intersections	2	193	Yes
34 (1)	Intersection	Hamden	CT-10	Dixwell Ave	-	Saint James St.	-	-	-	- Urban Multi-Lane 3-Leg Sign Controlled Intersections	1	191	No
34 (2)	Intersection	West Haven	US-1	Boston Post Rd	-	Front Ave.	-	-	-	- Urban Multi-Lane 3-Leg Signalized Intersections	1	191	Yes
34 (3)	Intersection	Hamden	CT-10	Dixwell Ave	-	Collins St.	-	-	-	- Urban Multi-Lane 3-Leg Sign Controlled Intersections	1	191	No
37	Corridor	New Haven	US-5	State St	0.04	James St	0.74	Lyman St	SR	Urban non-freeway undivided 2 lanes	4	150	Yes
38	Corridor	New Haven	N/A	Chapel St	1.58	State St	1.68	Orange St	TR	Urban arterial 3 or more lanes	2	137	No
39	Corridor	Hamden	CT-10	Dixwell Ave	5.06	Dunkin Driveway	5.39	3rd St	SR	Urban non-freeway undivided 4 or more lanes	5	128	No
40	Corridor	Meriden	N/A	Center St	0.65	I-691 On-Ramp	0.73	I-691 Off Ramp	TR	Urban local 2 lanes	1	125	Yes

Memo

To: Office of the State Traffic Administration (OSTA)

From:

Cc

Date: 12/10/2025

Re: Safety Planning Requirements Under CGS 14-307c**

Purpose of This Justification Memo

This memo explains why the South Central Regional Council of Governments (SCRCOG) Safety Action Plan (July 2023) satisfies OSTA's requirement for a:

- Comprehensive Safety Action Plan
- Regional Transportation Safety Plan
- Vision Zero Action Plan

as required by the Connecticut Automated Traffic Safety Enforcement Device (ATSED) program.

The SCRCOG Safety Action Plan (2023) satisfies OSTA's requirement for a Comprehensive Safety Action Plan, Regional Transportation Safety Plan, or Vision Zero Action Plan for the following reasons:

1. Regional Adoption:

SCRCOG is the officially recognized regional safety authority for its 15 municipalities. Because Connecticut does not have county government, COGs function as county-equivalent planning bodies. The SCRCOG Safety Action Plan is the formal safety plan for the region, including North Haven.

2. Vision Zero Framework:

SCRCOG's Policy Board adopted a Vision Zero resolution in 2023, providing a Safe Systems framework applicable to all member towns. Most Connecticut municipalities do not maintain their own standalone Vision Zero or safety action plans, and the state expects towns to rely on their COG's regional plan.

3. **Data-Driven Crash Analysis:**

The plan uses current 2017–2021 crash data, CRSMS analytics, and identifies the region’s high-injury network, meeting CTDOT and federal expectations for systemic, data-driven safety planning.

4. **Alignment with CTDOT:**

SCRCOG’s plan explicitly aligns its recommended strategies with Connecticut’s Strategic Highway Safety Plan and the Active Transportation Plan, satisfying OSTA’s requirement for statewide consistency.

5. **Equity and Vulnerable Users:**

The plan incorporates CEJST-based equity review and documents elevated risks to pedestrians and bicyclists, supporting ATSED as a proven countermeasure.

6. **North Haven Participation:**

North Haven’s Town Engineer participated in the development of the regional safety plan, affirming the town’s connection to and reliance on SCRCOG’s regional safety framework.

Conclusion:

The SCRCOG Safety Action Plan fully satisfies OSTA’s safety-planning requirement for North Haven’s ATSED application and functions as the town’s Comprehensive / Regional Safety Action Plan for this purpose.

TOWN OF NORTH HAVEN ATESD

PROGRAM REFERENCES

1. Plan Identification & Purpose

Source: South Central Regional Council of Governments (SCRCOG), 2023, p. 8.

“SCRCOG has developed this Safety Action Plan... updating the 2017 Regional Transportation Safety Plan by analyzing 2017–2021 crash data and identifying countermeasures to improve safety at high-crash corridors and intersections.”
(SCRCOG, 2023, p. 8)

Relevance to North Haven:

This establishes the SCRCOG Safety Action Plan as the current regional safety plan that applies to all 15 member towns, including North Haven.

2. Vision Zero Commitment

Source: SCRCOG, 2023, pp. 26–27.

“In May 2023, SCRCOG’s Policy Board approved a Vision Zero resolution... representing the region’s commitment to reducing fatal and serious injury crashes through systemic, proven measures and the Safe Systems approach.” (SCRCOG, 2023, pp. 26–27)

Relevance to North Haven:

The region’s Vision Zero adoption functions as a regional Vision Zero policy framework for North Haven.

3. Alignment with CTDOT Statewide Plans

Source: SCRCOG, 2023, p. 21.

“The strategies and recommendations in this plan are aligned with statewide planning efforts, including the Connecticut Strategic Highway Safety Plan and the Connecticut Active Transportation Plan.” (SCRCOG, 2023, p. 21)

Relevance to North Haven:

State-plan alignment satisfies OSTA’s expectation that local or regional safety plans connect back to statewide safety policy.

4. Crash Analysis & High-Injury Network Identification

Source: SCRCOG, 2023, pp. 30–35.

“This action plan uses robust data-driven methodology... utilizing the Connecticut Roadway Safety Management System (CRSMS) to identify the region’s top high-injury roadway segments and intersections.” (SCRCOG, 2023, pp. 30–35)

Relevance to North Haven:

High-injury network methodologies support ATESD location justification and demonstrate a data-driven process.

5. Equity & Vulnerable Road Users

Source: SCRCOG, 2023, pp. 12–13, 19–20, 38–40.

“The plan incorporates equity using the Climate and Economic Justice Screening Tool... Pedestrian and bicycle crashes, while a smaller share of total crashes, result in a disproportionately high share of fatal injuries.” (SCRCOG, 2023, pp. 12–13, 19–20, 38–40)

Relevance to North Haven:

This satisfies equity and vulnerable-road-user expectations embedded in OSTA’s safety criteria.

6. North Haven Participation

Source: SCRCOG, 2023, p. 7.

“North Haven – Andrew Bevilacqua, Town Engineer (Transportation Committee and Task Force Member).” (SCRCOG, 2023, p. 7)

Relevance to North Haven:

Direct municipal participation links the town to the regional safety planning process.



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)
MUNICIPAL SELF-CERTIFICATION

I, THE UNDERSIGNED Michael Freda, 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 cannot 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 may 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.
- 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.

Michael J. Freda
Signature of Chief Elected Official

Town of North Haven
Name of Municipality

1/27/26
Date

Board of Police Commissioners Special Meeting
Thursday, January 29, 2025
6:00 p.m.
Police Headquarters
8 Linsley Street
North Haven, CT

AGENDA

1. Approval of the minutes of the December 16, 2025 Special meeting both Regular and Executive Session
2. Correspondence
3. Chairman's Report
 - a. Old business
 - b. New business
4. Chiefs Report
 - a. Summary of Division activity
 - b. Walter T. Berniere Scholarship Award
5. Traffic
 - a. Designation of school zones
6. Executive Session
 - a. Promotional discussion

Board of Police Commissioners Special Meeting
Thursday, January 29, 2026
6:00 p.m.
Police Headquarters
8 Linsley Street
North Haven, CT

At 5:53 p.m. Chairman Larry Lazaroff called the meeting to order.

Present: Chairman Larry Lazaroff, Vice Chairman Robert Hannon, Commissioners Marc Calafiore and Alden Mead

Absent: Commissioner Paul Weymann

Others present: Chief Andrew Stavrides and Deputy Chief Joe Woznyk

Chairman Lazaroff asked for the approval of the minutes from the December 16, 2025 Special meeting both Regular and Executive session. Motion to approve made by Vice Chairman Hannon, second by Commissioner Calafiore. All were in favor.

Correspondence:

Commissioner Calafiore reported that no correspondence was received this month.

Chairman's Report:

Chairman Lazaroff asked motorists to drive with caution, especially with the accumulative amount of snow present. He also asks motorists and residents to adhere to the posted parking bans and do their best to keep vehicles off the roads to make it easier for snow removal.

Again, this month Chairman Lazaroff reminded everyone to lock their homes, cars, sheds etc. at all times.

Chiefs Report:

Chief Stavrides stated the budget as of today is 57.3% expended, currently tracking 4% under.

Overtime is still high due to dispatch staffing issues. Chief explained one new dispatcher should be off training in roughly three weeks and working on his own. After that, another dispatcher will be brought in. At that time the department will have eight full time dispatchers which will help with overtime costs.

Traffic:

Chief Stavrides gave the Board a rundown of statistics from the Traffic Division for the month of December such as traffic stops, accidents and motor vehicle citations.

Recently the department took delivery of two new marked cruiser SUV's. Once upfitted they should be on the road by the end of February.

In January 2025, the Town of North Haven began a study into the implementation of traffic speed cameras. During the process, it was determined that the cameras would be placed in all the school zones for the town. A check of the school zones through CTDOT and OSTA revealed that though many had "school" signs, and street painting, actual school zones had not been historically established.

Traffic Sergeant Tony DePascale provided an extensive report with the following findings.

A review of **Clintonville Elementary School** located at 465 Clintonville Road determined that though several school signs and street paintings were installed on both Clintonville Road and on Sachem Drive, some changes and additions were needed to establish a school zone.

a. It is the suggestion of the North Haven Police Department traffic division that an application be submitted to OSTA and CTDOT for the approval of a 30mph school zone on Clintonville Road between the following locations :

1) Latitude 41.39220*N, Longitude 72.83264*W - Eastbound at the School Crossing Ahead sign in the area of 445 Clintonville Road. Currently the speed limit in this area is 40 mph.

