

Connecticut Bicycle and Pedestrian Advisory Board

Volunteer board members advising agencies of the state on policies, programs, and facilities for bicycles and pedestrians.



REGULAR MEETING NOTES Friday November 17, 2023 9 AM

Microsoft Teams meeting

Join on your computer or mobile app

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Or call in (audio only)

+1 860-840-2075,,852154497# United States, Hartford

Phone Conference ID: 852 154 497#

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1 Call to Order/Roll Call

Sandy Fry (Chair), Brian Kent (Vice Chair), Joe Balskus (Secretary), Rod Parlee, Al Sylvestre, Neil Pade, Sue Smith, Thomas Branchaud

Pat Padlo, OSTA Charles Harlow, F&O Bob Dickinson, Bloomfield Dimitri Kotoumbas, OSTA Amy Watkins, WalkForMeCT Norm Berg Lon Hultgren, Mansfield Kate Rattan, SCCOG Natasha Fatu, CTDOT ??, Bike Stonington Doug Hausladen, NHPA Caitlin Palmer, CRCOG Stuart Popper, Cromwell Kevin Tedesco, CTDOT Anna Bergeron, CTDOT Alicia Leite, CTDOT Jacob Knowlton, CRCOG Bill Champagne, CTDOT

Christopher Roberts, CTDOT Bruce Wittchen, OPM Jason Hughes, T2 Center Aaron Budris, NVCOG Grace Yi, City of Hartford Craig Babowicz, CTDOT Graham Curtis, CTDOT

1.1 Minutes, **October 27** meeting Accepted by Board.

Delia Fey, NECCOG

Erica Lindeberg, Jacobs

Martha Conneely, Riverfront Recapture

2.0 Reports/Presentations

Natasha Fatu, CT DOT, Traffic Safety Engineering, Highway Safety Improvement Plan (HSIP) FFY24 Implementation Plan

NOTE TO PERSONS WITH SPECIAL NEEDS:

Anyone who requires an auxiliary aid or service for effective communication or other accommodation at a meeting must notify the Connecticut Department of Transportation in advance of the meeting as soon as they are able.



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Presentation was given on the Federal Fiscal Year 2024 Implementation Plan for the Highway Safety Improvement Program. (see attached presentation.) DOT has completed clearance interval retiming on state signals. Municipal signals will be addressed in the future. Pedestrian heads have been added at signalized intersections, and design and installation work is proceeding for RRFBs at midblock crossings. A roundabout study, an illumination study (for crosswalks), a raised crosswalk study, and a right turn on red study are either underway or will be soon. A pedestrian crash hot spot study will be undertaken, and will look at all vulnerable user crashes. The studies will take 1 to 1.5 years and then projects will be initiated afterwards. It was asked if any bumpouts were provided as part of the clearance interval work – no, since that work focused strictly on signal timing. It was asked if there has been any study of the contrast on ped signals – these can be difficult to see for those with low vision. Answer – will look for studies, and accessible pedestrian signals (with audible component) address this.

Presentation/Discussion of Complete Streets Controlling Design Criteria and Justification Process: Policy Statement and Directive MOVED TO DECEMBER MEETING

Other DOT reports

CCGP awarded 17 grants totaling \$11 million. There were 49 applications. Maximum grant amount is \$800,000.

- 3.0 Old Business
 - 3.1 Annual Report subcommittee report
 - 3.2 Follow up Bolton Trail CRCOG to follow up
 - 3.2 Getting word out on CTBPAB anything scheduled, cooking? COG quarterly meetings to be scheduled

Route 146 project – public information meeting held, information to be provided on project public survey and meeting link

- 4.0 New Business
 - 4.1 Calendar for next year (attached) Accepted for 2024.

