



LEBANON PEDESTRIAN & BICYCLIST ADVISORY COMMITTEE

JULY 6, 2021 - 7:00 PM

MEETING ROOM 2, CITY HALL OR
REMOTE VIA VIRTUAL PLATFORM

LEBANONNH.GOV/LIVE

1. Call to Order

- A. Review of in-person protocol

2. Approval of Minutes

- A. June 1, 2021

3. Study Items

- A. Updates from Other Boards
 - Planning Office - Planning Staff
 - Safe Routes to School - Planning Staff
 - City Council - Erling Heistad
 - Planning Board/CIP Meeting - Gregorio Amaro
 - Police Reports - Alan Schnur
 - Mascoma River Greenway Coalition - Colin Smith
 - Class VI Roads - Colin Smith
 - State of NH Updates - Alex Belensz
 - Rails to Trails - Amy Chan
 - Communications Plan - Marie McCormick
- B. 2020-2021 Crash Analysis
- C. UV Electric Bike Lending Library - Status Update
- D. Ped - Bike Amendments to Development Regulations

4. Other Business

- A. City/State Projects (Special Assessment District, West Lebanon, NHDOT 120/I-89 Exit 18, TAP, Lane Widths)

5. Future Agenda Items

- A. Bike Friendly Community
- B. Multimodal Plan

6. Adjournment

The order of agenda items is subject to change.

Meetings are open for in-person and remote attendance. Members of the public that wish to attend remotely may do so by going to LebanonNH.gov/Live where you will find instructions on how to enter the meeting. Members of the public will be able to participate and ask questions through the City's virtual platform or by phone. Please note: Should technical difficulties occur during the meeting that disrupts virtual or phone connection(s), the meeting will continue without remote access capabilities.

**Agenda
Pedestrian & Bicyclist Advisory Committee
July 7, 2021**

**Agenda Item #2A
Approval of Minutes**

June 1, 2021

DRAFT

**PEDESTRIAN & BICYCLIST ADVISORY COMMITTEE
TUESDAY JUNE 1, 2021
REMOTE MEETING – MICROSOFT TEAMS
7:00 PM**

MEMBERS PRESENT: Colin Smith (Chair); Erling Heistad (City Council); Alan Schnur;
Marie McCormick (Vice-Chair); Amy Chan; John Kelleher; Clifton
Below (Alt)

MEMBERS ABSENT: Sarah Crys Akhtar; Gregorio Amaro (Planning Board); George
Sykes (City Council Alt)

STAFF PRESENT: Rebecca Owens (Associate Planner)

1) CALL TO ORDER:

Chair Smith called the meeting to order at 7:01 PM.

A. Review of meeting procedures and NH RSA 91-A "Right-to-Know" requirements
Ms. Owens reviewed the executive order requiring public audio and video access and options for
participation. A Roll Call of Board Members who participated remotely is listed above, in addition
to staff present.

Mr. Below was appointed to serve as a regular member in place of Ms. Akhtar.

2) APPROVAL OF MINUTES: May 4, 2021

Mr. McCormick noted a correction on page 2, line 43, to change "Buck Road" to "Buckingham
Place".

Mr. Heisted MOVED to approve the minutes as amended.

Seconded by Mr. Schnur.

***Roll Call Vote: Members voting in favor included Mr. Heisted, Mr. Kelleher, Ms. McCormick, Mr.
Below, Ms. Chan, and Mr. Schnur***

****The vote on the MOTION was unanimously approved (7-0).***

Minutes approved.

3) OPEN TO THE PUBLIC:

4) STUDY ITEMS:

Chair Smith asked staff to review agenda item 4.B, Rules of Decorum. Committee members
decided to table review of the rules until there was clarification on whether the text could be
customized.

A. Updates from Other Boards

- Planning Office – Planning Staff noted that there were no new development applications
of interest.