2) Latitude 41.39224*N, Longitude 72.82917*W - Westbound at the School Crossing Ahead sign in the area of 485 Clintonville Road. Currently the speed limit in this area is 40 mph.

Further if these two locations are approved by OSTA and CTDOT for a reduction in speed, that the Local Traffic Authority approve the establishment of a school zone between these two locations on Clintonville Road at a later date.

b. It is the suggestion of the North Haven Police Department traffic division that a speed limit of 25mph is established for the entirety of Sachem Drive and that a school zone is established on Sachem Drive between the following locations:

1) Latitude 41.39195*N, Longitude 72.83141*W - Southbound on Sachem Drive just in from the intersection of Clintonville Road.

2) Latitude 41.38800*N, Longitude 72.83498*W - Northbound at the School Crossing Ahead sign in the area of 10 Sachem Drive.

A review of **Ridge Road Elementary School** located at 1341 Ridge Road determined that though several school signs and street paintings were installed on Hartford Turnpike, some changes and additions were needed to establish a school zone.

a. It is the suggestion of the North Haven Police Department traffic division that a 35mph school zone is established on Hartford Turnpike at the following locations:

- 1) Latitude 41.37128*N, Longitude 72.88909*W - Southbound at the School Zone 35mph Speed Limit sign in the area of 1080 Hartford Turnpike.
- 2) Latitude 41.36753*N, Longitude 72.89138*W - Northbound at the School Zone 35mph Speed Limit sign in the area of 1025 Hartford Turnpike.

b. It is the suggestion of the North Haven Police Department traffic division that a 25mph school zone is established on Ridge Road at the following locations:

- 1) Latitude 41.36905*N, Longitude 72.89787*W - Northbound at the School Zone 25mph Speed Limit sign in the area of 1253 Ridge Road.
- 2) Latitude 41.37387*N, Longitude 72.89550*W - Southbound at the School Zone 25mph Speed Limit sign in the area of 1390 Ridge Road.

A review of **Green Acres Elementary School** located at 146 Upper State Street determined that though several school signs and street paintings were installed on Upper State Street, some changes and additions were needed to establish a school zone.

a. It is the suggestion of the North Haven Police Department traffic division that a 30mph school zone is established on Upper State Street at the following locations:

- 1) Latitude 41.40358*N, Longitude 72.86594*W - Northbound at the School Zone 30mph Speed Limit sign in the area of 106 Upper State Street.
- 2) Latitude 41.41196*N, Longitude 72.86125*W - Southbound at the School Zone 30mph Speed Limit sign in the area of 251 Upper State Street.

A review of the **North Haven High School** located at 221 Elm Street determined that though several school signs and street painting were installed on Elm Street, some changes and additions were needed to establish a school zone.

It is the suggestion of the North Haven Police Department traffic division that a 30mph school zone is established on Elm Street at the following locations:

- 1) Latitude 41.37061*N, Longitude 72.86257*W - Northbound at the School Crossing Ahead sign in the area of 279 Elm Street.
- 2) Latitude 41.37660*N, Longitude 72.86464*W - Southbound at the 30mph Speed Limit sign in the area of 204 Elm Street.

A review of **Montowese Elementary School** located at 145 Fitch Street determined that though several school signs and street paintings were installed on both Rock Road and on Fitch Street, some changes and additions were needed to establish a school zone.

a. It is the suggestion of the North Haven Police Department traffic division that a 25mph school zone is established on Rock Road the following locations:

- 1) Latitude 41.35844*N, Longitude 72.85210*W - Southbound at the School Zone 25mph Speed Limit sign in the area of 128 Rock Road.
- 2) Latitude 41.35430*N, Longitude 72.85264*W - Northbound at the School Zone 25mph Speed Limit sign in the area of 23 Rock Road.

b. It is the suggestion of the North Haven Police Department traffic division that a 25mph school zone is established on Fitch Street and the School Rd Ext. of Fitch Street at the following locations:

- 1) Latitude 41.35485*N, Longitude 72.85239*W - Eastbound on the School Rd Ext. of Fitch Street just East of Rock Road.
- 2) Latitude 41.35406*N, Longitude 72.85251*W - Eastbound at the School Zone 25mph Speed Limit sign in the area of 130 Fitch Street.
- 3) Latitude 41.35464*N, Longitude 72.84778*W - Westbound on Fitch Street in the area of 195 Fitch Street.

A review of the **North Haven Middle School** located at 55 Bailey Road determined that though several school signs and street paintings were installed on Bailey Road, some changes and additions were needed to establish a school zone.

a. It is the suggestion of the North Haven Police Department traffic division that a 30mph school zone is established on Bailey Road at the following locations:

- 1) Latitude 41.37711*N, Longitude 72.86261*W - Eastbound at the School Zone 30mph Speed Limit sign in the area of 1 Arthur Street.
- 2) Latitude 41.37710*N, Longitude 72.85696*W - Westbound at the School Zone 30mph Speed Limit sign in the area of 146 Maple Avenue.

The Board of Police Commissioners acts as the Local Traffic Authority and has authority to establish school zones on both local and state roadways.

After a brief discussion, Chairman Lazaroff asked for a motion to approve the recommendations made by the North Haven Traffic Division in order to establish school zones and memorialize the designated school zones as referred above. Motion seconded by Commissioner Mead. All were in favor. There was no further discussion.

Uniformed Services Division:

Chief Stavrides provided a breakdown of statistics to the Board including calls for service, motor vehicle stops, arrests, vehicle thefts, vehicle burglaries and calls for service. All numbers are up compared to the last two years. All categories are trending upward.

Investigative Services Division:

Chief Stavrides advised the Board to review the detailed report provided to them. Detectives have been very busy this month. Chief then spoke of some notable cases that Detectives have been investigating.

Walter T. Berniere Scholarship:

A request for consideration for three courses was received from Officer Richard DePalma. Commissioner Calafiore made the motion to approve the request. Second by Chairman Lazaroff. All were in favor.

With nothing further, Chairman Lazaroff made the motion to adjourn to move to Executive Session. Motion seconded by Commissioner Calafiore. All were in favor. The time was 6:14 p.m.

At 6:37 p.m. the Board reconvened to regular session.

Chairman Lazaroff made the motion to renew the appointment of Supernumerary to Ted Stockmon for two more years. Motion seconded by Vice Chairman Hannon. All were in favor.

Vice Chairman Robert Hannon made the motion to promote Lieutenant Chris Spose to the rank of Captain. Motion seconded by Chairman Lazaroff. All were in favor.

Chairman Lazaroff made the motion to promote Sergeant Nick Costanzo to the rank of Lieutenant. Motion seconded by Commissioner Calafiore. All were in favor.

Commissioner Calafiore made the motion to promote Officer Marcus Artiaiz to the rank of Sergeant. Motion seconded by Chairman Lazaroff. All were in favor.

With nothing further, Chairman Lazaroff asked for a motion to adjourn. Motion made by Vice Chairman Hannon, motion seconded by Commissioner Mead. All were in favor. There was no further discussion.

The time was 6:39 p.m.

