

CITY OF MARLBOROUGH MEETING POSTING

Meeting Name: Traffic Commission

Date: January 31, 2018

Time: 10:00 am

Location: 3rd Floor City Hall – Memorial Hall

RECEIVED
CITY CLERK'S OFFICE
CITY OF MARLBOROUGH

2018 JAN 24 P 2:11

Agenda Items to be addressed:

1) MINUTES OF LAST MEETING

- a) Review draft from 12-19-17

2) NEW BUSINESS

- a) Request for Parking Changes on Lincoln St. and Winthrop St.
- b) Request for Crosswalk on Stevens St. (vicinity of Upland Rd.)
- c) Review regulations still needed on Mill Street.
- d) Flashing beacon at the crosswalk on Granger at Liberty St. vs. signalized pedestrian crossing.
- e) Speeding concerns at Wilson Street & Hemenway Street.
- f) Request to review left turn out of Val's Plaza & the Brasileirinho Bakery & Restaraunt

3) OLD BUSINESS

- a) Request for Stop Signs on Weed and Florence
- b) Traffic Regulations at the 1LT Charles W. Whitcomb School
- c) Elm Street Reconstruction Project (Pleasant to Mechanic) – 2 issues for discussion.
- d) Warning Sign Permit for Oakcrest Ave.
- e) Parking Issues on Water Terrace.

THE LISTING OF TOPICS THAT THE CHAIR REASONABLY ANTICIPATES WILL BE DISCUSSED AT THE MEETING IS NOT INTENDED AS A GUARANTEE OF THE TOPICS THAT WILL HAVE BEEN DISCUSSED. NOT ALL TOPICS LISTED MAY IN FACT BE DISCUSSED, AND OTHER TOPICS NOT LISTED MAY ALSO BE BROUGHT UP FOR DISCUSSION TO THE EXTENT PERMITTED BY LAW.



**CITY OF MARLBOROUGH
OFFICE OF TRAFFIC COMMISSION
140 MAIN STREET
MARLBOROUGH, MASSACHUSETTS 01752**

DRAFT

Traffic Commission Minutes

The Regular Meeting of the Traffic Commission was held on Tuesday, December 19, 2017 at 10:00 am in the City Council Committee Room, City Hall. Members present: Chairman - Police Chief David Giorgi, Fire Chief Kevin Breen and City Clerk Lisa Thomas. Also present: City Engineer Tom DiPersio, Assistant City Engineer Tim Collins and City Solicitor Donald Ryder. Minutes taken by Karen Lambert, MPD Records Clerk.

1- Minutes

The minutes of the Traffic Commission meeting of Tuesday, November 28, 2017.

MOTION was made, seconded, duly VOTED:
TO APPROVE – Accept and Place on File.

2 – New Business

2a) Mayor & DPW Commissioner – Feedback from 11-16-17 – Traffic Commission Issues.

The Agenda packet included a list of 4 items for the Traffic Commission to review:

- a. Stop sign at Peters Ave./Cook Lane
- b. Stop sign Cook Lane and Hildreth Street
- c. Stop sign at Park Street and Newton Street
- d. No Turn on Red sign at Farm Road onto Route 20

Commissioner Ghiloni was not at the meeting, however, Tim Collins was able to provide additional information. He passed out a detailed description of each issue which included a GIS aerial photo or diagram. He found the following:

- a) Peters Ave./Cook Lane – the need for additional STOP conditions is not warranted.
- b) Cook Lane & Hildreth – traffic volumes at this intersection do not meet requirements for an additional STOP condition.
- c) Park Street & Newton – STOP sign at any of the approaches is not warranted.
- d) No Turn on Red sign at Farm Rd. onto Rte. 20 – this area is controlled by MADOT and is being designed for a 2021 reconstruction project.

See Mr. Collins' handout for specifics on each of these issues.

MOTION was made, seconded, duly VOTED to ACCEPT and PLACE ON FILE. No further action necessary.

Chief Giorgi made a motion to suspend the rules and move Old Business Agenda Item 3b) up as City Solicitor Don Ryder was in attendance for this issue. All in Favor.

3-Old Business

3b) Unattended trailers parking in public way.

City Solicitor, Don Ryder, drafted new language for the regulation based on Mr. Collins' initial draft and suggestions. The draft copy was provided to the group for review. It included a section for two new definitions, Recreational Vehicles and Trailers, and then included a new section under "Stopping, Standing & Parking" to address the issue of unattended trailers parking in a public way. It also included a 24-hour grace period for parking to allow for packing a vehicle and/or "gearing up" for a vacation etc. Chief Giorgi had also prepared a regulation based on this proposed wording. All agreed with the proposed wording.

MOTION was made, seconded, duly VOTED to APPROVE the regulation as proposed. ALL IN FAVOR.

and

MOTION was made, seconded, duly VOTED to REFER the regulation to Lisa Thomas for advertisement. Chief Giorgi will forward a copy electronically.

2 – New Business (Continued)

2b) Traffic and Speeding on Rte. 85.

Chief Giorgi received several emails from a resident of Commonwealth Ave. She and her husband described how dangerous it has become to take a left turn onto Rte. 85 (Maple Street) from Commonwealth Ave. due to excessive speeding. As soon as she feels it is safe to turn left, "a car comes within seconds over the curved low hill that obstructs the view of St. Mary's bank and any traffic emerging from that area". They suggested that a light be installed near the intersection of John Street to help slow the traffic. They also asked if it would be possible to reduce the speed limit here.

