

SELECTMEN'S MEETING
Wednesday, March 2, 2016
Estabrook Hall, Cary Memorial Building
7:00 PM

AGENDA

PUBLIC COMMENTS

Public comments are allowed for up to 10 minutes at the beginning of each meeting. Each speaker is limited to 3 minutes for comment. Members of the Board will neither comment nor respond, other than to ask questions of clarification. Speakers are encouraged to notify the Selectmen's Office at 781-698-4580 if they wish to speak during public comment to assist the Chairman in managing meeting times.

SELECTMAN CONCERNS AND LIAISON REPORTS

TOWN MANAGER REPORT

ITEMS FOR INDIVIDUAL CONSIDERATION

- | | | |
|----|---|---------|
| 1. | Approve Collective Bargaining Agreement - Public Works Union (5 min.) | 7:00 PM |
| 2. | Mothers Out Front/Sustainable Lexington Committee (25 min.) | 7:05 PM |
| | 1. Approve Letters to Utility Companies | |
| | 2. Approve Letter to Legislative delegation in support of raising SREC and NetMeter limits | |
| | 3. Presentation on Article 16 - Appropriate for Advice and Analysis - Getting to Net Zero | |
| 3. | Article Presentation - Community Preservation Committee (10 min.) | 7:30 PM |
| | 1. Article 8 - Appropriate for FY 2017 Community Preservation Committee Operating Budget and CPA Projects | |
| 4. | Article Presentations - Tree Committee (20 min.) | 7:40 PM |
| | 1. Articles 32 and 33 - Trees | |
| 5. | Road Reconfiguration Trials (25 min.) | 8:00 PM |
| | 1. Harrington Road one-way and closure | |
| | 2. Massachusetts Avenue at Waltham Street right-turn lane closure | |
| | 3. Massachusetts Avenue at Edison Way right-turn lane closure | |
| 6. | Results of the Traffic Calming on Shade Street (5 min.) | 8:25 PM |
| 7. | Discuss Articles for Annual Town Meeting Consent Agenda (5 min.) | 8:30 PM |
| 8. | Town Manager Appointment - Historical Commission (5 min.) | 8:35 PM |
| 9. | Selectmen Committee - Resignation - Community Farming Committee (5 min.) | 8:40 PM |

CONSENT AGENDA

- | | | |
|----|--|---------|
| 1. | Approve One-Day Liquor License - Mani's for Melanoma | 8:45 PM |
| 2. | Approve One-Day Liquor Licenses - Spectacle Management | 8:45 PM |

ADJOURN

1. Approximate Adjourn Time

8:50 PM

Hearing Assistance Devices Available on Request

*All agenda time and the order of items are approximate and
subject to change.*



AGENDA ITEM SUMMARY

LEXINGTON BOARD OF SELECTMEN MEETING

AGENDA ITEM TITLE:

Approve Collective Bargaining Agreement - Public Works Union (5 min.)

PRESENTER:

Denise Y. Casey, Director of Human Resources

ITEM NUMBER:

I.1

SUMMARY:

The Town and AFSCME DPW Local 1703 have reached a three-year collective bargaining agreement for the period of FY16-18. The Board of Selectmen previously approved this agreement in Executive Session on December 21, 2015. The AFSCME membership has recently voted to accept this contract settlement.

The substantive aspects of the Agreement provides for:

- A 2.5% cost of living adjustment in Fiscal Year 2016;
- A 2.0% cost of living adjustment in Fiscal Year 2017;
- A 1.0% cost of living adjustment effective 07/01/2017 and a 1.0% cost of living adjustment effective 01/01/2018 in Fiscal Year 2018;
- Change in the way clothing is provided, from a reimbursement basis to a vendor provided Quarter-Master system. Elimination of \$250.00 annual clothing allowance in exchange for one (1) time payments of \$250.00 in Fiscal Year 2017 and Fiscal Year 2018;
- Creation of a labor/management committee to select a vendor that will provide the Town with good quality and fitting work uniforms;
- The Town will conduct a Classification and Compensation Study of all positions covered by the contract by June 30, 2018. The cost of the study is included in the FY2017 budget request;
- Clarification that time granted from the sick leave bank is on a “rolling calendar” basis;
- Creation of a “cooling off” period prior to Step 1 in the grievance procedure; and
- Increasing the current snow/plowing overtime incentive from \$800 to \$1000 for zero (0) snow events missed; from \$400 to \$800 for one (1) snow event missed and \$300 to \$600 for two (2) snow events missed. The last time this incentive was increased was 2001.

SUGGESTED MOTION:

Move to approve and authorize the Town Manager to sign the collective bargaining agreement between the Town and the AFSCME DPW Local 1703 for the period of FY16-18.

FOLLOW-UP:

TMO/Human Resources will prepare final signature documents.

DATE AND APPROXIMATE TIME ON AGENDA:

3/2/2016

7:00 PM

ATTACHMENTS:

Description	Type
 MOU AFSCME	Backup Material

**Memorandum of Understanding
Between
The Town of Lexington
And
The Department of Public Works
AFSCME, Local 1703**

The Town of Lexington and the Lexington Department of Public Works, Local 1703, hereby agree to the following amendments to the collective bargaining agreement dated July 1, 2012 to June 30, 2015.

1. Classification and Compensation Study:

Pending Town Meeting approval of the Fiscal Year 2017 budget at the spring 2016 Town Meeting, the Parties agree to conduct a classification and compensation study of the positions represented by AFSCME Local 1703. The study will be conducted by an independent consultant and will be completed by the end of the duration of this agreement (June 30, 2018), unless both parties mutually agree to an extension.

The consultant will review the job descriptions and compensation for all positions included in Exhibit A. Once revised and accepted by the Union, the job descriptions will be incorporated into the collective bargaining agreement by reference.