- 1 • Safe Routes to School – Planning Staff. No direct updates. SAU88 has asked for
- 2 NHDOT to prioritize safe routes and overall accessibility for the Hanover Street School
- 3 as part of its I-89 Exit 18/Route 120 project.
- 4 • City Council – Mr. Heisted noted that the Council has been coordinating with the School
- 5 Board on potential co-use of the Seminary Hill School.
- 6 • Planning Board/CIP – Mr. Amaro. No updates.
- 7 • Police Reports – Mr. Schnur reported that there the police records show one pedestrian
- 8 and bicyclist crash in April, for a total of one crash year to date, versus three by this time
- 9 in 2020. In comparing information that he recently recovered from communications in
- 10 Fall 2020, he observed that there is a difference of four additional pedestrian crashes
- 11 2015-2019 that are not matched between the Police and Fire Department reports. With
- 12 the state using new software, he thinks it would help to obtain the sorting code key. He
- 13 still needs the remainder of 2020 Police and Fire data.
- 14 • Mascoma River Greenway – Chair Smith. No updates.
- 15 • Class VI Roads – Chair Smith indicated that Alden and Dorothy Perley Roads are under
- 16 review.
- 17 • State of NH Updates – Vacant. Ms. Owens noted that the State has reinitiated its Ped-
- 18 Bike Plan and Rail Trail Plan drafting.
- 19 • Rails to Trails – Ms. Chan shared that the Friends of the Northern Rail Trail (FNRT)
- 20 group is participating in Lebanon's Mall Tunnel opening event on July 8th. They are
- 21 working with Paul Coats on trail signage for speeds and etiquette. FNRT has a 25th
- 22 anniversary/25-mile challenge ride event that they are distributing participation cards for.
- 23 • Communications Plan – Ms. McCormick said that previously shared plans for June are
- 24 the same and that LebNews postings will be cross-posted to listservs too.
- 25
- 26 C. Ms. Owens reminded members that the Planning Board's public hearing on proposed
- 27 amendments to the Site Plan Regulations, including new content to address pedestrian
- 28 and bicyclist needs, is on June 28th. Mr. Below asked if shower requirements could be
- 29 tied to square footage or a similar project metric rather than to the number of bike rack
- 30 spaces required. He said he would not have been able to fit showers into his original 1
- 31 Court Street project very easily though they did build large bathrooms that could
- 32 accommodate showers, which is how they eventually accommodated adding one. He
- 33 said that because showers are not required now, builders do not add them and it's a
- 34 missed opportunity to make communities bike-friendly. Mr. Kelleher asked if as an
- 35 alternative to specifying a calculation for showers, they could be encouraged at
- 36 quantities commensurate with the anticipated needs of building users.
- 37
- 38 D. Organization for the Tunnel opening event on 7/8 includes a bike ride from 4-5pm that
- 39 Colin will lead on the Greenway. Lebanon Police may assist. FNRT will have a table and
- 40 lead rides the following day.
- 41

42 **5) OTHER BUSINESS:**

44 **A. City and NHDOT Projects**

45 Members continued discussion of the City DPW's proposed Hanover St. and Route 120
46 intersection changes and how the proposal relates to NHDOT's I-89 Exit 18/Route 120 project.
47 There was discussion about whether NHDOT had received the Committee's recommendation to
48 integrate a responsive signal system at the intersection, as the DPW plans shared with NHDOT
49 did not incorporate that recommendation. Ms. Owens reported that according to a Project
50 Advisory Committee meeting, the current NHDOT traffic model runs on a 30 year time horizon
51 and the project manager suggested that projections support the DPW through-traffic design, but
52 that NHDOT has also reviewed the Ped-Bike motion and intends to touch base with City staff.

1 Ms. Owens reported that the TAP multi-use path on Lahaye Drive continues to be designed and
2 received preliminary review by the Conservation Commission in May, as relates to wetland
3 impacts.

4
5 There was discussion about City work re-striping roadways following maintenance to them. Ped-
6 Bike received a citizen comment that Seminary Hill Road had not been re-striped to existing
7 conditions, which had included some shoulder width area to accommodate cyclists. The new
8 striping eliminates the shoulder and makes lanes up to 16 feet wide in some areas. Ms. Owens
9 indicated that she spoke with Public Works and they have considered how to correct the issue;
10 they currently do not plan to re-stripe the road until 2022. Members asked if Public Works is
11 following specifications for lane striping and if so whether those criteria are clear, and if so, or if
12 not, how such a mistake happened so that changes can be considered for how to prevent such
13 issues in the future. Chair Smith asked staff to inquire with Public Works to see if a more
14 immediate resolution is possible, at what cost, and if the City would be willing to pursue it. Ms.
15 Owens said that the annual Ped-Bike meeting with Public Works is an opportunity to review
16 road rehabilitation/re-paving project lists and obtain assurance that contractors are receiving
17 correct specifications. Mr. Heisted underscored that having lines painted so close to the curb is
18 very dangerous for cyclists.