Tim Collins advised that the state is actually planning on reconstructing this intersection. They just opened bids this week. He also explained that specific warrants (i.e. requirements) need to be met in order to install a signalized intersection. Most of the warrants have to do with volume, however, the side street volume at John Street and the lesser part of Maple Street would not meet the warrants for a signalized intersection. The reality is that if they can't take the left from Commonwealth onto Maple there is an alternative. They can also take Church to Hildreth and follow to the signalized intersections.

MOTION was made, seconded, duly VOTED to ACCEPT and PLACE ON FILE. Chief Giorgi will contact the residents and explain the warrant requirements.

3-Old Business

3a) Request for stop signs on Weed St. at Florence St.

This issue is still pending and needs to stay on the agenda.

MOTION was made, seconded, duly VOTED to TABLE.

3c) Traffic Regulations at the 1st LT Charles W. Whitman School.

Tim Collins advised that he has "tweaked" the diagram/required regulations with respect to the south parking lot, however, he wanted to sit down and finalize it with Commissioner Ghiloni before presenting it again.

MOTION was made, seconded, duly VOTED to TABLE.

3d) Request regarding speed bumps on private ways.

Tim Collins researched other potential traffic calming measures and prepared a memo explaining these options that could be available to the apartment/condo complexes. His suggestions included Speed Humps, Speed Tables, Raised Intersections and Closures, Neighborhood Traffic Circles, Chicanes, Chokers & Center Island Narrowing. He included a basic explanation and approximate cost in his summary and attached more specific details on each measure, which included photos and diagrams. This can be used as a "handbook" or guideline if someone wanted to try something different on private property, however, they would still need to go before Site Plan Review for approval. Mr. Collins also passed out a photo he received from an assistant in the DPW. It showed a 3D painted crosswalk that looked like raised blocks in the road.

MOTION was made, seconded, duly VOTED to ACCEPT and PLACE ON FILE. Tim Collins also advised that he would send the memo to the original reporting party.

3e) Crosswalk – Hildreth @ Curtis Ave.

Chief Giorgi had prepared the regulation for the crosswalks on Hildreth Street, Marlton Drive and Curtis Ave. for a vote.

MOTION was made, seconded, duly VOTED to APPROVE the regulation adding the specific crosswalks to the "Crosswalk Locations" schedule. ALL IN FAVOR.

and

MOTION was made, seconded, duly VOTED to REFER to Lisa Thomas to advertise the regulation.

3f) Elm Street Reconstruction Project (Pleasant to Mechanic) – 2 issues for discussion.

Update:

- 1) **Right on Red** – Tim Collins advised that the lights are not up and fully operational yet. There will be a pedestrian signal for crossing. At the next meeting, a vote can be taken on the traffic signal change that would allow for safe pedestrian crossing.
- 2) **Parking Restriction** – Tim Collins advised that when he went out to check the area with regards to parking, the center line had already been painted. There are two 14 foot lanes. If it had checked before, one side could have been made wider to allow for parking, however, now there is no room.

Most of the street parking there was due to the condos, however, they have plenty of other parking available to them. The group went on to discuss whether to formally restrict parking on both sides. It was decided to leave it unmarked for now and see how it goes.

There are also crosswalks on this section of Elm Street that will need a regulation adding them to the crosswalk schedule.

MOTION was made, seconded, duly VOTED to REFER to Engineering for information on the pedestrian signal.

and

MOTION was made, seconded, duly VOTED to REFER to Chief Giorgi to prepare the regulation to add the crosswalks to the schedule.

3g) Northboro Rd. East and New Apex Center.

Tim Collins advised that he reviewed the requirements for a Thickly Settled Zone. To be considered Thickly Settled, an average minimum of 200 feet between buildings for a distance of ¼ mile (1,320 ft.) must be met. He passed out a GIS diagram with the distance between the houses marked and highlighted an area in yellow that would be considered Thickly Settled (north side only). The south side has a 600-foot gap between the hotel and the homes.

Two signs indicating "Thickly Settled - 30 mph" can be installed, one at the start of Boston Post Road West and one at Dudley. We have the option for a 25-mph speed limit, however, this is usually for an extreme case and the State would need to be notified. No regulation is needed.

MOTION was made, seconded, duly VOTED to REFER to the DPW to install the 2 "Thickly Settled" signs. ACCEPT and PLACE ON FILE.

Lisa Thomas asked to follow-up on item that had previously been removed from the Agenda.

25 mph speed limits and designated safety zones.

Ms. Thomas passed out a copy of the City Council Order accepting Section 17C (25 mph speed limits) and Section 18B (designated safety zones) of Chapter 90 of the Massachusetts General Laws as amended. She advised that no advertisement was necessary. This is not part of the Traffic Code but part of the general city wide code establishing speed limits. A copy can be sent to General Code to show that the City is accepting a MA General Law.

MOTION was made, seconded, duly VOTED to REFER to Lisa Thomas to send to General Code.

3h) Warning sign permit for Oakcrest Ave.

Chief Giorgi advised that he spoke with the resident who requested the warning sign. She said that two of her three children are autistic. She is requesting the sign because her youngest will run out into the road without stopping. The neighbors are also supporting the request. Chief Giorgi explained the process to them and advised that they would need to renew the permit every year. They understood and were fine with this requirement. Since it is a warning sign, there is no regulation needed, the sign can just be installed. The group went on to discuss the preferred wording for the sign. "Slow Children Ahead" or "Slow Children at Play" may not be the protection they had in mind. Tim Collins mentioned other areas in the City with specific signs for "Handicap Child Area" or "Deaf Child Area".

MOTION was made, seconded, duly VOTED to REFER to Chief Giorgi to communicate with the resident as to the best wording for the sign. Leave on Agenda for next meeting to discuss wording.