2. Article 38, Effective Date and Duration: The agreement shall continue in effect to and including June 30, 2018.

3. Article 34, Wage Schedule:

34.1: Wages

- FY 2016 2.5% base wage increase, effective 07/01/2015
- FY 2017 2.0% base wage increase, effective 07/01/2016
\$250.00 one (1) time payment effective 10/2016 ⁽¹⁾
- FY 2018 1.0% base wage increase, effective 07/01/2017
\$250.00 one (1) time payment effective 10/2017 ⁽¹⁾
1.0% base wage increase, effective 01/01/2018

⁽¹⁾ Employees employed as of 10/01/2016 and 10/01/2017 shall receive a one (1) time payment in October 2016 and October 2017 of \$250.00 that may be used for clothing otherwise not provided by the Town or for any other purpose”.

4. Article 34.3 Wage Schedule

Add a paragraph at the end of Article 34.3.

“Employees who want to earn more than two (2) licenses, must seek prior approval from the Director of Public Works. Granting of a third (3rd) license shall be at the sole discretion of the Director.”

5. Article 40 Small Necessities Act

Add the following language:

“In accordance with MGL C. 149 Section 52D, employees are entitled to twenty-four (24) hours of unpaid leave during any twelve (12) month period, in addition to any leave available under the federal act (FMLA) to:

- (1) participate in school activities directly related to the educational advancement of a son or daughter of an employee, such as parent-teacher conferences or interviewing for a new school;
- (2) accompany a son or daughter (qualified dependent) of the employee to routine medical or dental appointments, such as check-ups or vaccinations; and
- (3) accompany an elderly relative of the employee to routine medical or dental appointments or appointments for other professional services related to the elder’s care, such as interviewing at nursing or group homes.”

Employees may use accrued vacation or for those eligible for personal leave, personal leave for items (1) and (3). Employees may use accrued sick, vacation or personal leave for item (2).”

6. Article 41 Parental Leave

“Per M.G.L. Chapter 149 Section 105D, an employee who has completed their probationary period shall be entitled to eight (8) weeks of parental leave for the purpose of birth of a child or for the placement of a child under the age of eighteen (18), or under the age of twenty-three (23) if the child is mentally or physically disabled, for adoption with the employee who is adopting or intending to adopt the child; provided, however, that any two (2) employees of the same employer shall only be entitled to eight (8) weeks of parental leave in aggregate for the birth or adoption of the same child. The employee shall give at least two (2) weeks’ notice to his/her supervisor of his/her anticipated date of departure and intention to return, shall be restored to his/her previous, or a similar, position with the same status, pay, length of service credit and seniority, wherever applicable, as of the date of the leave.

Parental leave may be with pay in accordance with the leave provisions of this collective bargaining agreement. While on unpaid parental leave, employees will not accrue other leave benefits and the amount of time spent on leave shall not be included in the computation of continuous service, but shall not be deemed to be a break in service. Use

of unpaid parental leave shall change the employee's step date for the purpose of future salary step increases and longevity payments."

7. Article 23 Personal Leave

Add the following paragraph as 23.3:

"New employees will have their Personal Leave pro-rated based on:

Hire Date July 1 to December 31	3 Personal Days
Hire Date January 1 to March 31	2 Personal Days
Hire Date April 1 to June 30	1 Personal Day"

8. Article 11.5 Job Posting

Replace with, "An employees who is promoted shall have a revised anniversary date for the purposes of future step increases. An employee's promotion date becomes the new anniversary date for future step increases. An employee who is promoted is eligible for a step increase twelve months following the date of promotion and annually thereafter."

9. Article 26 Uniform and Protective Clothing

The Town and the Union shall form a labor/management committee to review the uniform and protective clothing program vendor and specifications. The committee shall consist of two (2) members of the Union and two (2) members of management. The committee's findings shall be made to the Director of Public Works who shall make the final decision of the selected clothing and vendor.

The current Uniform and Protective Clothing language will remain in place until July 1, 2017 at which time the above language will be implemented.

Replace the entire article with the following:

Article 26 Uniforms and Protective Clothing

"26.1: Employees required to wear a uniform, protective clothing, or any type of protective equipment as a condition of employment, such uniform, protective clothing or protective equipment shall be furnished by the Employer.

The Town will provide each employee with 7 sets of good quality and fitting work grade uniforms. A set consists of a pair of long pants/shorts and a shirt. Employees have the option to choose from a combination of light, medium, and heavy grade pants and long and short sleeve shirts. The shirt color will be light blue and pants/shorts dark blue. The Equipment Division will have dark blue shirts. Each shirt will have a script "Town of Lexington" with the Division name in dark blue over the left pocket and the employee's

call name over the right pocket. The Town will purchase these uniforms and the uniform vendor will be responsible for the cleaning and maintenance of such uniforms. Employees will be responsible for reporting damaged clothing to the vendor for replacement.

In addition, the uniform complement will be supplemented by issuing each employee:

- a) 1 pair of coveralls or overalls;
- b) 1 heavy and 1 light coat;
- c) 3 sweatshirts or sweaters; and
- d) 7 t-shirts (the colors will be light blue, and/or lime green reflective type safety t-shirts).

Employees will not receive, in any given fiscal year, more articles of clothing than the amount listed above unless they have the express written permission of the DPW Director or designee.

26.2: Employees shall be eligible for reimbursement for up to \$250 for purchase of approved safety shoes meeting current OSHA specifications as amended from a vendor or vendors designated by the employer. Exception will be made for purchase of work shoes if approved by the Director of Public Works or his designee. Reimbursement shall be made upon proof of purchase and need to be made by June 1st of each year. Such reimbursement is in addition to the articles of clothing set forth in paragraph 26:1.

26.3: Employees at the discretion of their supervisor and approval of the Director of Public Works may wear shorts. Shorts may be substituted as part of the uniform sets referenced in paragraph 26:1. Shorts are prohibited where safety is a concern or where their appearance detracts from the professionalism of the organization. Employees may purchase their own shorts at their expense, so long as they fit loosely, are navy blue in color, and must extend to two inches above the knee in length. No short-shorts or cut-offs may be worn.

26.4: Employees must have appropriate attire available at any given time to execute all the duties associated with assigned tasks and/or projects. An employee may be refused work without pay until he/she obtains appropriate clothing/uniform except in unusual circumstances where the employee would have no reasonable expectation for the requirement.