Submitted,

Marc Calafiore, Secretary

Minutes by P. Claflin

i. North Haven Connecticut - Traffic Stop History

Year	Traffic Stops
2021	1,541
2022	1,487
2023	1,783
2024	3,290
2025	3,669

Town of North Haven – Municipal Police Department

ii. North Haven Connecticut - Census Data

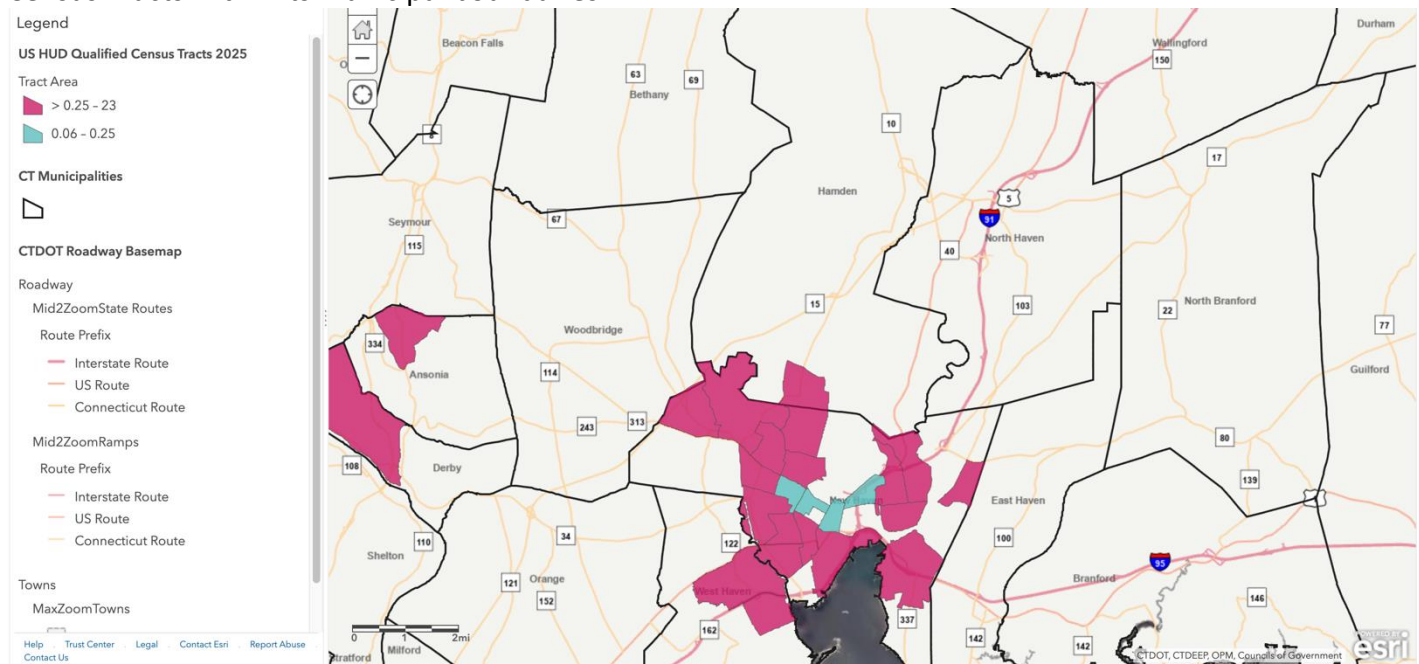
Municipal Poverty Rate = 4.7%

% Of Occupied Housing Units with Vehicles = 95.8%

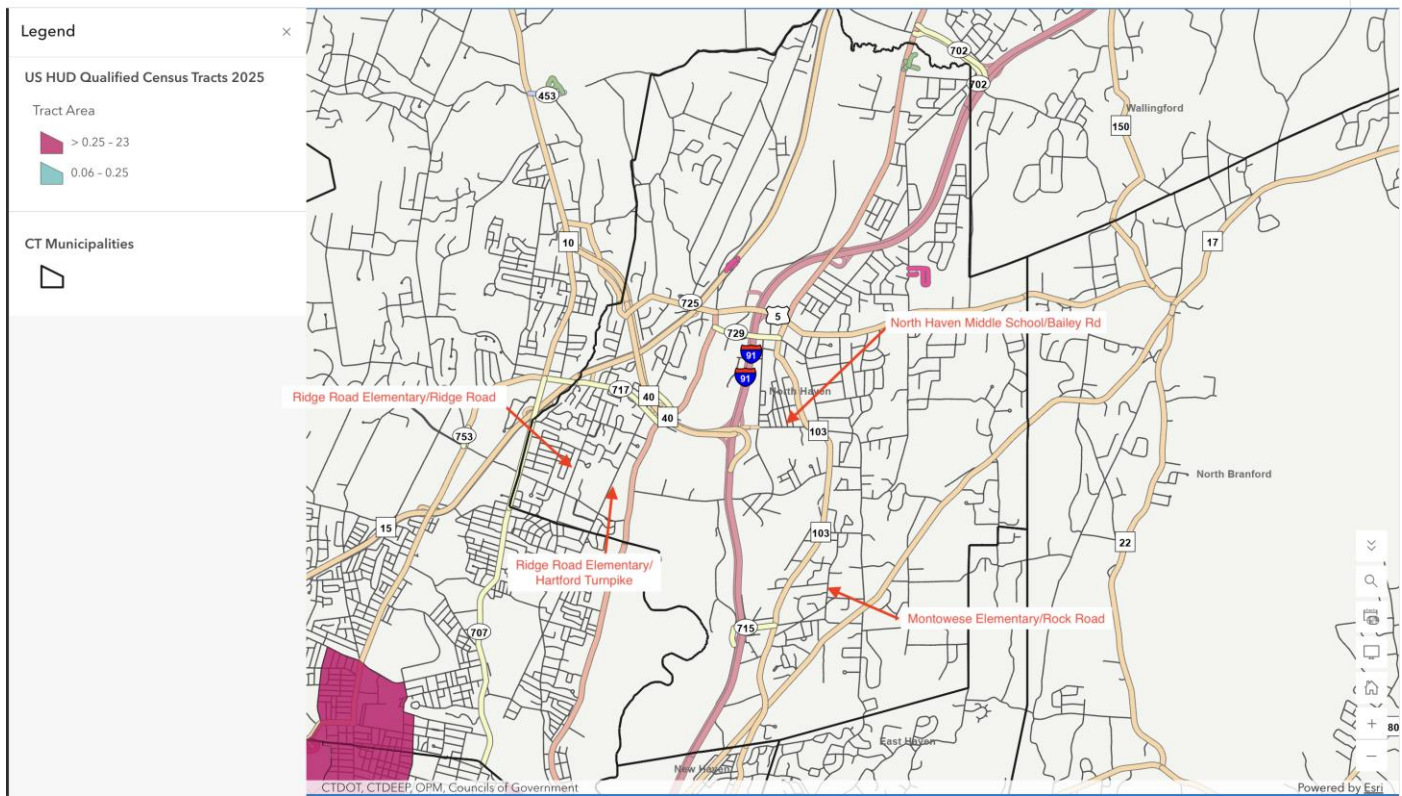
United States Census Bureau

iii. North Haven Connecticut – Qualified Census Tract

The United States Department of Housing and Urban Development defined “Qualified Census Tracts” as having 50 percent of households with incomes below 60% of the Area Median Gross Income or having a poverty rate of at least 20%. The Town of North Haven, located in New Haven County has zero Qualified Census Tracts within its municipal boundaries.



<https://ctdot.maps.arcgis.com/home/webmap/viewer.html?webmap=50eb6d797a9a4850894354520a8428ac>



<https://ctdot.maps.arcgis.com/apps/mapviewer/index.html?webmap=50eb6d797a9a4850894354520a8428ac>



ATESD Proposal – Speed Camera

1a & 1b: North Haven Middle School Zone: Bailey Road from Maple Avenue to Elm Street

Executive Summary/Site Selection Justification

Bailey Road is a residential road that runs east and west in the central portion of town and services high volumes of passenger and commercial traffic. The stretch of roadway near North Haven Middle School sees an uptick in volume during peak school arrival and dismissal times with student drop-offs / pickups, faculty and school bus traffic. The main driveway to the North Haven Middle School located on Bailey Road, allows access to faculty only during peak school arrival and dismissal times. Bus transportation is combined with North Haven High School whose parking lot borders the North Haven Middle School parking lot on Elm Street. The entrance for the student pickup and drop off for the North Haven Middle School is located on Maple Avenue. The vehicles utilize an access road which leads to the North Haven Middle School back parking lot with the vehicles exiting back on to Bailey Road via the North Haven Middle School entrance. A crosswalk is located just west of the school driveway and is monitored by a crossing guard during peak school arrival and dismissal times. Several sports fields are located on the middle school property and are used heavily during the year by middle school, high school and town youth teams. This stretch of Bailey Road is a straight two lane highway which allows ample room to accelerate beyond the posted speed limit. This creates a precarious situation for vehicles attempting to exit the school and pedestrians attempting to cross the crosswalk. Due to these factors, this site qualifies as a good candidate for traffic speed cameras.

Purpose

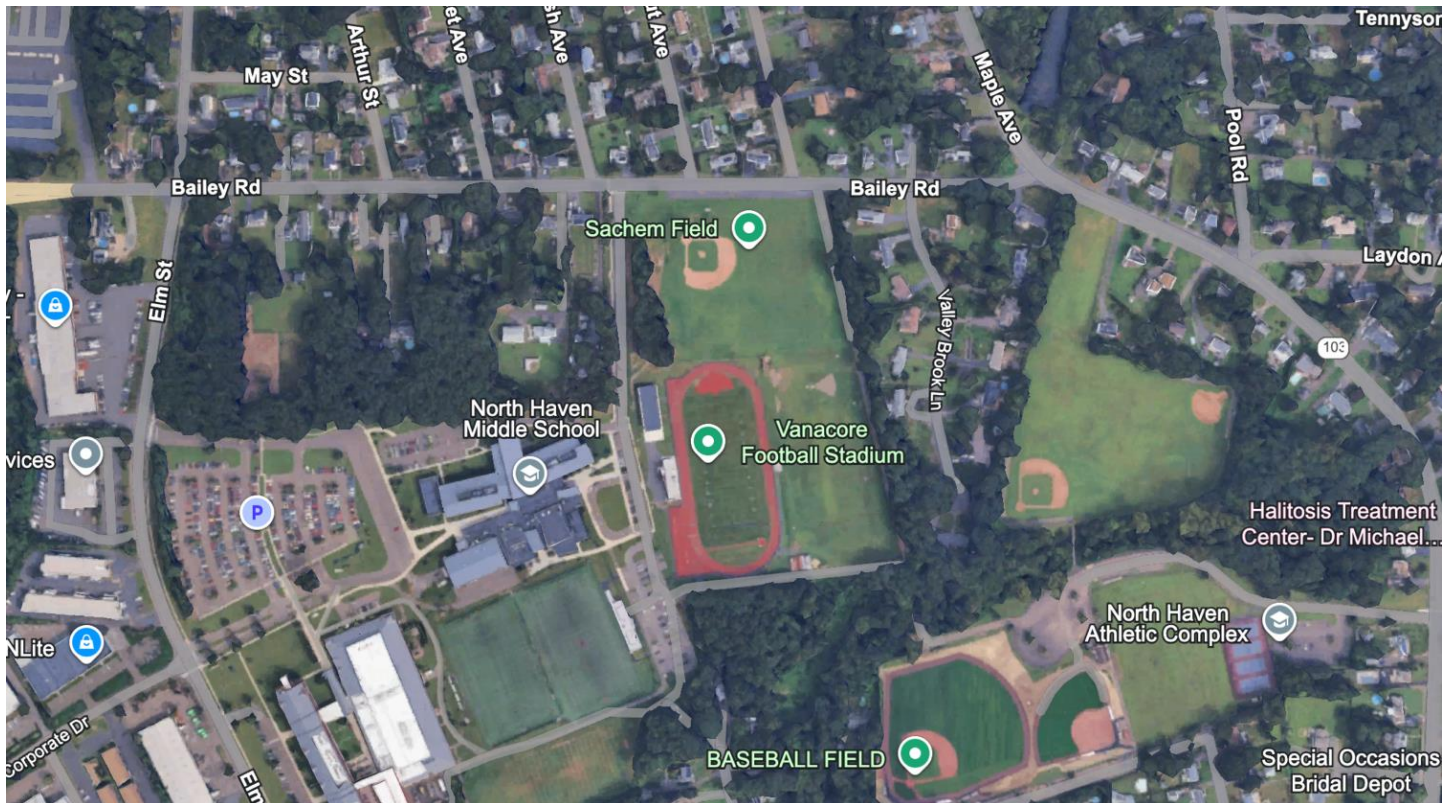
To install a bi-directional Automated Traffic Enforcement Safety Device on eastbound and westbound lanes of travel in order to reduce speeds on the roadway, reduce accidents and traffic fatalities.