3i) Parking Issues on Water Terrace.

The issue here is that people are using this area for Senior Center parking. Tim Collins passed out a GIS diagram of Water Terrace and marked the number of parking spaces available on each side. There is room for 9 cars on the east side and 8 cars on the west side, however, the west side also has driveways that can hold multiple cars. He advised that it makes sense to prohibit parking on the east side and allow parking on the west side. Mr. Collins also provided wording for the parking restriction.

MOTION was made, seconded, duly VOTED to REFER to Chief Giorgi to prepare the regulation to restrict parking on the East side for a vote at the next meeting.

3j) 2018 Traffic Commission Meeting Schedule.

The Traffic Commission Meetings in 2018 will be changed from the last Tuesday of each month to the last Wednesday of each month, unless otherwise noted. Tim Collins asked if the location could be changed from the City Council Meeting Room to Memorial Hall. This would allow him to use the street view and overhead projector rather than handouts at the meetings. Lisa Thomas advised that the request to change the location would need to be sent to Karen Boule, City Council Secretary. She is the one who schedules that location. The dates and times can then be reserved for the year.

MOTION was made, seconded, duly VOTED to REFER to Chief Giorgi to communicate with Karen Boule on the request to change the venue.

That there being no further business of the Traffic Commission held on this date, the meeting adjourned at 10:48 am.

Respectfully submitted,

Karen L. Lambert
Records Clerk
Marlborough Police Department

List of documents and other exhibits used at the meeting:

-City of Marlborough Meeting Posting with Agenda for Traffic Commission Meeting on December 19, 2017 at 10:00am.

-Draft of Traffic Commission Minutes from Tuesday, November 28, 2017.

-Items requiring feedback, from Mayor and DPW Commissioner, dated 11/16/17.

-Email from Nick Blundo to Chief Giorgi, dated 12/13/17, re: Traffic and Speeding on Rte. 85.

-Amended regulation to the Vehicles and Traffic Section of the Rules and Regulations Manual adding additional definitions and language pertaining to Trailers and Recreational Vehicles.

-Amended regulation adding additional "Crosswalk Locations on Hildreth Street, Marlton Drive and Curtis Ave.

-Proposed Traffic Commission Meeting Schedule for 2018.

Additional Handouts:

-Items referred to the Traffic Commission from Face Book Complaints received by the Mayor's Office including GIS aerial photos,

-Email from Margaret Blundo to Chief Giorgi, dated 12/15/17, re: Intersection of Greendale & John Street.

- Email from Margaret Blundo to Chief Giorgi, dated 12/15/17, re: Intersection of Maple & John Street needs to have traffic light.
- Draft of proposed language for new regulation regarding recreational vehicles and trailers from Legal Dept.
- Memo from Tim Collins to the Traffic Commission, dated 12/19/18, re: Traffic Calming Measures.
- GIS Diagram of Northboro Rd. East with information on "Thickly Settled".
- GIS Diagram of Water Terrace with number of parking spaces available on either side indicated along with wording for revised regulation for "no Stopping, Standing or Parking anytime.
- Photo of example of 3D crosswalk.
- City Council Order accepting Section 17C of Ch. 90 of the Massachusetts General Laws, as amended.

Karen Lambert

From: N. Paul TonThat <nptonthat@gmail.com>
Sent: Friday, December 22, 2017 10:17 AM
To: David Giorgi
Cc: Helen Donis-Keller
Subject: Requests for Parking Changes on Lincoln and Winthrop Street
Attachments: 406Lincoln.PDF

Dear Chief,

We at the Renaissance Loft (406 Lincoln Street) are requesting two parking changes on the streets abutting our development.

1) We are requesting that parking on Lincoln Street along our development be limited to 2 hours. This will assist the soon to be reopened Coffee Loft to manage their customer's short term parking needs. This area is marked in orange on enclosed drawing.

2) We are requesting that parking within 20 ft of our loading area on Winthrop Street is not allowed on Tuesdays. We need the open sidewalk to place the recycling bins for pickup. This area is marked in green on the enclosed drawing.

Please let us know how to best proceed with our request and thank you for your help.