Possible locations for in person meetings

Putnam Bridge trail opening, with in person at VHB office

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- Riverfront Boathouse, Hartford
- Other ideas welcome
- 4.2 relook at our legislative purpose: "The duties of the board shall include, but not be limited to, examining the need for bicycle and pedestrian transportation, promoting programs and facilities for bicycles and pedestrians in this state, and advising appropriate agencies of the state on policies, programs, and facilities for bicycles and pedestrians."

Assessing the need is beyond the scope of the 10 member board

- 5.0 Input
 - 5.1 Input from COG's and Vision Zero Updates. No updates
 - 5.2 Input from Visitors (5 minutes) No updates.
 - 5.3 CT Greenways Council/ECGA No report.
 - 5.4 BikeWalk CT No report.
 - 5.5 Watch for Me CT World Day of Remembrance, 11/18/23, Bushnell Park
 - 5.6 Transport Hartford No report.
 - 5.7 CT Trails Program No report.
 - 5.8 CT Public Transportation Council
 - 5.9 CT DEEP Trails and Greenways

Next Meeting – December 15, 2023, 9 AM VIA TEAMS

NOTE TO PERSONS WITH SPECIAL NEEDS:

2024 MEETING SCHEDULE Meetings are generally the 4th Friday, unless otherwise noted MEETINGS WILL BEGIN AT 9 AM

January 26, 2024

February 23, 2024

March 22, 2024

April 26, 2024

May 24, 2024

June 28, 2024

July 26, 2024

August 23, 2024

September 27, 2024

October 25, 2024

November 22, 2024

December 20, 2024 (not the 4th Friday)

Turning Crashes Into Projects -How CTDOT deploys Safety Countermeasures

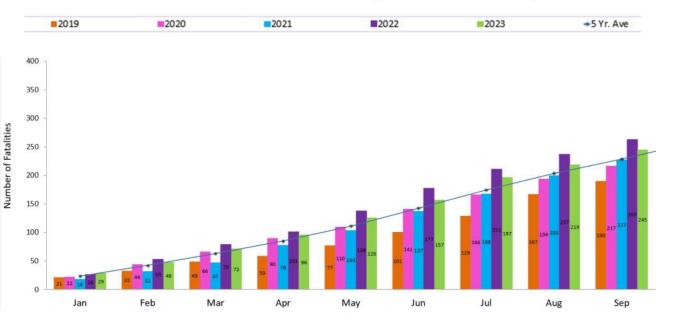
Traffic Safety Engineering



Connecticut Crash Trends

Number of Fatalities (Cumulative Totals By Month)

Number of Fatalities (Cumulative Totals By Month)



* 2020 and later data are preliminary and from CTDOT sources; data from prior years are from NHTSA FARS final files

Connecticut Traffic Deaths

	ear to Date as of	November 14th	
2023 283	2022 315	2021 268	2020 253
Preliminary Year-End			
CONNECTICUT	202 36		2020 299
OF TRANSO	CTSRC		UCONN





Commitment to Safety

- Strategic Highway Safety Plan
- Highway Safety Improvement ProgramImplementation Plan
- Vulnerable Road User Assessment
- Review of 2020 to 2022 Fatal and Serious injury crash data on <u>ALL</u> public roadways in CT.
- Decisions must be data-driven.
- Strategies must be consistent with the SHSP.
- Internal and external stakeholders.
- CTDOT has obligated all HSIP funding to HSIP eligible projects for several years.



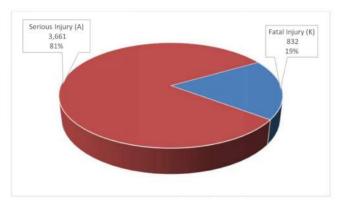


Connecticut Department of Transportation

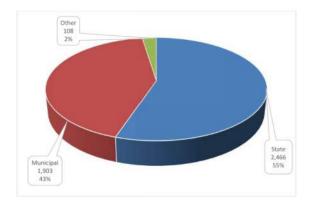
Jureau of Engineering and Construction - Diversor of Traffic Engineering - Safety Engineering