26.5: The Employer agrees to provide all material, equipment, and tools required to perform the duties assigned to the employees covered by this Agreement.

26.6: Employees may continue to wear existing clothing, purchased prior to the implementation of the vendor program, provided it is in good repair as deemed by the superintendent.”

Add the following language to the end of Article 26:

26.7: "Clothing provided by the Town of Lexington for employees covered under this CBA is a requirement of the employee's position. All clothing purchased is approved by the immediate supervisor and complies with IRC Reg. §1.62-2(d) as a working condition fringe benefit. Employees are required to produce substantiation of clothing expenses prior to reimbursement. Clothing purchased by the Town for employees is for work purposes only and employees are prohibited from wearing clothing, shoes, or other items issue by the Town or reimbursed by the Town outside of the workplace other than as part of their commute to and from their worksite."

10. **Article 12.3 Hours of Work**

Add the following to Section 12.3

"Employees who voluntarily perform special assignments which require a change of shift can work one of the following schedules as agreed to with their respective Superintendent.

The following planned work (non-emergency) assignments will be limited to the following assignments. In the event that the Town is unable to secure volunteers for the following assignments, the Town reserves the right to utilize contractors for such assignments.

1. Street Painting;
2. Fire Hydrant Flushing; and
3. Street Light Maintenance.

The agreed to schedule shall be followed for the duration of the assignment. If the assignment is for one day then the employee can choose either option for that one day.

1A. Daily: 11:00pm to 7:00am differential	8 hours regular time and 2 ¾ hours
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1B. Weekly Shift:	
Sunday 11:00pm – 7:00am differential	8 hours regular time and 2 ¾ hours
Monday 11:00pm – 7:00am differential	8 hours regular time and 2 ¾ hours
Tuesday 11:00pm – 7:00am differential	8 hours regular time and 2 ¾ hours
Wednesday 11:00pm – 7:00am differential	8 hours regular time and 2 ¾ hours
Thursday 11:00pm – 7:00am differential	8 hours regular time and 2 ¾ hours

2A. Daily: 9:00pm – Noon ¾ hours differential	8 hours regular time, 7 hours overtime and 2
2B. Weekly Shift:	
Sunday 9:00pm – Noon ¾ hours differential	8 hours regular time, 7 hours overtime and 2
Monday 9:00pm – Noon ¾ hours differential	8 hours regular time, 7 hours overtime and 2
Tuesday 9:00pm – Noon ¾ hours differential	8 hours regular time, 7 hours overtime and 2
Wednesday 9:00pm – Noon ¾ hours differential	8 hours regular time, 7 hours overtime and 2
Thursday 9:00pm – Noon ¾ hours differential”	8 hours regular time, 7 hours overtime and 2

11. **Article 30 Tuition Plan**

Add the following language to Article 30:

“For federal tax purposes, employees can exclude from gross income education benefits paid or incurred on their behalf by their employer under a qualified educational assistance program. Other employer reimbursements for work-related education may be excluded from income if they are provided under an accountable plan or qualify as working condition fringe benefits; otherwise, they are included in income and taxed as compensation. Reference IRC Reg. §1.117(d).

12. **Article 21.6 Sick Leave Bank**

D4. Delete the words “per fiscal year” and replace with “rolling twelve (12) month period”.

13. **Article 7.5 Grievance and Arbitration**

Add the following paragraph before Step 1.

“Cooling-Off” Period

“Whereas grievances are sometimes the result of miscommunication and/or misinformation, a period of ten (10) working days from the date of the grievance or the employee’s knowledge of its occurrence may be used for conflict resolution. The Union must notify the Director of Public Works, within two (2) working days from the date of the grievance or the employee’s knowledge of its occurrence that it wishes to take advantage of the ten (10) day “cooling-off” period, which shall then begin. If the Union chooses to file a grievance at the end of the “cooling-off” period, the Step 1 grievance must be filed within four (4) working days following the conclusion of the “cooling-off” period.

The potential grievant, and the Director of Public Works or a designee, will meet as soon as possible to discuss the grievance. A cooperative effort will be made to identify the problem and find a suitable solution. At the conclusion of the conflict resolution period, the potential grievant may file a grievance without prejudice. The Union may forward the grievance to Step 1 prior to the expiration of the ten (10) working days conflict resolution period or, by mutual agreement, the parties may extend the conflict resolution period beyond ten (10) working days.”

Modify Step 1 as follows:

Add the following to the end of the first sentence:
“, unless the aggrieved employee or employees have invoked the “cooling-off” period. If the “cooling off period” has been invoked, the aggrieved party will have four (4) working days following the conclusion of the “cooling-off” period to file the Step 1 grievance”.

14. Article 34 Snow Plowing

Replace existing language with:

34.4: Snow/Plowing Overtime Incentive
“Employees covered by this agreement will receive \$1,000 if they report when called to all snow plowing operations; \$800 if they report when called to all but one (1) snow plowing operation; \$600 if they report when called to all but two (2) snow plowing operations and \$0 thereafter.

This does not include sanding and snow hauling operations.

The revised language in article 34.4 will have a sunset provision of June 30, 2018.”

Signed this _____ day of _____ 2016

Town of Lexington

Department of Public Works, Local #1703

Carl F. Valente
Town Manager

Andrew Orfanos
President

Witness

Witness

AGENDA ITEM SUMMARY

LEXINGTON BOARD OF SELECTMEN MEETING

AGENDA ITEM TITLE:

Mothers Out Front/Sustainable Lexington Committee (25 min.)

PRESENTER:

Mark Sandeen, Chair, Sustainable
Lexington Committee, Lisa
Fitzgibbons, Mothers Out Front

ITEM NUMBER:

I.2

SUMMARY:

Attached are two letters that were unanimously approved by the Sustainable Lexington Committee during our meeting on February 23, 2016 that they recommend the Board approve, sign and send.