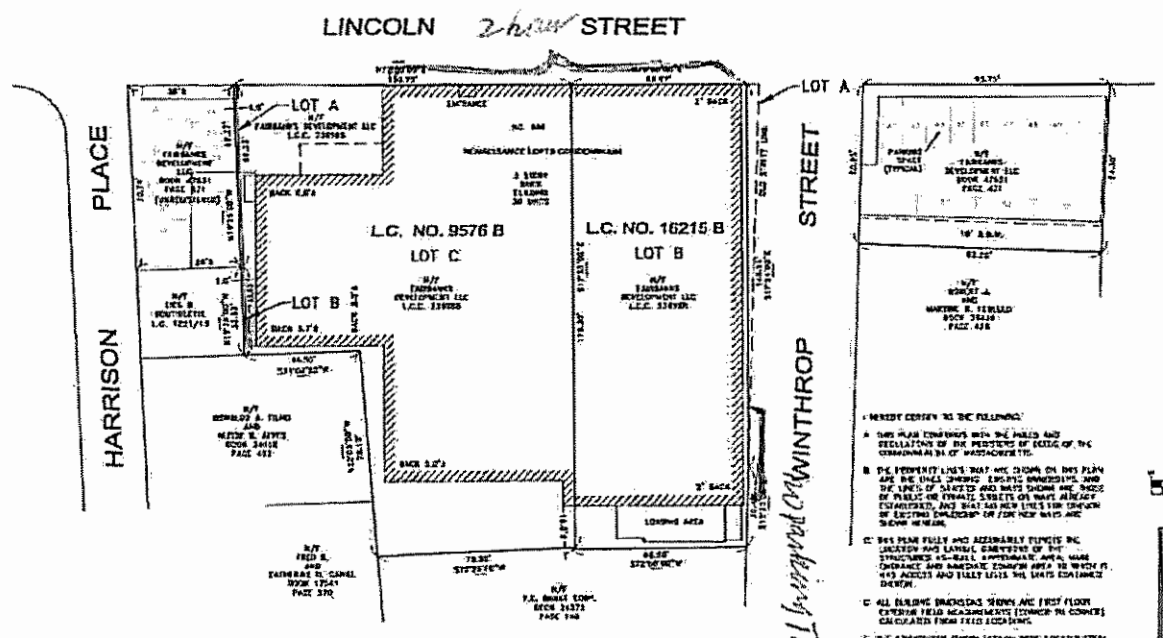
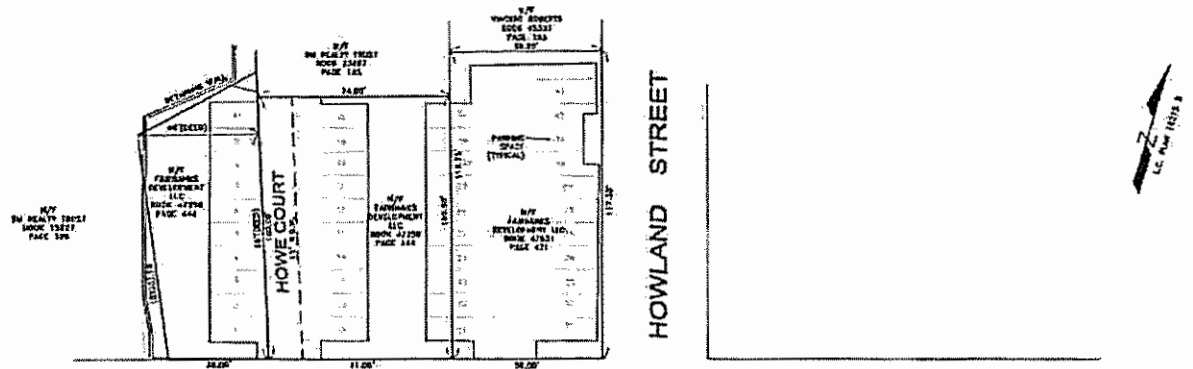
Warmest Regards and Happy Holidays,

Paul

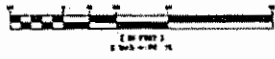
N. Paul TonThat
Treasurer
Renaissance Loft Board of Trustees
617 230 2204

Paul

N. Paul TonThat



- REFERENCED TO THE FOLLOWING:
- A. THIS PLAN CONFORMS WITH THE RULES AND REGULATIONS OF THE DEPARTMENT OF REGISTRY OF THE COMMONWEALTH OF MASSACHUSETTS.
 - B. THE PROPERTY LINES SHOWN ON THIS PLAN ARE THE FINAL SURVEY LOCATIONS AND THE LINES OF GRADES AND SETBACKS ARE THE SPACES OF PUBLIC OR PRIVATE STRAIGHT OR CURVE ALLEYS OR DRIVEWAYS, AND SETBACKS AND NEW LINES OF CURB OR EXISTING DRIVEWAYS OR FOR NEW WAYS ARE SHOWN HEREON.
 - C. THIS PLAN FULLY AND ACCURATELY PLACES THE LOCATION AND LAYOUT OF ALL THE STRUCTURES AND LAYOUT OF ALL THE DRIVEWAYS AND ALLEYS AND IMEDIATE THEREON ARE TO BE WITH IT. ALL ACCESS AND EASES SHALL BE SHOWN AND DISTANCE THEREON.
 - D. ALL BUILDING BRACKETS, TERRACE AND FIRST FLOOR CEILING FLOOR MEASUREMENTS (TAKEN IN CORNER) SHOWN FROM FIELD LOCATIONS.
 - E. THE STRUCTURES SHOWN HEREON WERE LOCATED FROM AN INSTRUMENT SURVEY EXTENDING TO THE CORNER.



SEE PLAN OF LAND
**RENAISSANCE LOFTS
 CONDOMINIUM
 LINCOLN STREET
 MARLBOROUGH, MASS**
 SCALE: 1" = 10' FEBRUARY 8, 2018
 MAILED IN JOINTLY
 PROFESSIONAL LAND SURVEYOR
 35 BAYBERRY AVENUE
 LYNN, MA 01902
 (978) 686-1942

PROFESSIONAL LAND SURVEYOR DATE

218 (PARTIAL) OF MARLBOROUGH SHEET 1 OF 1

ALLOWED FOR PERSONAL USE

Karen Lambert

From: Ed Clancy
Sent: Friday, December 15, 2017 11:42 AM
To: David Giorgi; City Council
Subject: Crosswalk Stevens St.

Chief Giorgi,

I have received a request for a crosswalk in the vicinity of Upland Rd. and Stevens St. Could you place this request before the Traffic Commission at your next meeting and keep me informed as to its progress.