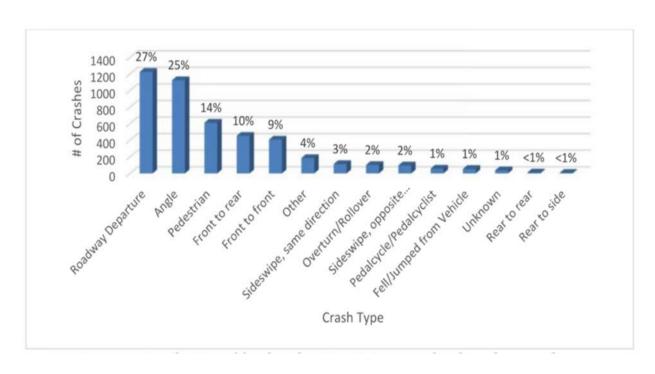
Crash Graphs



2020-2022 Crash Distribution of K&A



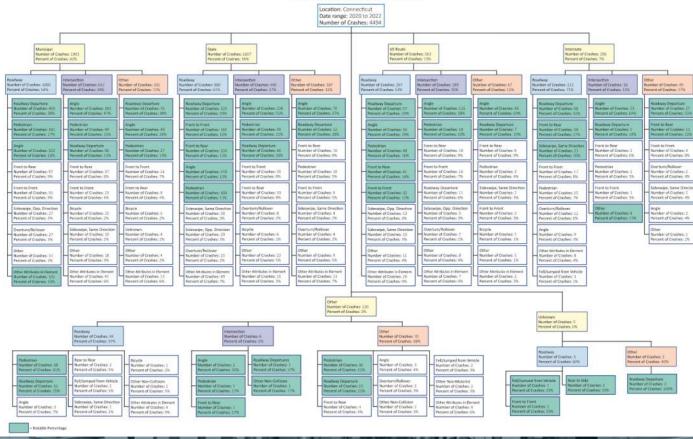
2020-2022 Crash Distribution by Road Ownership



2020-2022 Distribution of fatal and serious injury crashes based on crash type

Crash Tree

Connecticut Fatal and Serious Injury Crash Tree State and Municipal Roads



CONNECTICUT



Roadway Departure Projects

Centerline Rumble Strips (CLRS)

- Target Distracted Drivers
- Deploying on eligible roadways, both State and Municipal
- Produces noise and vibrations when departing from lane into oncoming traffic
- Up to 44%/64% reduction in fatal/injury crashes on 2-lane roads







Roadway Departure Projects

High Friction Surface Treatment (HFST)

- Target Speeding Drivers
- Application of aggregate to enhance pavement friction
- Up to 48% reduction of injury crashes along horizontal curves





Calcined bassite is the aggregate

shown to yield the best results and should be used with HFST

applications.

thickness, delayed aggregate

ZERO 888

placement, and inade

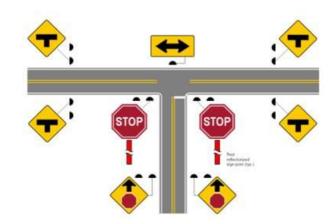
aggregate coverage. . The cost can be reduced when



Intersection Projects

Stop Signs at Unsignalized intersections

- Target Inattentive Drivers
- Enhanced conspicuity, both day and night
- Up to 10% reduction in fatal and injury crashes
- Up to 15% reduction in nighttime crashes





Proven Safety Countermeasures Systemic Application of Multiple Low-Cost Countermeasures at Stop-Controlled Intersections This systemic approach to intersection safety involves deploying a package of multiple low-cost countermeasures, including enhanced signing and poverment markings, at a large number of stop-controlled intersections within a jurisdiction. These countermeasures increase driver awareness and recognition of the intersections and potential conflicts.