Data

Location Information					
Road	Direction	From	To	Speed Limit	
Bailey Road	Both	Maple Avenue	Elm Street	30 MPH	
Location Type					
School Zone		X	Pedestrian Safety Zone		Other
Crash History (Provided by North Haven Police Department)					
	2023	2024	2025		
Crashes	2	3	3		
Injury	1	0	0		
Fatal	0	0	0		
Speed Related	0	1	1		
Traffic Data					
85th Percentile Speed		Average Daily Traffic		Pedestrian Activity	
41.2 MPH		3,400		~ 100 student walkers	
Traffic Stop Data					
	2021	2022	2023	2024	2025
Town Wide	1,541	1,487	1,783	3,290	3,669
Location	12	4	5	17	23

Roadway Geometry

North Haven Middle School is located at 55 Bailey Road and is accessed by Bailey Road and an access road off of Maple Avenue. Bailey Road is a residential town road which runs east & west between the Rt. 40 Connector on/off ramp and Maple Avenue. Bailey Road features two travel lanes with partial sidewalks and no shoulders with the exception of the narrow shoulders on the small portion of roadway between the Elm Street intersection and the Rt.40 Connector on/off ramp. It has one signalized intersection at Elm Street which includes a signalized crosswalk. The main driveway to North Haven Middle School is located on Bailey Road and allows access to faculty only during peak school arrival and dismissal times. Bus transportation is combined with North Haven High School whose parking lot borders North Haven Middle School parking lot on Elm Street. The entrance for the student pickup and drop off for the North Haven Middle School is located on Maple Avenue. The vehicles utilize an access road which leads to the North Haven Middle School back parking lot with the vehicles exiting back on to Bailey Road via the North Haven Middle School entrance.



School Zone

North Haven Middle School meets the definition of a school zone pursuant to CGS 14-212b and has been approved as such by the Local Traffic Authority. The school zone signage is consistent with the Federal Highway Administrations Manual on Uniform Traffic Control Devices.

Pedestrian Safety

A significant number of students either walk, bike, or are driven to North Haven Middle School rather than utilizing school bus transportation. This trend contributes to increased pedestrian, bicycle, and vehicular activity during peak school arrival and dismissal times. This does not account for additional pedestrians, including parents, younger siblings, and non-student commuters who travel through school zones during peak hours and athletes / family members that use the school's track, soccer, lacrosse and football fields during non-school hours. Given the combination of the increased prevalence of vulnerable road users (e.g., walkers, bikers, and e-scooter riders), a growing emphasis on sustainable, non-vehicular transportation modes, and the

unique safety concerns posed by novice drivers, automated speed enforcement will serve as a critical safety enhancement for North Haven Middle School.

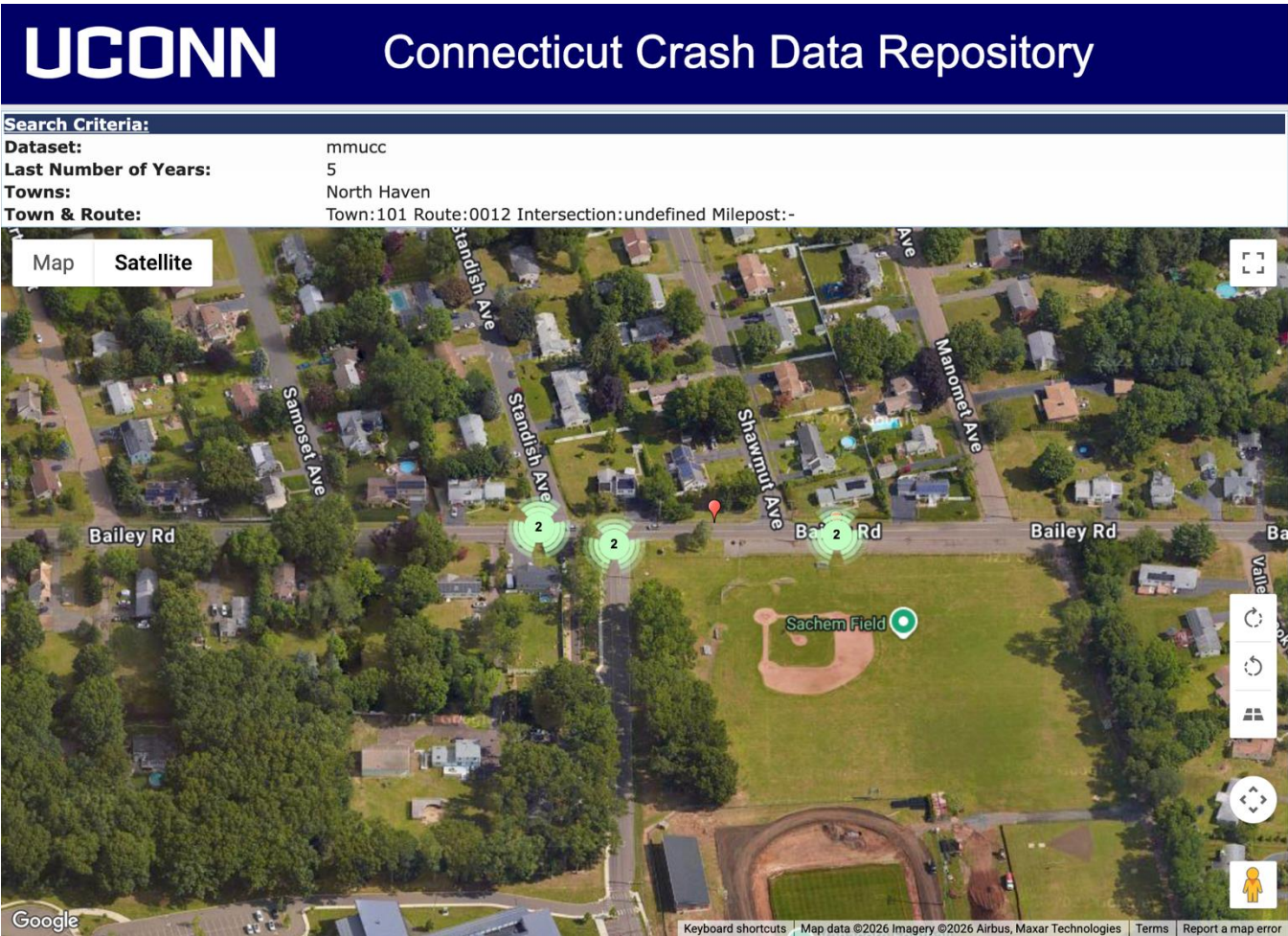
Traffic Calming Measures Already Implemented

The North Haven Local Traffic Authority has designated the area around North Haven Middle School as a school zone. A crosswalk located on Bailey Road at the entrance to North Haven Middle School is utilized by parents and students and is monitored by a crossing guard during peak school arrival and dismissal times. This crosswalk has all appropriate signage both at and in advance of the crosswalk. Routine motor vehicle speed enforcement is conducted by officers in the uniform services and traffic divisions. An electronic speed limit sign was posted for westbound traffic in the area of Bailey Road by the school for one year in 2023. Advanced school warning signage / street painting are installed in the area.

CT DOT ADT Map



UCONN Crash Data



Crash History (Provided by North Haven Police Department)				
	2023	2024	2025	
Crashes	2	3	3	
Injury	1	0	0	
Fatal	0	0	0	
Speed Related	0	1	1	

North Haven Middle School
North Haven, CT: Bailey Road
School Start: 7:33 AM, School End: 2:00 PM

National Data & Surveying Services (NDS) conducted speed studies at North Haven Middle School on Bailey Road Monday 2/24/2025 through Friday 2/28/2025.