Ed Clancy City Councilor
Ward 6

Karen Lambert

From: David Giorgi
Sent: Tuesday, January 23, 2018 12:56 PM
To: Karen Lambert
Subject: FW: January - Traffic Commission meeting agenda
Attachments: Elm Street Reconstruction Project Crosswalk Locations language.docx; Elm and Pleasant 2017 changes.pdf; Mill Street - Central 12-16-15.docx

From: Timothy Collins
Sent: Tuesday, January 23, 2018 12:44 PM
To: David Giorgi <dgiorgi@marlborough-ma.gov>
Cc: Thomas DiPersio <tdipersio@marlborough-ma.gov>; John Ghiloni <jghiloni@marlborough-ma.gov>
Subject: January - Traffic Commission meeting agenda

For next Traffic Commission meeting

As part of the Elm Street Reconstruction Projects, sidewalks were constructed and now need to be on the Crosswalk Schedule.

The signalized intersection was updated and the timing was changed. These changes are highlighted on the second attachment and should be approved by the Traffic Commission as a change to the signal permit.

Language to be used to delete Elm Street, westbound at Pleasant Street from the schedule for No Right on Red

Mill Street was reviewed back in 2015 and changes were made that never made into the revised regulations. The signs are up. We should discuss whether or not this needs to be re-voted or not.

One more item for discussion – Changing the flashing beacon at the crosswalk on Granger Blvd. at liberty to a signalized pedestrian crossing.

Let me know if you have any questions.

Timothy F. Collins
Assistant City Engineer
tcollins@marlborough-ma.gov
office: (508) 624-6910 Ext 33203
cell: (774) 463-9023

§ 586-53. Schedule IX: No Stopping, Standing or Parking Anytime

No person shall stop, stand or park a vehicle upon the following streets or highways or parts thereof:

EXISTING REGULATION

Name of Street	Side	Location
Mill Street – Central	Both	Beginning 300 feet south of Comtois Drive and continuing to a point 20 feet north of Comtois Drive.

PROPOSED CHANGE IN THE REGUALTION

Name of Street	Side	Location
Mill Street – Central	South	Beginning 300 feet south of Comtois Drive and continuing to a point 20 feet north of Comtois Drive.
Mill Street – Central	North	Beginning 300 feet south of Comtois Drive and continuing to a point 270 feet north of Comtois Drive.

NEW REGUALTION

Mill Street – Central	South/East	Beginning at a point where there is a bend in the roadway, 250 feet north of Comtois Drive and continuing westerly for 40 feet.
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Let me know if you have any questions.

Timothy F. Collins
Assistant City Engineer
tcollins@marlborough-ma.gov
office: (508) 624-6910 Ext 33203
cell: (774) 463-9023

Karen Lambert

From: Daniel R. Verrico <drverrico@gmail.com>
Sent: Friday, January 12, 2018 9:52 AM
To: Police Dept; Jan Keith
Subject: Traffic Commission Meeting

Dear Chief Giorgi,

As the suggestion of Lisa Thomas, I am reaching out to you to request us be present and on the agenda of your next Traffic Commission meeting on Wednesday January 31st.

The reason for my request is that my home is the first house on the right on Wilson Street when a vehicle comes around the corner from Hemmenway.

The speeding problem continues to get worse and two years ago we were promised some form of traffic control to be in place to mitigate that problem.

Nothing has been done, only unfulfilled promises.

I am more than happy to provide details in person. John Ghioni is fully aware of this issue as he and Lisa were on the commission the last time we were there.

I look forward to hearing from you.

Thank you,
Dan Verrico
266 Wilson Street
508 460 0656
cell 508 726 3415

Daniel R. Verrico, CLU, LUTCF
Insurance Professional
508-726-3415

Alexis Chin
620 Farm Rd.
Marlborough, MA 01752

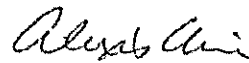
January 12, 2018

Chief David Giorgi
Chief of Police
355 Bolton Street
Marlborough, MA 01752

Dear Chief Giorgi,

I would like to request that the Traffic Commission conducts an observational study of people making left-hand turns exiting both Val's plaza and the Brasileirinho Bakery and Restaurant across two lanes of traffic onto Route 20, a state highway. I strongly feel that two no-left-turn signs or physical barriers be placed at those locations because I have witnessed accidents there and have been a part of a some near-accidents because other drivers are trying to take a left across two lanes and a double yellow line and quickly sneak between oncoming cars. While a mandatory right hand turn at these locations may slightly inconvenience patrons of these establishments, a left turn across two lanes of a state highway and a double yellow line is already illegal. Whether there needs to be more enforcement, signs, or physical barriers at these locations, I thank you for your attention to this matter.

Sincerely,


Alexis Chin

SEQUENCE AND TIMING CHART FOR FULLY-ACTIVATED TRAFFIC SIGNAL CONTROL

APPROACH	CONNECTOR	HOUSING	PHASE														PLASMAPT OPERATION	PHASE													
			1	2	3	4	5	6	7	8	9	10	11	12	13	14		15	16	17	18	19	20	21	22	23	24	25	26	27	
ELM STREET	EB	CB																													
ELM STREET	WB	AB																													
PLEASANT STREET	WB	CB																													
PLEASANT STREET	EB	CB																													
PEDESTRIAN	ALL	CB																													