19
20 **B. Rotary Club Legacy Project**

21 Mr. Kelleher posed an idea for Rotary funds to be considered for a City bike lending library.
22 Members discussed potential features of such a program, including its administration
23 responsibilities. The goal would be to provide equipment to underserved citizens, and could
24 include repair of old bikes for reuse, and procurement of them through the annual Police
25 auction. Members noted that the bikes could be used not just for kids, but for adaptive cycling
26 needs and even rickshaws, engaging support from partners like APD. The administrator would
27 need to be able to accept donations, such as Lebanon Recreation.

28
29 Other discussion ensued. Chair Smith asked whether electronic participation will still be allowed
30 once in-person meetings are required for board members. Ms. Owens and Mr. Clifton
31 responded in the affirmative, as long as a quorum of members is physically present. The statute
32 is vague regarding the definition of emergencies that would allow a member to participate
33 electronically.

34
35 **6) FUTURE AGENDA ITEMS & FOLLOW-UP NEEDS:**

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37
 - Review project re-striping with DPW (all)
 - Share bollard and bike friendly storm grate ideas with DPW (all)
 - LebNews – draft June and July 2021 communications
 - Review of Bike Friendly Community designation, due in 2021 (working group)
 - Review the Committee's webpages for updates (working group)
 - Explore a central document repository for the Committee (Ms. Owens)

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44 **7) ADJOURNMENT:**

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46 ***A Motion by Mr. Below to adjourn the meeting.***

47 ***Seconded by Mr. Heisted.***

48 ***Roll Call Vote: Members voting in favor included Ms. Chan, Mr. Below, Ms. McCormick, Mr.***
49 ***Heisted, Mr. Schnur, Mr. Kelleher, and Chair Smith.***

- 1 ***The vote on the MOTION was unanimously approved (7-0).**
- 2 The meeting was adjourned at 9:03 PM.
- 3 Prepared by Rebecca Owens, Planning Staff

**Agenda
Pedestrian & Bicyclist Advisory Committee
July 7, 2021**

**Agenda Item #3B
Study Items**

**2020-2021
Crash Analysis**

Lebanon NH Data on Crashes Involving Pedestrians and Bicyclists, 2006-2020

Tabulation and Analysis for LPBAC
June 17, 2021
(Prepared by Alan Schnur)

1

Aim of data tabulation and analysis

Aim: To tabulate and analyze data on crashes involving pedestrians and bicyclists in Lebanon City with the intent to:

- Look for patterns
- Measure trends
- ~~Identify main risk factors~~
- ~~Identify any common causative factors~~
- Recommend interventions to prevent future crashes and reduce injuries
- **DATA FOR ACTION!**

2

Data sources used, 2006-2020

- 2006-2019: Lebanon Police Dept. reports with 16 variables
- 2020: Lebanon Police Department report with 12 variables
 - Missing important information needed for analysis, including
 - Details of location (e.g. Parking Lot, Crosswalk, Driveway)
 - Detailed description of crash
 - Severity of injury
- 2015-2019: Lebanon Fire Department EMS report for Incident type “323” (only pedestrians), with 5 variables
 - Compared reports with LPD data and following additional crashes involving pedestrians found:
 - 2015: 2 crashes (January, October)
 - 2016: 1 crash (November)
 - 2019: 1 crash (November)
- Awaiting Lebanon Fire Dept. EMS Report for 2020
- **All data provided to LPBAC through Lebanon Planning Office.**