This report was completed given the speed and time limit parameters of:

Regular Speed Limit: 30 MPH

School Zone Speed Limit: 30 MPH

During the specified dates, the traffic courts were as follows:

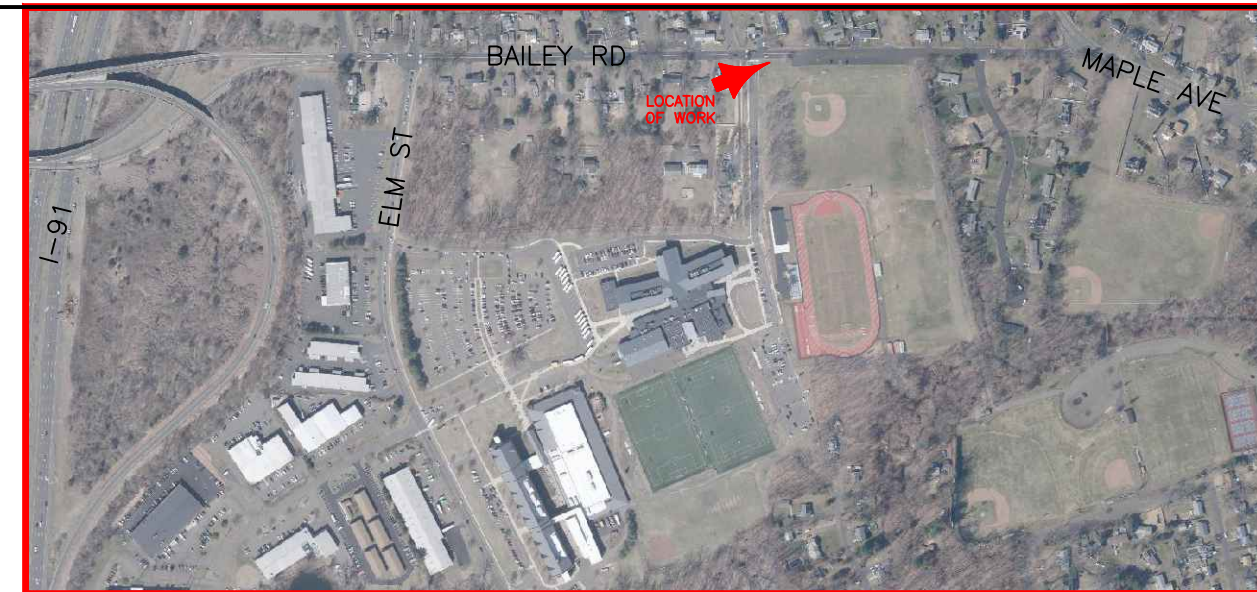
Date	Vehicle Count	Speeders	% Speeding
2/24/25	3,685	1,054	28.6
2/25/25	3,992	903	22.6
2/26/25	3,958	1,053	26.6
2/27/25	3,807	728	19.1
2/28/25	4,041	867	21.5

5 Day Total Vehicle Count: 19,483

5 Day Total Speeding Violations Recorded: 4,605

Note: Speeding is defined as any recorded speed at 10 MPH over the designated speed limit.

Average Speed	35.6
50th Percentile Speed	35.6
85th Percentile Speed	41.2
Max Speed	58



VICINITY MAP

TOWN OF NORTH HAVEN
SIGNAGE PLAN
NORTH HAVEN MIDDLE SCHOOL ZONE

VERSION SUMMARY		
DATE	REV	DESCRIPTION
10/29/25	A	INITIAL RELEASE

DRAWING INDEX

DRAWING #	SHEET	REV #	DATE
NHCT-RSE-006-1	COVER SHEET	A	10/29/25
NHCT-RSE-006-2	DRAWING INDEX	A	10/29/25
NHCT-RSE-006-3	GENERAL NOTES	A	10/29/25
NHCT-RSE-006-4	SIGNAGE PLAN	A	10/29/25

REVISION			 108		CONTRACT NO.		TOWN OF NORTH HAVEN FIXED RADAR SPEED ENFORCEMENT PLAN NORTH HAVEN MIDDLE SCHOOL ZONE DRAWING INDEX			
LTR	DESCRIPTION	DATE			APPROVED	ENGINEER				
A	INITIAL RELEASE	10/29/25			SC	S. CREEL				
						DATE				10/25/2025
						DRAWN	M. CARTER	SIZE	DRAWING NO.	REV
						APPROVAL		B	NHCT-RSE-006-2	A
						APPROVAL		SCALE	NONE	SHEET 1 OF 1

GENERAL CONSTRUCTION NOTES:

INSTALLATION AND CONSTRUCTION SHALL CONFORM TO THE DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS APPLICABLE, STANDARD PLANS DATED AND EFFECTIVE FOR THE CURRENT YEAR, AND ANY SPECIAL MUNICIPALITY CODE PROVISIONS.

- 1. THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES IS APPROXIMATE. THE SUBCONTRACTOR SHALL DETERMINE THE LOCATION AND DEPTH OF ALL UTILITIES INCLUDING THOSE NOT SHOWN ON PLANS AND VERIFY ALL JOB SITE CONDITIONS, HAND EXCAVATE FOUNDATION UNTIL CLEAR OF ALL SUBSTRUCTURES AND PROTECT ALL FACILITIES DURING CONSTRUCTION. SUBCONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS FOR UNDERGROUND UTILITY REMOVAL OR RELOCATION WITH RESPECTIVE UTILITY OWNERS AS MAY BE REQUIRED SUFFICIENTLY IN ADVANCE TO PREVENT DELAY IN OPERATIONS.
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 - 20. SUBCONTRACTOR SHALL SUPPLY AS-BUILT DRAWINGS TO ALTUMINT ENGINEERING DEPARTMENT WITHIN THIRTY (30) DAYS OF CONSTRUCTION COMPLETION.
 - 21. SUBCONTRACTOR SHALL IMPLEMENT SEDIMENT CONTROL PER FEDERAL, STATE AND MUNICIPALITY STANDARDS. AT NO TIME SHALL SOIL BE ALLOWED TO ENTER SIDEWALKS, DRIVEWAYS OR ROADWAYS.
 - 22. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE RESPECTIVE OWNERS AND OTHER AGENCIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
- CONTACT:
- * GAS COMPANY
 - * WATER DISTRICT
 - * PHONE COMPANY
 - * CABLE COMPANY
 - * LOCAL AND/OR STATE EXCAVATION AUTHORITY

SPECIFIC CONSTRUCTION NOTES:

- 1. THE SUBCONTRACTOR SHALL INSTALL ALL SUBSTRUCTURES ACCORDING TO LOCAL GOVERNING AGENCY FROST LINE REQUIREMENTS WHERE APPLICABLE.
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 - LOCATING UTILITIES
 - INSPECTION
 - SOIL MITIGATION
 - TRAFFIC CONTROL
 - CONSTRUCTION
 - INSPECTION
 - PERMITTING

REVISION						CONTRACT NO.		TOWN OF NORTH HAVEN FIXED RADAR SPEED ENFORCEMENT PLAN NORTH HAVEN MIDDLE SCHOOL ZONE GENERAL NOTES		
LTR	DESCRIPTION		DATE	APPROVED	ENGINEER					
A	INITIAL RELEASE		10/29/25	SC	S. CREEL					
					DATE					
					10/25/2025		DRAWN			
					M. CARTER		APPROVAL		SIZE	
									DRAWING NO.	
									REV	
									A	
									SCALE	
									NONE	
									SHEET 1 OF 1	



altumint
AUTONOMOUS VISUAL INTELLIGENCE

109



LEGEND



ATES SYSTEM



ENFORCEMENT AREA

SIGN LEGEND



R1-1
31-0552



R2-1
31-5505



31-0813



S1-1
41-2112



S4-3P
41-2101



S5-2
31-2103



R10-19P (CT)
31-0808



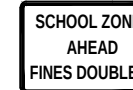
W16-9P
41-6126



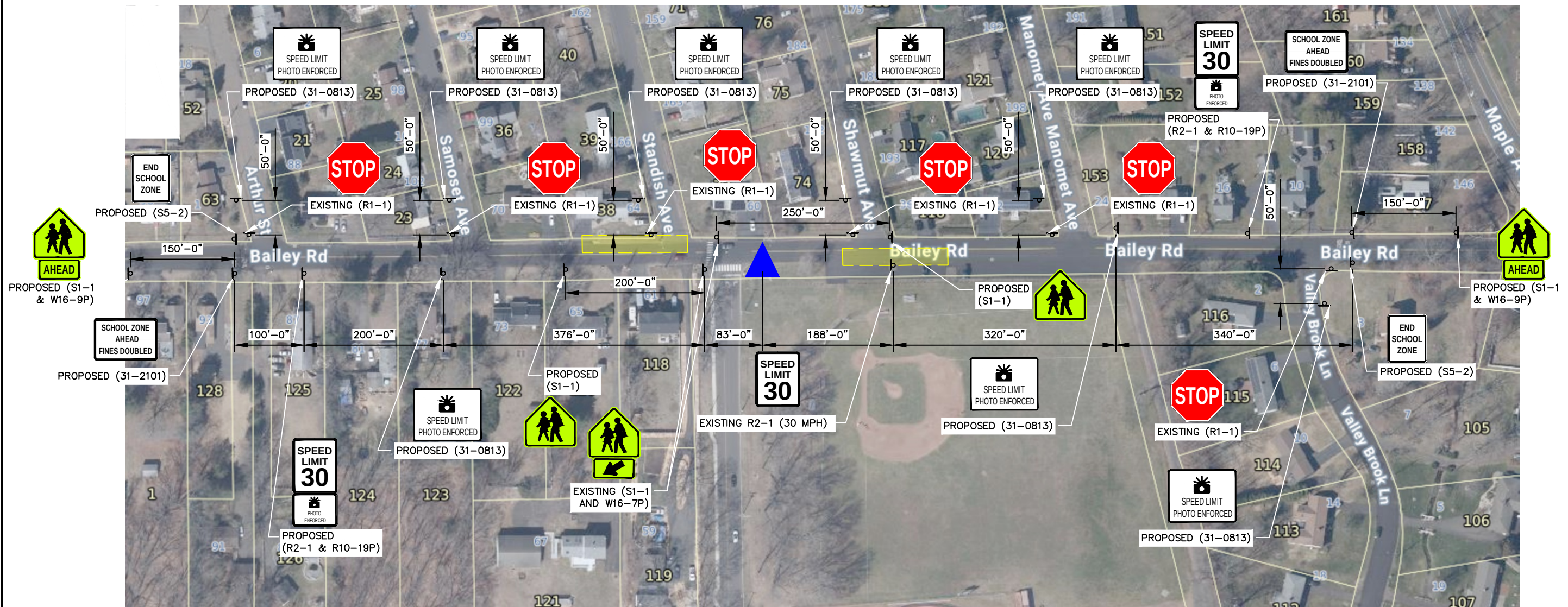
W16-7P
41-2617



W16-7P
41-2619



S5-1 (CT)
31-2101



SIGNAGE PLAN
1" = 150'-0"