PRE-EMPTION PHASING AND PRIORITY

PHASE	PHASE	PHASE	PHASE	PHASE	PHASE	PHASE	PHASE
PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8

- RAILROAD CROSSING**
ELM STREET IMPROVEMENTS
TRAFFIC SIGNAL PLANS - 2
SHEET 5 OF 8
- REFERENCE - TRAFFIC NOTES:**
1. AUTOMATIC FLASHING OPERATIONS PER ALL U.C.D. SECTION 802.1.
 2. PEDESTRIAN PHASE UPON PUSH BUTTON ACTIVATION ONLY.
 3. MAXIMUM 11" FREE OPERATION.
 4. MAXIMUM 11" FREE AM - FREE AM.
 5. IF THE ASSIGNED RIGHT OF WAY FOR ANY TRAFFIC MOVEMENT IS TO REMAIN IN EFFECT DURING THE NEXT CALLED PHASE, THE SIGNAL INDICATION FOR THAT TRAFFIC MOVEMENT WILL NOT CHANGE DURING THE CLEARANCE INTERVAL.
 6. THE RIGHT OF WAY MAY BE ASSIGNED TO ANY PHASE OR ANY COMBINATION OF NON-CONFLICTING PHASES.
 7. IF CALLS EXIST IN ALL PHASES, THE ASSIGNMENT OF RIGHT OF WAY SHALL BE IN ACCORDANCE WITH THE PREPREFERENTIAL PHASE SEQUENCE.
 8. IF THE ASSIGNED RIGHT OF WAY FOR ANY TRAFFIC MOVEMENT IS TO CHANGE DURING THE NEXT CALLED PHASE, THE SIGNAL INDICATION FOR THAT MOVEMENT WILL DISPLAY THE APPROPRIATE CLEARANCE INTERVAL.

RED FIGURES - EXISTING PERMIT

EMERGENCY VEHICLE PRE-EMPTION NOTES:

1. EMERGENCY VEHICLE PRE-EMPTION SIGNALS SHALL BE OPTICALLY TRANSMITTED BY OPTICAL EMITTERS MOUNTED IN EMERGENCY VEHICLES AND RECEIVED BY OPTICAL DETECTORS LOCATED AT EACH INTERSECTION.
2. EMERGENCY VEHICLE PRE-EMPTION SIGNALS SHALL BE APPROVED ON A FIRST DETECTED FIRST SERVED BASIS.
3. EMERGENCY PRE-EMPTION SHALL OVERRIDE COOPERATION.
4. IN RESPONSE TO A PRE-EMPTION SIGNAL RECEIVED AT AN INTERSECTION BY OPTICAL DETECTOR (1) OR (2), (3), (4) THE CONTROLLER SHALL HOLD OR ADVANCE TO AND HOLD IN EMERGENCY VEHICLE PRE-EMPTION PHASE (A) (OR) (B), (C), (D) GREEN FOR A MAXIMUM OF TEN (10) SECONDS OR UNTIL PRE-EMPTION SIGNAL CHANGES. THE CONTROLLER SHALL THEN TRANSFER PRE-EMPTION PHASE CLEARANCE (AS NOTED IN CHART) AND RESUME SUBSEQUENT EMERGENCY VEHICLE PRE-EMPTION PHASES AS NECESSARY.
5. NORMAL CLEARANCE SHALL BE PROVIDED ON PHASES THAT ARE TO BE TERMINATED BY PRE-EMPTION DEMAND.
6. COOPERATION INTERVALS (PHASES) SHALL BE ILLUMINATED PRIOR TO ANY EMERGENCY VEHICLE PRE-EMPTION GREEN BEING.

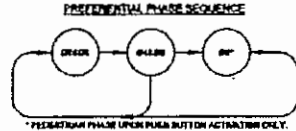
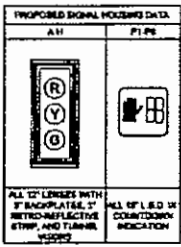
PLEASANT STREET AT ELM STREET
LIST OF MAJOR ITEMS REQUIRED

ITEM #	QUANTITY	DESCRIPTION
1	1	8015 2 TYPE 1 CONTROLLER IN A TYPE P BASE MOUNTED CABINET ON EXISTING FOUNDATION
1	1	MODIFIED SERVICE CONNECTION (UNDERGROUND) W/ LATERAL RISER, WEATHERHEAD, & DISCONNECT
1	1	15 POLE W/ 25' MAIST ARM, TYPE 2, W/ FOUNDATION
2	1	15 POLE W/ 25' MAIST ARM, TYPE 2, W/ FOUNDATION
1	1	15 POLE W/ 30' MAIST ARM, TYPE 2, W/ FOUNDATION
4	4	1" TS POST, W/ FOUNDATION
8	8	SIGNAL HEAD SECTION, 1" LED, MODULAR, 5" BACKPLATES W/ 3" RETRO-REFLECTIVE STRIP & TUNNEL VISOR
8	8	PEDESTRIAN SIGNAL HEAD, 1" LED, MODULAR, COUNTDOWN INDICATOR & REMOTE FLASHING DEVICES
8	8	PEDESTRIAN PUSH BUTTON (MOUNTED) W/ 18" x 4" SIGN SADDLES
1	1	SINGLE-POINT (DUAL-DIRECTIONAL) OVERHEAD VIDEO DETECTION CAMERA (OR ALTERNATE CAMERA SYSTEM)
1	1	VIDEO DETECTION CHASSIS & CABLEING
2	2	VIDEO PROCESSOR MODULES (1+1 SPARE)
1	1	1" VIDEO DETECTOR L.E.D. MOUNTED ON SWIVEL MOUNT
4	4	EMERGENCY PRE-EMPTION DETECTORS AND DETECTOR CABLEING
2	2	EMERGENCY PRE-EMPTION 2 CHANNEL PHASE SELECTORS
1	1	EMERGENCY PRE-EMPTION SYSTEM CHASSIS
1	1	EMERGENCY PRE-EMPTION STORAGE (PHASE LEAS)
1	1	GPS UNIT / STIC DEVICE INTERSECTION COORDINATIONS
1	1	FUNCTION MANAGEMENT UNIT (FMS)
2	2	SPARE B.U. (BUS INTERFACE UNIT)
3	3	OVERHEAD WIRE INSULATION AT MAIST ARM LOCATIONS
2	2	RAD TO POLE W/ MAIST ARM - DEMO FOUNDATION
1	1	RAD TO POST - DEMO FOUNDATION
1	1	RAD W/ TS POST - DEMO FOUNDATION
1	1	RAD TO CONTROLLER AND CABINET - DEMO FOUNDATION
8	8	RAD 3-SECTION SIGNAL HOUSING
8	8	RAD 3-SECTION SIGNAL HEAD
1	1	CONTROLLER PROGRAMMING & FINE TUNING
1	1	INTERSECTION CABLEING FOR NEW SIGNAL HEADS / PRE-EMPTION
1200 FT	1	3" COV 88 PVC CONDUIT
6	6	12" x 12" PSL1 BOX
1	1	12" x 12" ELECTRIC HAND HOLE
2	2	12" x 12" 116" AS RATED - REMOTE MOUNTED ON 15 EQUIPMENT