3

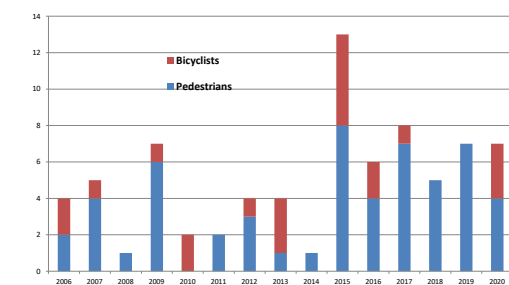
No. of Lebanon NH Crashes Involving Pedestrians and Bicyclists, 2006-2020*

Year	Pedestrians	Bicyclists	Total
2006-2010	13	6	19
2011	2	0	2
2012	3	1	4
2013	1	3	4
2014	1	0	1
2015	8	5	13
2016	4	2	6
2017	7	1	8
2018	5	0	5
2019	7	0	7
2020	4	3	7
Total	55	21	76
Average/year	3.7	1.4	5.1

* UPDATED with LFD EMS data: Pedestrian-involved crashes in 2015 (2), in 2016 (1) and in 2019 (1).
Source: Leb. Police Dept. data & Leb. Fire Dept. EMS data provided to LPBAC through Leb. Planning Office.

4

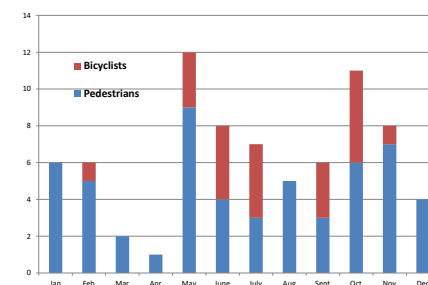
Crashes involving pedestrians and bicyclists, by Year, Lebanon NH, 2006-2020* (n=76 crashes)



* UPDATED with LFD EMS data: Pedestrian-involved crashes in 2015 (2), in 2016 (1) and in 2019 (1).
Source: Leb. Police Dept. data & Leb. Fire Dept. EMS data provided to LPBAC through Leb. Planning Office.

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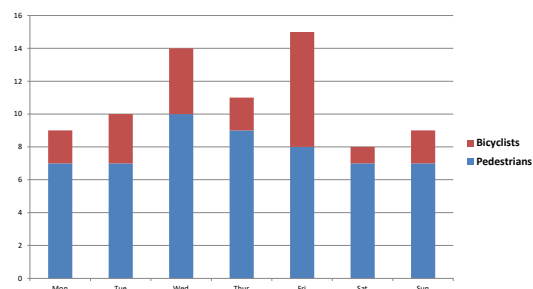
Crashes involving pedestrians and bicyclists, by Month, Lebanon NH, 2006-2020* (n=76 crashes)



*UPDATED with LFD EMS data: Pedestrian-involved crashes in 2015 (2), in 2016 (1) and in 2019 (1).
Source: Leb. Police Dept. data & Leb. Fire Dept. EMS data provided to LPBAC through Leb. Planning Office.

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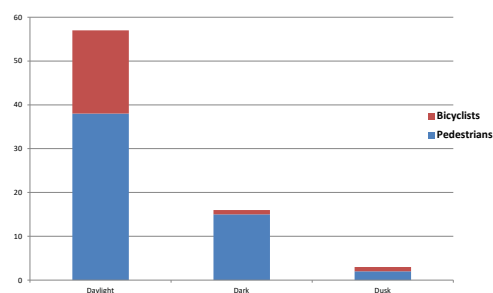
Crashes involving pedestrians and bicyclists, by Day of the week, Lebanon NH, 2006-2020* (n=76 crashes)



*UPDATED with LFD EMS data: Pedestrian-involved crashes in 2015 (2), in 2016 (1) and in 2019 (1).
Source: Leb. Police Dept. data & Leb. Fire Dept. EMS data provided to LPBAC through Leb. Planning Office.

7

Crashes involving pedestrians and bicyclists, by Light conditions, Lebanon NH, 2006-2020* (n=76 crashes)



*UPDATED with LFD EMS data: Pedestrian-involved crashes in 2015 (2), in 2016 (1) and in 2019 (1).
Source: Leb. Police Dept. data & Leb. Fire Dept. EMS data provided to LPBAC through Leb. Planning Office.