REVISION		DATE	APPROVED
LTR	DESCRIPTION		
A	INITIAL RELEASE	10/29/25	SC



CONTRACT NO.	
ENGINEER	S. CREEL
DATE	12/08/2025
DRAWN	M. CARTER
APPROVAL	
APPROVAL	

TOWN OF NORTH HAVEN FIXED RADAR SPEED ENFORCEMENT PLAN NORTH HAVEN MIDDLE SCHOOL ZONE SIGNAGE PLAN		
SIZE	DRAWING NO.	REV
B	NHCT-RSE-006-4	A
SCALE	1" = 150'-0"	SHEET 1 OF 1



ATESD Proposal – Speed Camera

2a, 2b, 2c & 2d: Ridge Road Elementary School Zone: Ridge Road from Buell St to Skiff Street and Hartford Turnpike from Oliver Dr to Skiff Street

Executive Summary/Site Selection Justification

Ridge Road – Ridge Road is a residential road that runs north and south in the western portion of town and services high volumes of passenger traffic. The stretch of roadway near Ridge Road Elementary School sees an uptick in volume during peak school arrival and dismissal times with student drop-offs / pickups, faculty and school bus traffic. Student drop-offs / pickups for the school only exit on Ridge Road while faculty and school bus traffic enter and exit via the driveway on Ridge Road. A crosswalk just north of the school driveway, which is monitored by a crossing guard during peak school arrival and dismissal times, ushers a large amount of parents and students across Ridge Road. The West Ridge Volunteer Fire Department is also located just south of the school driveway. This stretch of Ridge Road is a straight two-lane highway which allows ample room to accelerate beyond the posted speed limit. This creates a precarious situation for vehicles attempting to exit the school and pedestrians attempting to cross the crosswalk. Due to these factors, this site qualifies as a good candidate for traffic speed cameras.

Hartford Turnpike – Hartford Turnpike is a residential road that runs north and south in the western portion of town and services high volumes of passenger traffic. The stretch of roadway near Ridge Road Elementary School sees an uptick in volume during peak school arrival and dismissal times with student drop-offs / pickups. Student drop-offs / pickups for the school enter on Hartford Turnpike and exit onto Ridge Road, while faculty and school bus traffic enter and exit via the driveway on Ridge Road. This stretch of Hartford Turnpike is a straight two-lane highway which allows ample room to accelerate beyond the posted speed limit. This creates a precarious situation for vehicles attempting to enter the school. Due to these factors, this site qualifies as a good candidate for traffic speed cameras.

Purpose

To install a bi-directional Automated Traffic Enforcement Safety Device on northbound and southbound lanes of travel on Hartford Turnpike and northbound and southbound lanes of travel on Ridge Road in order to reduce speeds on the roadway, reduce accidents and traffic fatalities.

Data

Ridge Road

Location Information					
Road	Direction	From	To	Speed Limit	
Ridge Road	Both	Buell St	Skiff Street	25 MPH	
Location Type					
School Zone	X	Pedestrian Safety Zone		Other	
Crash History (Provided by North Haven Police Department)					
	2023	2024	2025		
Crashes	2	3	2		
Injury	1	2	1		
Fatal	0	0	0		
Speed Related	0	0	1		
Traffic Data					
85th Percentile Speed		Average Daily Traffic		Pedestrian Activity	
42.7		4,200		~ 30 student walkers	
Traffic Stop Data					
	2021	2022	2023	2024	2025
Town Wide	1,541	1,487	1,783	3,290	3,669
Location	3	5	5	14	12

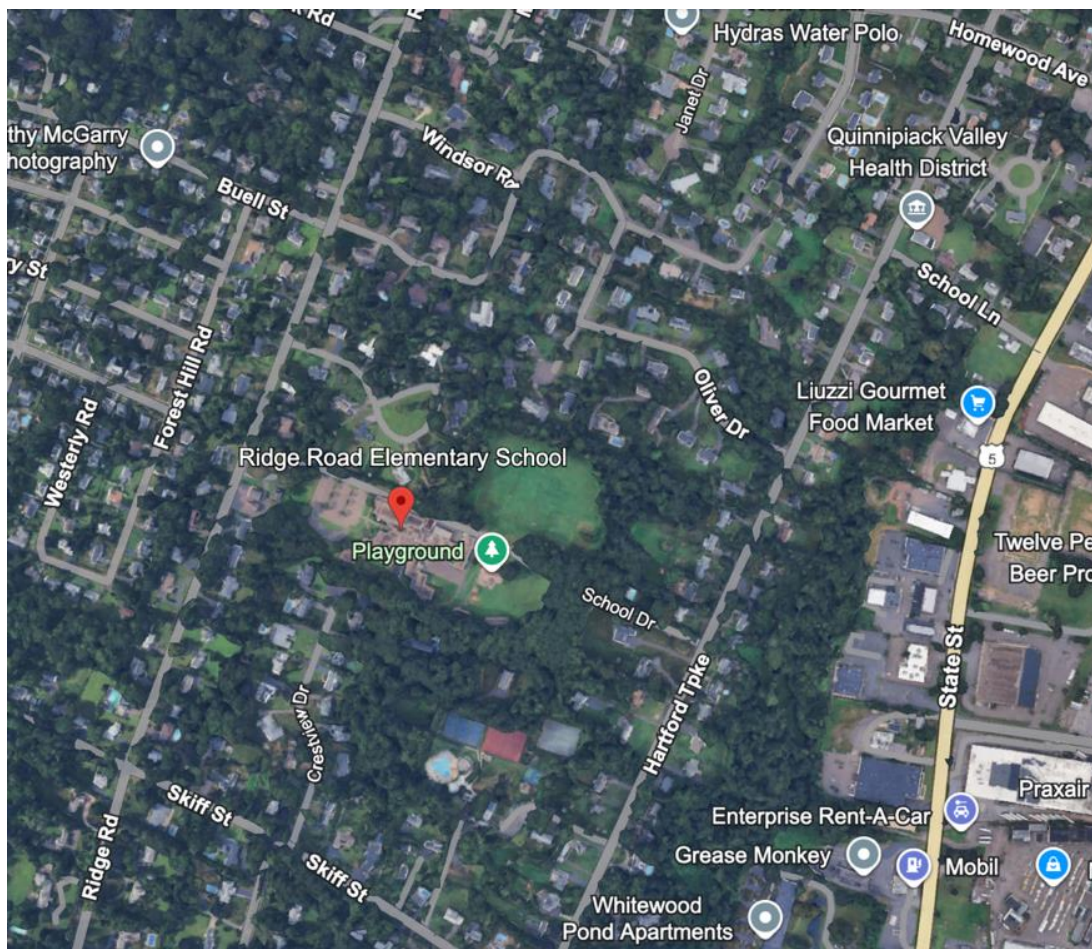
Hartford Turnpike

Location Information					
Road	Direction	From	To	Speed Limit	
Hartford Turnpike	Both	Oliver Dr	Skiff Street	35 MPH	
Location Type					
School Zone	X	Pedestrian Safety Zone		Other	
Crash History (Provided by North Haven Police Department)					
	2023	2024	2025		
Crashes	2	2	2		
Injury	0	1	0		
Fatal	0	0	0		
Speed Related	0	0	0		
Traffic Data					
85th Percentile Speed		Average Daily Traffic		Pedestrian Activity	
42.4 MPH		4,100		~ 30 student walkers	
Traffic Stop Data					
	2021	2022	2023	2024	2025
Town Wide	1,541	1,487	1,783	3,290	3,669
Location	8	4	3	10	4

Roadway Geometry

Ridge Road Ridge Road Elementary School located at 1341 Ridge Road is accessed by Ridge Road and Hartford Turnpike. Ridge Road is a residential town road which runs north and south between the Hamden town line and Mt. Carmel Avenue. A small portion of Ridge Road is a state road between the Davis Road intersection and Bishop Road intersection. Ridge Road features two travel lanes throughout the majority of the roadway with partial sidewalks and minimal shoulders with the exception of the state road portion which has three lanes at the intersection with Davis Road and a larger shoulder. It has two signalized intersections at Skiff Street and at Dixwell Avenue. The main driveway to Ridge Road Elementary School is located on Ridge Road and allows access to faculty and school bus traffic. The roadway's design contributes to speeding concerns and limits opportunities for safe enforcement.

Hartford Turnpike – Hartford Turnpike is a residential and commercial town road which runs north and south between the Hamden town line and the Wallingford town line. Hartford Turnpike features two travel lanes with minimal sidewalks and shoulders with the exception of the commercial areas where the lanes expand to three or four at the larger intersections. It has six signalized intersections at Skiff Street, Dixwell Avenue, Devine Street, Bishop Street, The Rt.15S Exit 53 ramp and Hartford Turnpike. The entrance for the student pickup and drop off for Ridge Road Elementary School is located on Hartford Turnpike, with the vehicles exiting on Ridge Road. The roadway's design contributes to speeding concerns and limits opportunities for safe enforcement.