Also attached – for background purposes – is the recommendations that the Sustainable Lexington Committee made to the Board of Selectmen regarding natural gas leaks in November of 2015. By sending the natural gas letter the Board of Selectmen will be moving forward on 4 of those recommendations.

Also attached is a solar briefing providing background on the current status of solar legislation in Massachusetts.

There will also be a presentation on Article 16.

SUGGESTED MOTION:

Motion to send the proposed letter, as presented, to the Senate President, Speaker of the House, and Governor asking for their support on: eliminating the net metering caps, maintaining a fair value for net metering credits, rapidly introducing a follow-on solar incentive program and protecting existing solar customers by grandfathering them under current solar policy.

Motion to send a letter to National Grid requesting they address the continuing problem of natural gas leaks in Lexington.

FOLLOW-UP:

DATE AND APPROXIMATE TIME ON AGENDA:

3/2/2016

7:05 PM

ATTACHMENTS:

Description	Type
☐ Update on Solar	Presentation
☐ Proposed Solar Letter	Backup Material
☐ Natural Gas Recommendations	Backup Material
☐ Letter Regarding Natural Gas	Backup Material
☐ Presentation on Article 16 - Appropriate for Advice and Analysis - Getting to Net Zero	Cover Memo

Solar is working for Massachusetts

Solar is delivering a range of economic, environmental and social benefits to Massachusetts communities and ratepayers

- **\$1** invested in solar yields **\$2.20 to \$2.70** in benefits (*Source: Net Metering and Solar Task Force*)
- Solar supports over **15,000 jobs**
- **899 jobs** in Lexington's 3rd and 4th Middlesex districts
- **36,000+** solar systems installed
- Solar provides long-term stable, predictable energy costs for Massachusetts businesses, protecting jobs



The Commonwealth at-large receives a total of \$10.2 billion in net benefits from solar compared to net costs of \$4.5 billion (*Source: NMSTF [report](#), pg 195*)

Solar is working for Lexington

Lexington's 1.1 MW Solar Rooftop Project 5 Schools and Town Library

- **\$5.6 million** savings over 25 years
- **\$800,000** in health benefits
- **1.3 million kWh** insulated from winter energy price spikes
- Provides **15%** municipal electricity demand, enough to power 175 homes



Solar is on hold across entire state

Why?

- Net metering caps stalled solar across more than half of Massachusetts
- NSTAR cap will be hit in 1 – 2 months
- Over \$500 million of projects on hold
- SREC II program closed for all but smallest projects on February 1st.
- SREC II program for small projects will run out in 1 – 2 months.



Caps have been hit in National Grid & Unitil territories

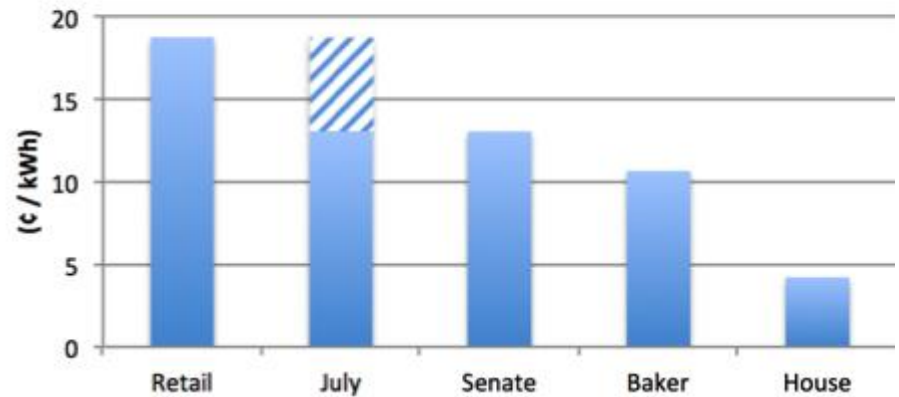
Fair compensation for net metering is critical

Proposed legislation arbitrarily cuts net metering credit values 20% - 75%

- NO consideration for solar benefits
- NO consideration of project economic viability
- Rolls solar policy back to before Global Warming Solution Act