8

Crashes involving pedestrians and bicyclists, by Time of Day, Lebanon NH, 2006-2020 (n=76)

Crash Time of day:

- **Pedestrians: During daylight = 38 (69%):**

8:00 am to 11:00 am = 6 crashes

11:00 am to 3:00 pm = 19 crashes

3:00 pm to 6:00 pm = 13 crashes

- **Pedestrians: Dusk or after dark = 17 (31%)**

- **Bicyclists: During daylight = 19 (90%):**

Sun-up to 12:59 pm = 6 crashes

1:00 pm to sundown = 13 crashes

- **Bicyclists: Dusk or after dark = 2 (10%)**

[Most common bike crash time around 5 pm = 7 crashes]

Source: Lebanon Police Dept. data provided to LPBAC through Lebanon Planning Office.

9

Crashes involving Pedestrians, by Age, Lebanon NH, 2016-2020 (n=27 crashes)

Year	Number of Total crashes	Avg. Age Park.Lot	Avg. Age All Peds	Comment
2016	4	71.0	63.5	2 crashes: age NA
2017	7	68.8	59.3	
2018	5	45.5	39.7	1 crash: 2 peds, (Total=6 peds)
2019	7	57.0	55.5	1 crash: age NA
2020	4	NA	56.0	
2016-2020 Average (in years)		61.5*	53.5	
2016-2020 Median (in years)		69.4*	59	
2016-2020 Range of ages		(7 to 95 years*) (7 to 95 years)		

NOTES: 1) Age data not available for the years before 2016.

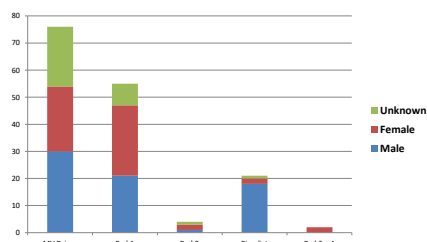
2) Parking Lot information not available for 2020.

*Parking lot crash avg./median age only for 2016-2019.

Source: Lebanon Police Dept. data provided to LPBAC through Lebanon Planning Office.

10

Crashes involving pedestrians and bicyclists, by Gender, Lebanon NH, 2006-2020 (n=76 crashes)



NOTE: Some crashes involved more than one Pedestrian: Total of 61 Pedestrians in 55 crashes. Gender not known for 8 pedestrians involved in crashes.

Source: Leb. Police Dept. data (2006-2020); and Leb Fire Dept. EMS data (2015-2019) provided to LPBAC.

11

Analysis/discussion - Pedestrians

- Increased number of crashes from 2015 to 2020.
- Largest number of crashes involving peds in May.
- Night time is most dangerous for pedestrians.
 - Increased risk of crashes for pedestrians after dark
 - Greater risk of more serious injuries to pedestrians in crashes after dark (from data only until 2019)
- Parking lots and crosswalks are locations with most crashes involving pedestrians (from data only until 2019).
- Seniors are pedestrians at most risk.
 - Median age of pedestrians hit in all crashes = 59 years
 - Median age of pedestrians hit in Parking Lots = 69.4 years (from data only up until 2019)
- Pedestrian crashes on every day of the week --almost equally distributed by day, but more on Wednesday.

12

Analysis/discussion – Bicyclists

- 3 Bike crashes reported in 2020, after none reported in 2018 and 2019.
- Largest number of Bike crashes in October (5), followed by June (4) and July (4).
- No Bike crashes reported for colder months of Dec., Jan., Mar., April from 2006-2020.
- Except for 1 crash each in February and November, all crashes involving bicyclists from May to October.
- Most dangerous day for Bike crashes is Friday.
- Most common Bike crash time is around 5pm, possibly on commute home
- 18 out of 20 bicyclists involved in crashes were male.
 - The gender of one bicyclist was not shown in the data.

13

Possible interventions – for discussion

- Reduced Motor Vehicle speed limit (25mph) within the City established! Need to evaluate impact
- Communicate risks and ways to prevent crashes
- Pedestrian education
 - Mention increased risk of being involved in crash after dark
 - Mention higher risk of injuries for crashes after dark
 - Mention higher risk for seniors
 - Special materials for children and seniors
- Bicyclist education
- Driver education
- Increased signage/crosswalks (for MVs/pedestrians)
- Road Safety Surveys/Assessments

14