School Zone

Ridge Road Elementary School meets the definition of a school zone pursuant to CGS 14-212b and both Hartford Turnpike and Ridge Road have been approved as such by the Local Traffic Authority. The school zone signage is consistent with the Federal Highway Administration's Manual of Uniform Traffic Control Devices.

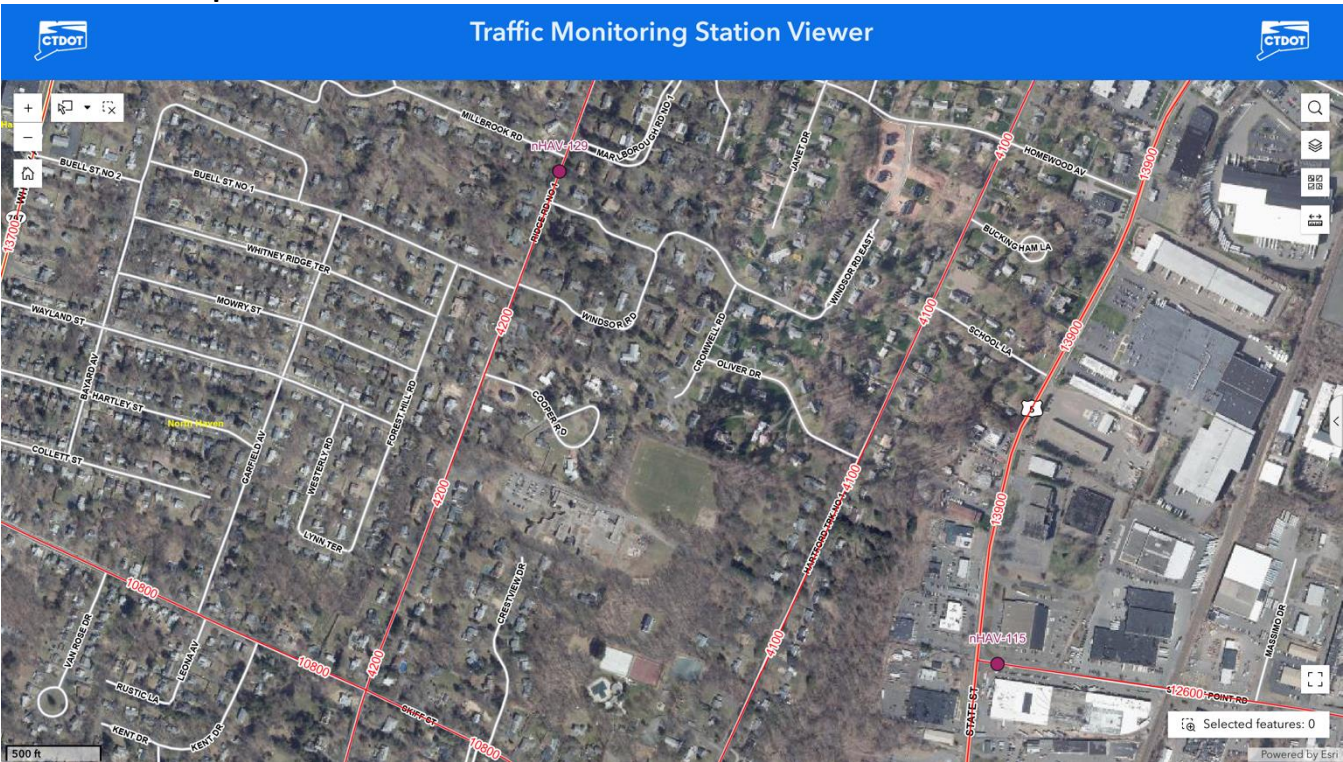
Pedestrian Safety

A significant number of students either walk, bike, or are driven to Ridge Road Elementary School rather than utilizing school bus transportation. This trend contributes to increased pedestrian, bicycle, and vehicular activity during peak school arrival and dismissal times. This does not account for additional pedestrians, including parents, younger siblings, and non-student commuters who travel through school zones during peak hours and athletes / family members that use the school's soccer fields during non-school hours. Given the combination of the increased prevalence of vulnerable road users (e.g., walkers, bikers, and e-scooter riders), a growing emphasis on sustainable, non-vehicular transportation modes, and the unique safety concerns posed by novice drivers, automated speed enforcement will serve as a critical safety enhancement for Ridge Road Elementary School.

Traffic Calming Measures Already Implemented

The North Haven Local Traffic Authority has designated the area around Ridge Road Elementary School as a school zone. A crosswalk located on Ridge Road at the entrance to Ridge Road Elementary School is utilized by parents and students and is monitored by a crossing guard during peak school arrival and dismissal times. This crosswalk has all appropriate signage both at and in advance of the crosswalk. Routine motor vehicle speed enforcement is conducted by officers in the uniform services and traffic divisions. An electronic speed limit sign was posted for southbound traffic in the area of Ridge Road by the school for one year in 2021 and for northbound traffic in the area of Ridge Road by the school in 2023. An electronic speed limit sign was posted for southbound traffic in the area of Hartford Turnpike near Sonne Drive for one year in 2023 and northbound traffic in the area of Hartford Turnpike by the school for one year in 2020. Advanced school warning signage / street painting are installed in the area.

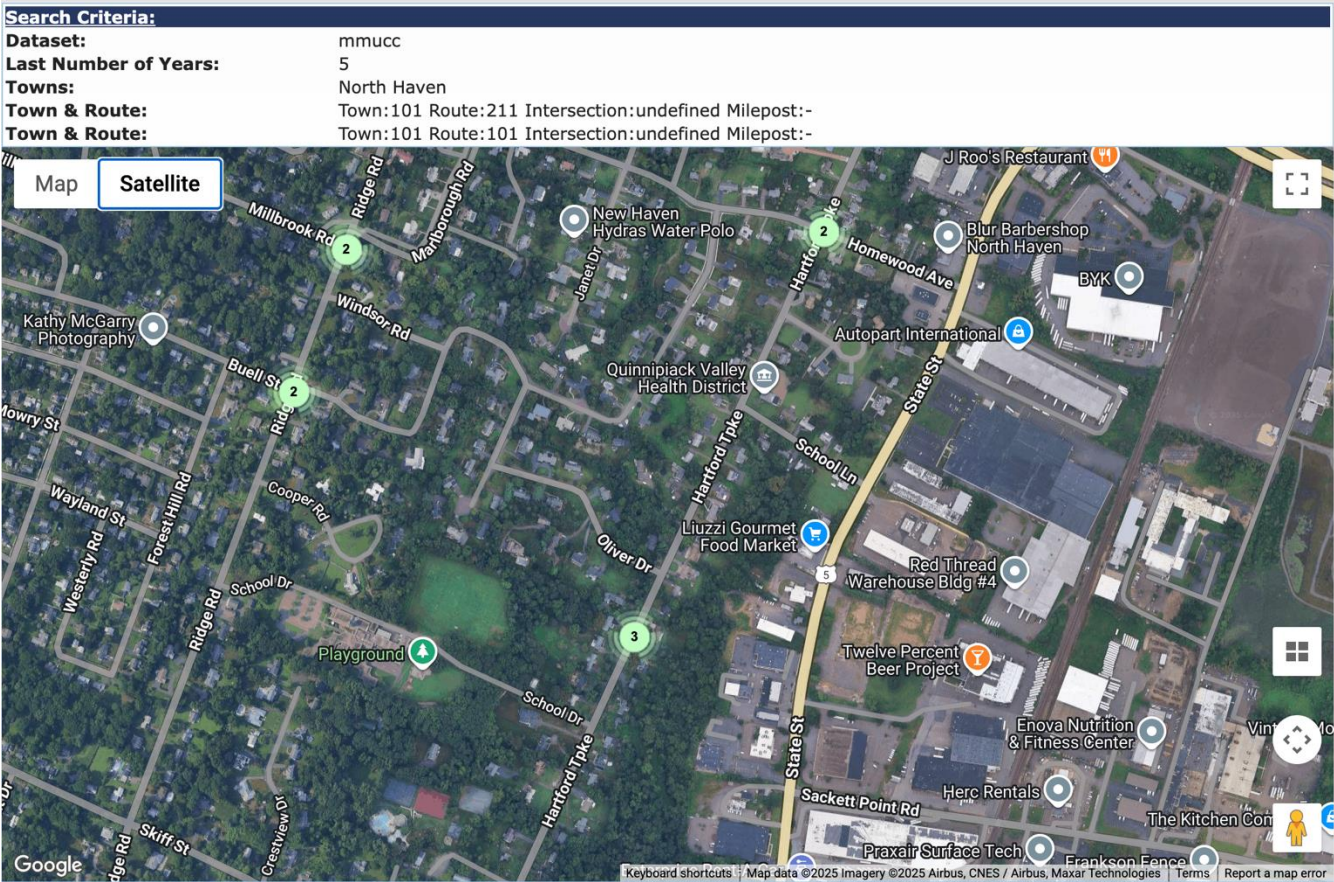
CT DOT ADT Map



UCONN Crash Data

UCONN

Connecticut Crash Data Repository



Ridge Road

Crash History (Provided by North Haven Police Department)				
	2023	2024	2025	
Crashes	2	3	2	
Injury	1	2	1	
Fatal	0	0	0	
Speed Related	0	0	1	

Hartford Turnpike

Crash History (Provided by North Haven Police Department)				
	2023	2024	2025	
Crashes	2	2	2	
Injury	0	1	0	
Fatal	0	0	0	
Speed Related	0	0	0	

Ridge Road Elementary School
North Haven, CT: Ridge Road

School Start: 8:30 AM, School End: 3:02 PM

National Data & Surveying Services (NDS) conducted speed studies at 6Ridge Road Elementary School on Ridge Road Monday 2/24/2025 through Friday 2/28/2025.