MODIFIED VIDEO DETECTOR DATA

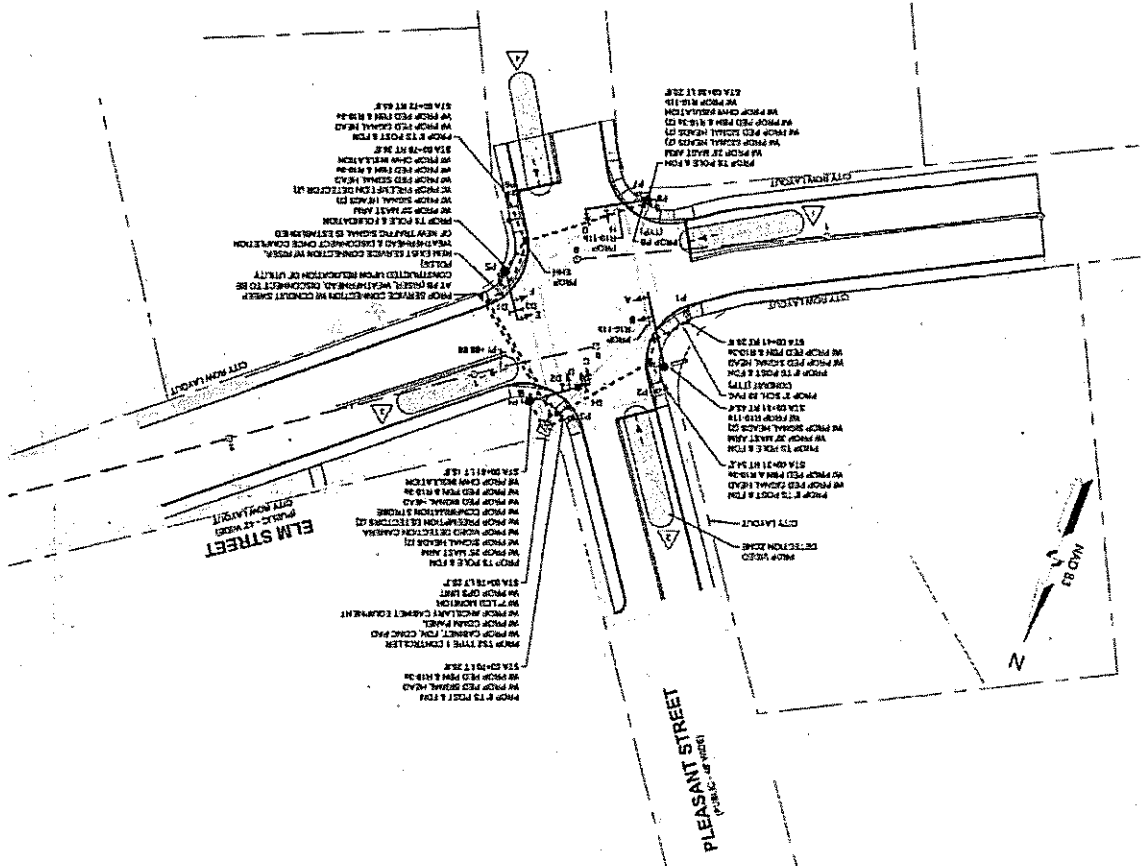
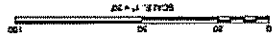
CAMERA NO.	DETECTORS NO.	NO. DETECTOR SUB	PHASE CALLED	PHASE REL.	RELAY ENCL.	OPERATIONS
D1	1	1	PHASE 1	04	0	PRESERVE
D1	2	1	PHASE 2	08	0	PRESERVE
D1	3	1	PHASE 3	08	0	PRESERVE
D1	4	1	PHASE 4	02	0	PRESERVE

VIDEO DETECTOR NOTES:
1. CALLS AND EXTENSION TRIMMING SHALL BE PROGRAMMED IN THE CONTROLLER ONLY.



- CONSTRUCTION NOTES:**
1. ALL BOXES AND HAND HOLES SHALL NOT BE LOCATED WITHIN 18" SLOPE RAMP.
 2. THE CONSTRUCTION SHALL CONFORM WITH MASSACHUSETTS DEPARTMENT OF TRANSPORTATION, HIGHWAY DIVISION SPECIFICATIONS UNDER OTHER TERMS NOTED.
 3. ALL SWEET AND FORSLYATHS SHALL CONFORM WITH MASSACHUSETTS DEPARTMENT OF TRANSPORTATION, HIGHWAY DIVISION, MAIST ARM & FOUNDATION DETAILS 3 (LANDING DRAWINGS), DATED DECEMBER 2016.
 4. ALL SIGNAL HEADS AND SIGNS SHALL BE PROTECTED MOUNTED.
 5. CONTRACTOR SHALL PROTECT THE TRAFFIC MARKINGS IN THE PRESENCE OF THE ENGINEER AND CITY OF WARE BUREAU REPRESENTATIVES FOLLOWING INSTALLATION.