Proposed Net Metering Credit Values



Lexington Rooftop

Current savings: \$141,500 / yr

Gov. bill savings: -\$ 35,000 / yr

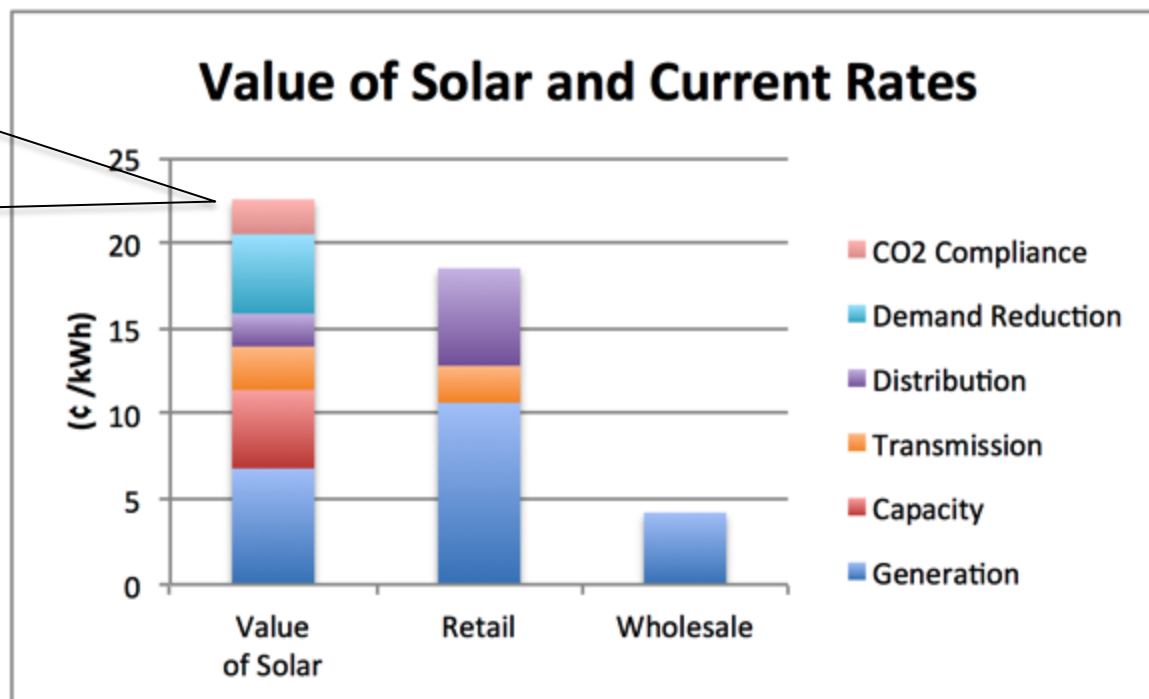
House bill savings: -\$ 96,000 / yr

Wholesale isn't fair payment for solar

Paying solar wholesale rates means paying solar **LESS THAN** wholesale generators, e.g. natural gas plants, who earn additional revenue from other payments

Studies show solar electricity is worth **MORE THAN** both wholesale and retail rates

Acadia Center study shows the value of solar to the grid ranges from 22-28 cents/kWh



Hon. Stanley C. Rosenberg, Senate President
Hon. Robert A. DeLeo, Speaker of the House
HE. Charlie Baker, Governor of Massachusetts

Re: Sustainable Solar Policy

Dear President Rosenberg, Speaker DeLeo and Governor Baker:

The Lexington Board of Selectmen wishes to express our appreciation for the efforts of the Administration and the Legislature to ensure that the Commonwealth continues to lead the nation in energy efficiency and renewable energy. We understand that a balanced, long-term energy plan with a range of energy sources providing safe, efficient and uninterrupted energy delivery is essential if we want to maintain and improve our economic growth and provide a high quality of life for our residents. We appreciate the efforts of you and your colleagues to comprehensively address our energy issues.

Electricity from solar must be a key part of this picture. In recent years, Massachusetts has become a leader in solar development, with over 985 megawatts of installed solar capacity statewide. Local efforts in cities and towns, like Lexington, to host solar installations on residential, commercial, and municipal property has been the bedrock of this success, creating over 15,000 jobs in Massachusetts, including over 4,200 jobs in Middlesex County alone. This is clear evidence that the policy framework established by the Green Communities Act and the Global Warming Solutions Act in 2008 has served us well.

The Town of Lexington completed the installation of a 1.1 MW rooftop solar project on 5 municipal schools and our public library in December 2014. We have recently approved the construction of a 2.2 MW ground mount solar project at the Town's Composting Facility. These two projects will produce roughly the equivalent of 45% of the Town's municipal electricity demand. In addition, 310 Lexington residents have installed 2.3 MW of solar on their homes, including 162 Lexington residents who installed 1.14 MW of privately-owned residential solar as part of the Commonwealth's Solarize Massachusetts program.

However it is with great concern that we are writing you. The Massachusetts solar industry is currently at a near standstill due to legislatively imposed net metering caps and the very recent termination of the SREC II incentive program for solar energy systems larger than 25kW. The net metering caps have stalled municipal and private projects in 171 communities in National Grid's service territory for the last 11 months. We expect projects in NSTAR's service area, which includes Lexington, will hit their cap limits within the next two months. In addition, 50% of the SREC II program capacity that was set aside for small systems has disappeared in the last 6 weeks. Once the SREC II capacity is gone, this will effectively eliminate the possibility of any new solar projects in Lexington – or anywhere else in the Commonwealth.

We are also concerned that some of the recent legislative proposals for addressing these issues have proposed imposing new charges on existing solar installations and retroactively reducing the net metering credit value host customers would receive for the solar electricity they produce. We would ask that any new solar legislation would protect host customers like the Town of Lexington and our residents by grandfathering existing solar installations under current solar policy terms and conditions.

Second, the value of net metering credits must be kept at a reasonable level. The most recent solar bills under consideration would dramatically decrease the value of net metering credits. Our municipal projects would not have been economically viable at any of the most recently proposed net metering rates. We are concerned that these proposed changes in net metering policy would risk the viability of any future projects.

Third, the SREC II incentive program has ended well in advance of achieving the Commonwealth's solar goals. We strongly support the rapid introduction of a follow on program that lowers overall costs while allowing Massachusetts to achieve our long-term solar goals and to take full advantage of the federal tax credits that have been extended.

In summary, the Lexington Board of Selectmen asks you to support (1) eliminating the net metering caps, (2) maintaining a fair value for net metering credits, taking into account project size and type, with full rates for projects under 25kW, municipal projects, low-income projects, and community solar projects, (3) rapidly introducing a follow-on solar incentive program, and (4) protecting existing solar customers by grandfathering them under current solar policy.

The time to act on global warming is now. Please do everything in your power to help achieve a 100% clean energy economy in Massachusetts.

Thank you very much.
Sincerely,

Lexington Board of Selectmen

CC:

HE. Charlie Baker, Governor

Hon. Michael Barrett, Senator

Hon. Kenneth Donnelly, Senator

Hon. Jay Kaufman, Representative,

Hon. Thomas H. Golden, House Chair, Joint TUE Committee

Senate Chair: Hon. Benjamin P. Downing, Joint Conference Committee

House Chair: Hon. Brian Dempsey

Senate Minority Member: Hon. Bruce E. Tarr

House Minority Member: Hon. Bradley H. Jones, Jr.