This report was completed given the speed and time limit parameters of:

Regular Speed Limit: 25 MPH

School Zone Speed Limit: 25 MPH

During the specified dates, the traffic courts were as follows:

Date	Vehicle Count	Speeders	% Speeding
2/24/25	2,889	2,099	72.7
2/25/25	3,230	1,962	60.7
2/26/25	3,060	2,161	70.6
2/27/25	3,132	2,102	67.1
2/28/25	3,524	2,304	65.4

5 Day Total Vehicle Count: 15,835

5 Day Total Speeding Violations Recorded: 10,628

Note: Speeding is defined as any recorded speed at 10 MPH over the designated speed limit.

Average Speed	36.7
50th Percentile Speed	37
85th Percentile Speed	42.4
Max Speed	58

Ridge Road Elementary School
North Haven, CT: Hartford Turnpike

School Start: 8:30 AM, School End: 3:02 PM

All Traffic Data Services (ATD) conducted speed studies at Ridge Road Elementary School on Hartford Turnpike Monday 9/15/2025 through Friday 9/19/2025.

This report was completed given the speed and time limit parameters of:

Regular Speed Limit: 35 MPH

School Zone Speed Limit: 35 MPH

During the specified dates, the traffic courts were as follows:

Date	Vehicle Count	Speeders	% Speeding
9/15/25	4,175	321	7.7
9/16/25	4,606	360	7.8
9/17/25	4,310	328	7.6
9/18/25	4,661	275	5.9
9/19/25	4,606	417	9.1

5 Day Total Vehicle Count: 22,358

5 Day Total Speeding Violations Recorded: 1,701

Note: Speeding is defined as any recorded speed at 10 MPH over the designated speed limit.

Average Speed	36.9
50th Percentile Speed	36.9
85th Percentile Speed	42.7
Max Speed	66.4



VICINITY MAP

TOWN OF NORTH HAVEN
SIGNAGE PLAN
RIDGE ELEMENTARY SCHOOL ZONE

VERSION SUMMARY		
DATE	REV	DESCRIPTION
10/29/25	A	INITIAL RELEASE

DRAWING INDEX

DRAWING #	SHEET	REV #	DATE
NHCT-RSE-003-1	COVER SHEET	A	10/29/25
NHCT-RSE-003-2	DRAWING INDEX	A	10/29/25
NHCT-RSE-003-3	GENERAL NOTES	A	10/29/25
NHCT-RSE-003-4	SIGNAGE PLAN RIDGE RD	A	10/29/25
NHCT-RSE-003-5	SIGNAGE PLAN HARTFORD TPKE	A	10/29/25

REVISION			 121		CONTRACT NO.		TOWN OF NORTH HAVEN FIXED RADAR SPEED ENFORCEMENT PLAN RIDGE ELEMENTARY SCHOOL ZONE DRAWING INDEX			
LTR	DESCRIPTION	DATE			APPROVED	ENGINEER				
A	INITIAL RELEASE	10/29/25			SC	S. CREEL				
						DATE				10/25/2025
						DRAWN	M. CARTER	SIZE	DRAWING NO.	REV
						APPROVAL		B	NHCT-RSE-003-2	A
						APPROVAL		SCALE	NONE	SHEET 2 OF 5

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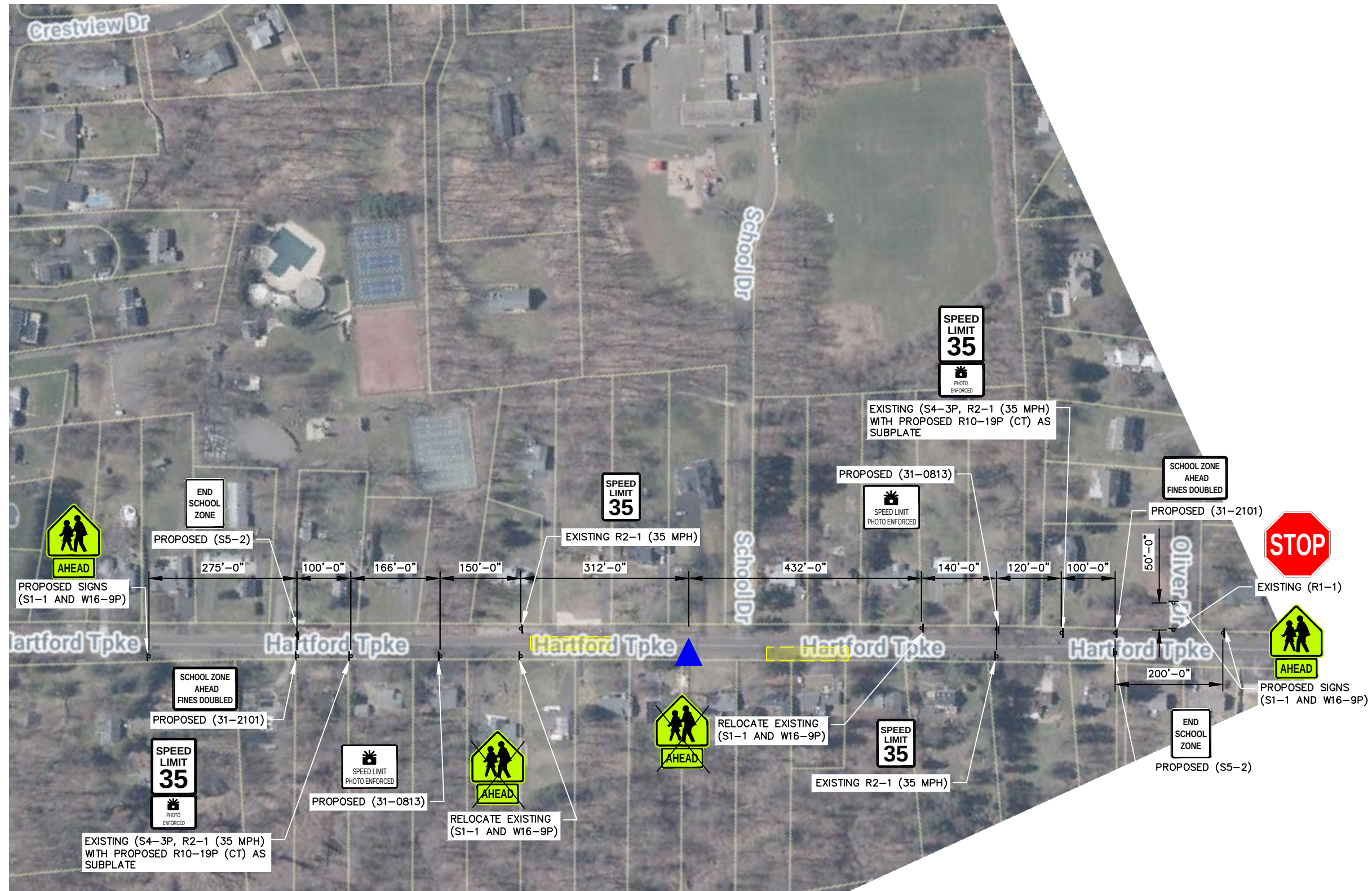
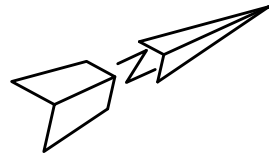
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 - * WATER DISTRICT
 - * PHONE COMPANY
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 - TRAFFIC CONTROL
 - CONSTRUCTION
 - INSPECTION
 - PERMITTING

REVISION				 122	CONTRACT NO.		TOWN OF NORTH HAVEN FIXED RADAR SPEED ENFORCEMENT PLAN RIDGE ELEMENTARY SCHOOL ZONE GENERAL NOTES			
LTR	DESCRIPTION				DATE	APPROVED				ENGINEER
A	INITIAL RELEASE				10/29/25	SC				S. CREEL
										DATE
										10/25/2025
										DRAWN
										M. CARTER
										APPROVAL
										APPROVAL



- SIGN LEGEND**
- R2-1 31-5505
 - R10-19P (CT) 31-0808
 - S1-1 41-2112
 - S5-2 31-2103
 - W16-9P 41-6126
 - 31-0813
 - S5-1 (CT) 31-2101
- LEGEND**
- ATES SYSTEM
 - ENFORCEMENT AREA

SIGNAGE PLAN HARTFORD TPKE
1" = 200'-0"

REVISION		DATE	APPROVED
LTR	DESCRIPTION		
A	INITIAL RELEASE	10/29/25	SC



CONTRACT NO. —		<i>TOWN OF NORTH HAVEN FIXED RADAR SPEED ENFORCEMENT PLAN RIDGE ELEMENTARY SCHOOL ZONE SIGNAGE PLAN HARTFORD TPKE</i>		
ENGINEER S. CREEL				
DATE 12/08/2025				
DRAWN M. CARTER				
APPROVAL —		SIZE <i>B</i>	DRAWING NO. <i>NHCT-RSE-003-5</i>	REV <i>A</i>
APPROVAL		SCALE: 1" = 200'-0" SHEET 5 OF 5		

ATESD Municipal Plan Contact Information

Town of North Haven ATESD Plan Preparer Contact:

Sergeant Antonio De Pascale
North Haven Police Department
8 Linsley St.
North Haven, CT 06473
(203) 239-5321

Town of North Haven Permit Submission Staff Liaison:

Chief Andrew Stavrides
North Haven Police Department
8 Linsley St.
North Haven, CT 06473
(203) 239-5321