PLAN NECESSARY CONDUIT, CABLE, LAMP, SIGNAL LAMP/UNIT MATERIAL AND EQUIPMENT TO COMPLETE THE INSTALLATION AND PROVIDE AN OPERATING TRAFFIC CONTROL SIGNAL.



- NOTES:
1. EXISTING PUBLIC UTILITIES SHALL BE RECONSTRUCTED TO THE PROPOSED RIGHT OF WAY OF TRAVEL, WITH THE ANCHOR POINTS OF THE RECONSTRUCTION PARALLEL TO THE EXISTING RIGHT OF WAY.
 2. MAJOR TRUNK LINES SHALL BE RECONSTRUCTED TO THE PROPOSED RIGHT OF WAY OF TRAVEL, WITH THE ANCHOR POINTS OF THE RECONSTRUCTION PARALLEL TO THE EXISTING RIGHT OF WAY.
 3. RECONSTRUCTION SHALL BE ACCORDING TO THE PROPOSED RIGHT OF WAY OF TRAVEL, WITH THE ANCHOR POINTS OF THE RECONSTRUCTION PARALLEL TO THE EXISTING RIGHT OF WAY.
 4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT TO BE RECONSTRUCTED AND RELOCATED TO THE PROPOSED RIGHT OF WAY OF TRAVEL.
 5. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT TO BE RECONSTRUCTED AND RELOCATED TO THE PROPOSED RIGHT OF WAY OF TRAVEL.
 6. CONSTRUCTION SHALL BE ACCORDING TO THE PROPOSED RIGHT OF WAY OF TRAVEL, WITH THE ANCHOR POINTS OF THE RECONSTRUCTION PARALLEL TO THE EXISTING RIGHT OF WAY.
 7. RECONSTRUCTION SHALL BE ACCORDING TO THE PROPOSED RIGHT OF WAY OF TRAVEL, WITH THE ANCHOR POINTS OF THE RECONSTRUCTION PARALLEL TO THE EXISTING RIGHT OF WAY.
 8. RECONSTRUCTION SHALL BE ACCORDING TO THE PROPOSED RIGHT OF WAY OF TRAVEL, WITH THE ANCHOR POINTS OF THE RECONSTRUCTION PARALLEL TO THE EXISTING RIGHT OF WAY.
 9. RECONSTRUCTION SHALL BE ACCORDING TO THE PROPOSED RIGHT OF WAY OF TRAVEL, WITH THE ANCHOR POINTS OF THE RECONSTRUCTION PARALLEL TO THE EXISTING RIGHT OF WAY.
 10. RECONSTRUCTION SHALL BE ACCORDING TO THE PROPOSED RIGHT OF WAY OF TRAVEL, WITH THE ANCHOR POINTS OF THE RECONSTRUCTION PARALLEL TO THE EXISTING RIGHT OF WAY.

ELM STREET IMPROVEMENTS TRAFFIC SIGNAL PLAN - 1 SHEET 3 OF 8

DATE: 11/15/2011 10:58:11 AM

§ 586-60.1. Crosswalk locations.

The following locations are designated as crosswalks:

Crosswalk on	Location	Direction of Pedestrian Travel	Linear Feet
Preston Street	at Elm Street	East-West	32'
Maplewood Ave.	at Elm Street	East-West	29'
Howland Street	at Elm Street	East-West	25'
Kirby Street	at Elm Street	East-West	19'
Norwood Street	at Elm Street	East-West	31'
Mechanic Street	at Hudson Street	East-West	36'
Hudson Street	at Mechanic Street	North-South	41'
Elm Street	at Mechanic Street	North-South	41'
Elm Street	at Mechanic Street	North-South	14'

Karen Lambert

From: David Giorgi
Sent: Tuesday, December 19, 2017 12:15 PM
To: Timothy Collins
Cc: Karen Lambert
Subject: Oakcrest Ave. sign request

Hi Tim,

I just spoke with Nicole Adamowicz regarding her sign request on Oakcrest Ave. and I explained the Commission's concerns about the wording of the sign. She agreed with your point that using "Handicapped Child Area" or words similar to that would be more effective and hopefully provide better protection to her children.

Thank you,
D. Giorgi

Chief David A. Giorgi
Marlborough Police Department
355 Bolton Street
Marlborough, MA 01752
Office: (508)485-1212 ext. 36974
Fax: (508)624-6938
FBI NA #234



**CITY OF MARLBOROUGH
TRAFFIC COMMISSION**

A regulation to amend the Rules and Regulations of the Traffic Commission of the City of Marlborough Chapter 586, as amended, thereof entitled VEHICLES AND TRAFFIC, Article VII, Section 53 Schedule IX: "No Stopping, Standing or Parking Anytime".

BE IT ENACTED BY THE TRAFFIC COMMISSION OF THE CITY OF MARLBOROUGH AS FOLLOWS:

Chapter 586 Section 53 Schedule IX of the Rules and Regulations of the Traffic Commission is hereby amended by **ADDING** to said schedule the following:

C.586-53 Schedule IX: No Stopping, Standing or Parking Anytime

No person shall stop, stand or park a vehicle upon the following streets or highways or parts thereof:

Name of Street	Side	Location
Water Terrace	West	Entire Length