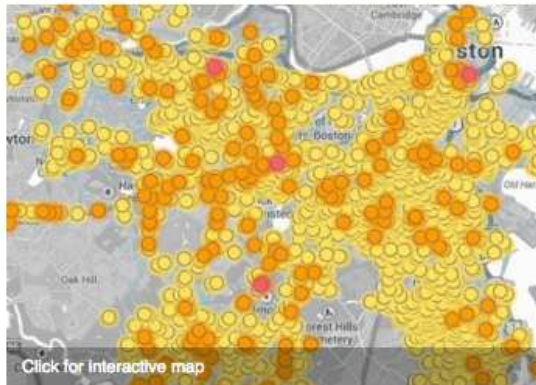
Sustainable Lexington Committee Recommendations to Board of Selectmen
Subject: Natural Gas Leaks

- 1) A recent study conducted by Boston University has determined that 2.7% of the natural gas in the Boston area is leaking out of the area's distribution pipeline.
- 2) That leakage rate will almost double the amount of Lexington's greenhouse gas emissions from natural gas, from 12% of total emissions with no leaks to 22% of total emissions.
- 3) Natural gas is primarily methane, a very powerful greenhouse gas with 86 times the Global Warming Potential of CO₂ over a twenty-year time frame.
- 4) The Boston area has 1 leak for every mile of road, while the Indianapolis area has 1 leak for every 200 miles of road. This is largely due to the age of the two pipelines.
- 5) The utility has documented 93 unrepaired leaks in Lexington. The oldest known leak in Lexington is 24 years old. Many gas leaks in Lexington are not included in this database.
- 6) Currently the utility is only required to fix leaks that it considers to be an explosion hazard. They do not need to fix leaks that they determine are not an immediate hazard. As a result, many leaks go unrepaired for years.
- 7) Consumers pay for the leaks. The utility has little incentive to fix leaks that are not an immediate hazard.
- 8) Natural gas leaks also have health impacts on humans and trees. Several towns are currently suing the utility to recover costs of street trees killed by natural gas leaks. The extent of natural gas leaks in Boston was discovered because the leaks were killing street trees.
- 9) Natural gas leaks also aggravate asthma and other respiratory conditions. Asthma is one of the leading causes of school absenteeism.
- 10) Reducing the leaks would also reduce the need for additional pipelines.

Recommendations:

- 1) Include natural gas emissions leaks in the Town's greenhouse gas inventory. This would include reports required under the Green Community Act and in the Town's Sustainability Action Plan.
- 2) Ask the utility to provide the Town with an inventory of the natural gas distribution pipeline in Lexington including:
 - a. Maps showing the location of all pipelines
 - b. Material and age of all pipelines
 - c. Maps showing leaks and leakage rates in the Town
- 3) Ask the utility to convene a working group to establish communication channels with the Town to coordinate natural gas pipeline repair with scheduled road & sewer replacement work.
- 4) Ask the utility to provide their estimate of lost and unaccounted natural gas in Lexington.
- 5) Ask Town's representatives to support legislation (HB 2870 & HB 2871) that would require the utilities to cover the cost of natural gas leaks and stop passing that cost on to ratepayers and that leaks are repaired whenever roads are opened for other repairs.
- 6) Assess whether the Town has found any damage to street trees from natural gas leaks
- 7) Hold a Public Hearing to raise public awareness of this issue

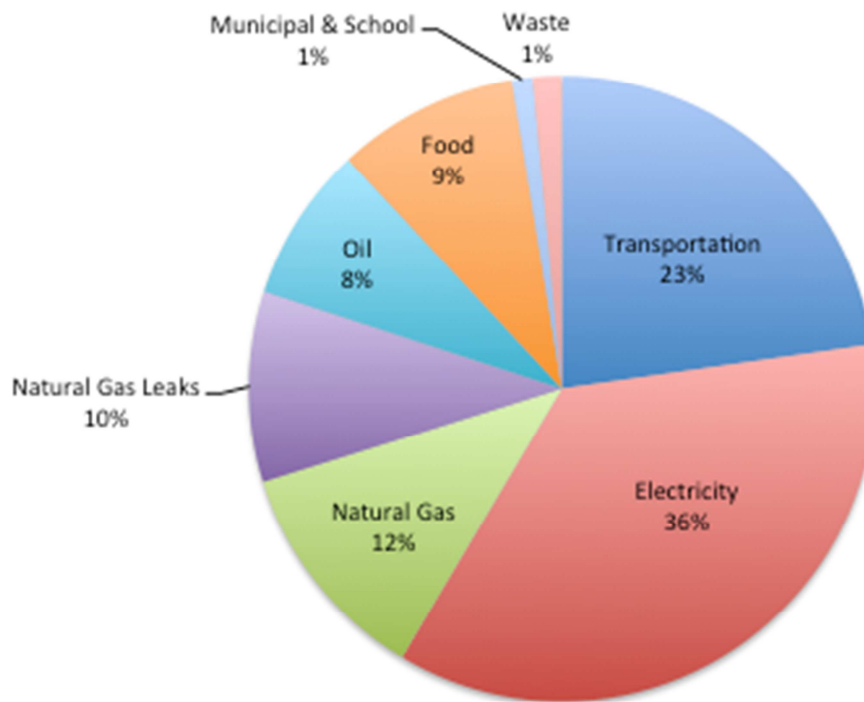
Boston: Older pipes, more leaks



Indianapolis: Newer pipes, fewer leaks



2012 Town of Lexington Emissions Breakdown



Susan Fleck
VP Gas Pipeline Safety & Compliance
National Grid
40 Sylvan Road
Waltham, MA 02451

Subject: Addressing Natural Gas Leaks in Lexington

Dear Susan Fleck and Joseph Newman,

The Lexington Board of Selectmen and Lexington's delegation to the Massachusetts State House are writing to request that National Grid begin working with the Town of Lexington to address the continuing problem of natural gas leaks in Lexington by taking three specific actions.

We will be convening a public meeting hosted by the Board of Selectmen, Representative Jay Kaufman, Senator Mike Barrett and Senator Ken Donnelly to discuss these proposed actions on May 17th at 7PM in Cary Memorial Hall at 1605 Massachusetts Avenue. We would request that National Grid send a representative to this meeting who is prepared to address questions from the public and their elected officials, and who has been authorized to discuss National Grid's plans for working with the Town to address the natural gas leaks in Lexington.