Removal of vegetation, parking, or obstructions that limit sight

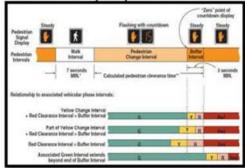
Double arrow warning sign at stem

Intersection Projects

Clearance Interval Retiming

- Target Speeding Drivers
- Project implemented on State Roads
- Currently designing Municipal Road project
- Helps to reduce injury crashes at signals
- Up to 36%-50% reduction in red light running

Up to 12% reduction in injury crashes







Pedestrian Projects

Pedestrian Facilities at Signalized intersections

- Target Vulnerable Road Users
- Upgrading Pedestrian Indications
- Up to a 13% Reduction in Pedestrian-Vehicle Intersection Crashes





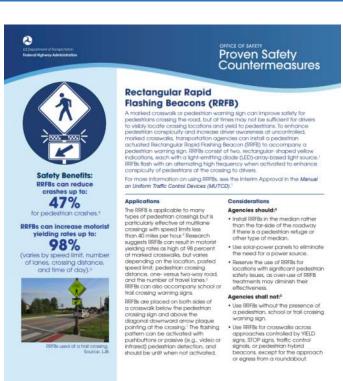


Pedestrian Projects

Rectangular Rapid Flashing Beacons (RRFB)

- Target Vulnerable Road Users
- Project Implemented on State & Municipal Roads
- Phase 2 to design/implement at additional locations
- Enhancing visibility of pedestrians at or in crosswalk
- Increases Vehicle Yield Rates by up to 98%
- Up to 47% reduction in Pedestrian Crashes





ZERO

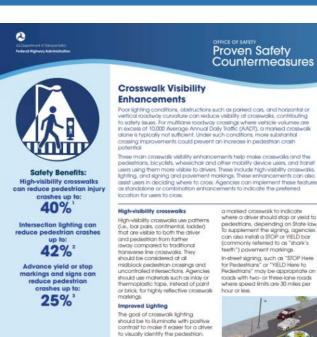
and other FHWA Proven Safety Countermeasures, please visi https://highways.dot.gov/ safety/proven-safety-counter measures and https://high ways.dot.gov/siles/fhwa.dot. gov/files/2022-06/fcch5heet



Pedestrian Projects

Crosswalk Visibility Enhancements

- Target Vulnerable Road Users
 - Review of lighting at Midblock Crosswalks
 - Up to 42% Reduction in Pedestrian Crashes
 - High-Visibility Crosswalks
 - Countermeasure institutionalized
 - Up to 40% Reduction in Pedestrian Injury Crashes
 - Advance Yield markings and signs
 - Countermeasure Institutionalized
 - Up to 25% Reduction in Pedestrian Crashes
 - Pedestrian Signage Upgrade
 - Increases conspicuity of crosswalks
 - Ensures crosswalk signage is in a state of good repair
 - Deploying for both State and Municipal Roadways



luminaires in forward locations t avoid a silhouette effect of the pedestrian. **Enhanced Signing and Pavement Markings**

This involves carefully placing the

On multilane roadways, agencies can use "YELD Here to Pedestrians or "STOP Here for Pedestrians" d other FHWA Proven Safe signs 20 to 50 feet in advance of

where a driver should stop or yield to pedestrians, depending on State law To supplement the signing, agencies can also install a STOP or YIELD bar (commonly referred to as "shark's teeth") povement markings. In-street signing, such as "STOP Here

for Pedestrians" or "YIELD Here to Pedestrians" may be appropriate on roads with two- or three-lane roads where speed limits are 30 miles pe



1 (OMF D. <u>2020</u>) Oher, L. C. Cherr, and R. Ewing. The Safety Countermocause of libbon Inferiorities - Le 2 (CMF D. <u>400</u>) Ewis, R. and Vao, T. Handbook of Roo Ringdom, Televisia (2000).





Upcoming Initiatives

- Roundabout Study
- Illumination Study
- Right Turn on Red Study
- Raised Intersection/Crosswalk Study
- Pedestrian Crash Hot-Spot Study





Questions?