The Board of Selectmen request that National Grid take the following actions:

- 1) Provide the Town with an annually updated inventory of the natural gas distribution pipeline in Lexington including:
 - a. Maps showing the location, material and age of all pipelines
 - b. Maps showing all known leaks and leakage rates in the Town
- 2) Convene a working group to establish communication channels with the Town to ensure that natural gas pipeline repair is coordinated with scheduled road & sewer replacement work.
- 3) Provide National Grid's annually updated estimate of total natural gas supplied and consumed in Lexington, specifically breaking out the amount of lost and unaccounted natural gas in Lexington.

It is our understanding that National Grid has documented 93 unrepaired natural gas leaks in Lexington with the oldest known leak in Lexington being 24 years old. Natural gas leaks affect our citizens' health, aggravating asthma and other respiratory conditions. Asthma is one of the leading causes of school absenteeism. Natural gas leaks also have health impacts on trees.

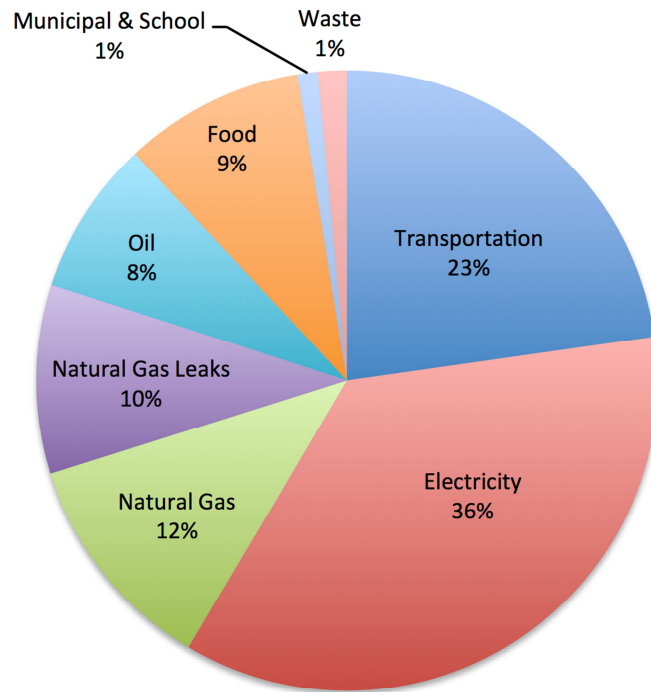
Natural gas is primarily methane, a very powerful greenhouse gas with 86 times the Global Warming Potential of CO₂ over a twenty-year time frame according to the IPCC. Based on the leakage rate recently documented in the Metro Boston area, we have increased our estimate of Lexington's total annual greenhouse gas emissions by 111 million pounds of CO₂e (an increase of 11%) with natural gas now representing 22% of Lexington's total emissions after accounting for the leakage rates.

For these and other reasons, we ask that you begin working with us to address this important topic.

Best regards,

Lexington Board of Selectmen

Lexington's CO₂e Emissions Baseline



CC: Hon. Senator Michael J. Barrett
Hon. Senator Kenneth J. Donnelly
Hon. Representative Jay R. Kaufmann
HE. Governor Charlie Baker
Secretary Matthew A. Beaton - Executive Office of Energy and Environmental Affairs
Joseph Newman, National Grid – Director of Government Affairs Massachusetts

Joseph Newman
Director of Government Affairs – Massachusetts
40 Court Street, 11th Floor
Boston, MA 02108

Exploring Net Zero in Lexington

Sustainable Lexington

LexGWAC

Mothers Out Front - Lexington



The Opportunity for Lexington

Getting to Net Zero Emissions

- A natural next step in Lexington's commitment to addressing climate change.
- Scope includes commercial, residential, municipal and school buildings.
- Essential element to meeting our goals of reducing overall emissions 80% by 2050.
- Continues Lexington's regional and national leadership

The Opportunity for Lexington

- Greener buildings = healthier buildings.
- Dramatically lower total life cycle cost of ownership for our buildings.
- High performance buildings = competitive advantage and differentiator.
- Planned major capital investments in Lexington's school and municipal buildings over the next 5 years that benefit from this work.

Getting to Net Zero - Charge

- Develop broad consensus on path for Lexington to become a Net Zero community over 25 to 35 years.
- Focus on greenhouse gas emissions from building operations.
- Develop strategies and recommendations to:
 - Reduce GHG emissions from the built environment
 - Improve energy efficiency and conservation on new and existing buildings
 - Support renewable energy generation, both on and off-site
 - Implement best practices to engage / educate owners and influence resident / occupant behavior

Getting to Net Zero - Stakeholders

- Diversity is Key - All Major Stakeholders included
- Business Leaders / Community Leaders
- Large Commercial Property Owners
- Residential Property Owners / Real Estate
- Non-profit Leaders
- Architects / Green Building Engineer – Experts
- Town Committees:
 - School Committee / Parents
 - Planning / Economic Development Representatives
 - Historic Districts / Historical Commission
 - Sustainable Lexington / other Town Committees
- Selectmen / Town Staff

Getting to Net Zero - Governance

- Ad hoc task force
- Term: 12 – 18 months
- Members approved by Board of Selectmen
- Report to the Board of Selectmen

Getting to Net Zero Process

- Baseline Research
 - Understanding Lexington's buildings stock and it's contribution to emissions
- Tools and Technical Support
 - Statistical models, Best Practices, Energy Supply Primer
- Facilitation
 - Building BUY-IN across stakeholders on task force and in working groups
- Getting to Zero Action Plan
 - Idea and strategy development
 - Final Report
 - Road Map/Timeline for getting to net zero in Lexington
- Community Engagement
- Adoption
- Implementation
- Role of Consulting

Getting to Net Zero - Deliverables

- Actionable recommendations
 - Comprehensive Plan
 - Commercial
 - Residential
 - Municipal
 - Practical, Implementable, Fiscally Responsible Actions
 - In line with a Sustainable Future

Warrant Article 16

- To see if the Town will vote to raise and appropriate a sum of money necessary to hire consultants to provide advice and analysis to the Getting to Net Zero Task Force and Town staff, determine whether the money shall be provided by the tax levy, by transfer from available funds or by any combination of these methods, or to act in any other manner in relation thereto.

(Inserted by the Board of Selectmen at the request of the Sustainable Lexington Committee)

Useful Links

- Net Zero Task Force, Cambridge, MA
 - <http://www.cambridgema.gov/CDD/Projects/Climate/NetZeroTaskForce>
- The Integral Group, Vancouver, BC
 - <http://www.integralgroup.com>
- Sustainable Performance Institute, Boston, MA
 - <http://www.sustainable-performance.org>
- Peregrine Energy Group, Boston, MA
 - <https://www.peregrinegroup.com>
- Fort Collins, CO/ Rocky Mountain Institute (RMI)
 - http://www.rmi.org/elab_fort_collins_transforms_energy_use

AGENDA ITEM SUMMARY

LEXINGTON BOARD OF SELECTMEN MEETING

AGENDA ITEM TITLE:

Article Presentation - Community Preservation Committee (10 min.)

PRESENTER:

Marilyn Fenollosa, Chair, Community
Preservation Committee

ITEM NUMBER:

I.3

SUMMARY:

Ms. Fenollosa will be at your meeting to answer any questions you have regarding Article 8. See attached project information.

SUGGESTED MOTION:

FOLLOW-UP:

DATE AND APPROXIMATE TIME ON AGENDA:

3/2/2016

7:30 PM

ATTACHMENTS:

Description	Type
<input type="checkbox"/> List of CPA Projects	Backup Material
<input type="checkbox"/> Project-Munroe Tavern Archaeological Dig	Backup Material
<input type="checkbox"/> Munroe Center for the Arts Window Study	Backup Material
<input type="checkbox"/> Lexington Arts & Crafts Society Parsons Gallery Lighting Renovation	Backup Material
<input type="checkbox"/> Keeler Farm Community Housing Acquisition	Backup Material
<input type="checkbox"/> Greeley Village Rear Door and Porch Preservation	Backup Material
<input type="checkbox"/> Wright Farm Barn Needs Assessment and Feasibility Study	Backup Material
<input type="checkbox"/> Antony Park Renovation	Backup Material

▣	Minuteman Bikeway Wayfinding Signs Implementation	Backup Material
▣	Town Pool Renovation Design and Engineering Costs	Backup Material
▣	Park Improvements - Hard Court Resurfacing	Backup Material
▣	Granite Forest Pocket Park Construction at Lincoln Park	Backup Material
▣	Park Improvements - Athletic Fields	Backup Material
▣	Park and Playground Improvements	Backup Material
▣	Grain Mill Alley Design Implementation	Backup Material

FY 17 CPA PROJECT LIST

as of 2/29/16

	A	B	C	D	E	F	G	I	J
1		PROJECT	FY17	FY18	FY19	FY20	APPLICANT/ CONTACT	FINAL CPC VOTE	NOTES
2									
3		OPEN SPACE							
4		Wright Farm Barn Needs Assessment and Feasibility Study	\$35,000	\$0	\$0	\$0	Karen Mullins	8-0-1	Open Space
5		Grain Mill Alley Design Implementation	\$214,114	\$0	\$0	\$0	Melisa Tintocalis	7-0	Open Space
6									
7		HISTORIC RESOURCES							
8		Munroe Tavern Archaeological Dig	\$15,000	\$0	\$0	\$0	Susan Bennett- Lexington Historical Society	9-0	
9		<i>Visitors Center Renovation - Indefinitely Postponed</i>	\$0	\$0	\$0	\$0	Pat Goddard/ Shawn Newell		Indefinitely Postponed
10		Munroe Center for the Arts Window Study	\$30,000	\$0	\$0	\$0	Nancy Sofen/ Tom Griffiths	9-0	
11		Lexington Arts and Crafts Society Parsons Gallery Lighting Renovation	\$24,280	\$0	\$0	\$0	Tom Whelan	8-0	Original CPA request-\$32,000 Total project cost \$36,280
12		<i>First Parish Restoration - Application Withdrawn</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>	<i>Russ Tanner</i>	<i>No Vote</i>	<i>APPLICATION WITHDRAWN</i>
13									
14		RECREATION							
15		Town Pool Renovation Design and Engineering Costs	\$166,000	\$1,620,000	\$0	\$0	Karen Simmons	9-0	

FY 17 CPA PROJECT LIST

as of 2/29/16

	A	B	C	D	E	F	G	I	J
16		Park Improvements- Hard Court Resurfacing	\$61,000	\$0	\$58,000	\$43,000	Chris Filadoro	9-0	
17		Granite Forest Pocket Park Construction at Lincoln Park	\$30,000	\$0	\$0	\$0	Karen Simmons	8-1	
18		Minuteman Bikeway Wayfinding Signs Implementation	\$120,000	\$0	\$0	\$0	David Kucharsky	9-0	Original request - \$330,000 revised application submitted 10/28/15
19		Park Improvements- Athletic Fields	\$120,000	\$125,000	\$150,000	\$400,000	Chris Filadoro	9-0	
20		Antony Park Construction Funds	\$60,000	\$0	\$0	\$0	Dave Pinsonneault	5-4	
21		Park and Playground Improvements	\$75,000	\$60,000	\$0	\$70,000	Chris Filadoro	9-0	
22									
23		COMMUNITY HOUSING							
24		Keeler Farm Community Housing Acquisition- <i>pending HOME funds</i>	<u><i>\$115,000</i></u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	Bill Kennedy- LexHAB	9-0	Original request- \$180,000. Revised request- \$185,000. Potential reduction by \$70,000 due to pending HOME funds.
25		Greeley Village Rear Door and Porch Preservation	<u>\$263,250</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	Caileen Foley- Lexington Housing Authority	9-0	Original CPA request- \$415,711. Total project cost- \$351,000
26									
27		ADMINISTRATIVE BUDGET							
28		Administrative Expenses	<u>\$150,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>		9-0	
29									
30		CPA DEBT SERVICE							
31		Debt Service-	<u>\$3,289,721</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>		8-0	

TOWN OF LEXINGTON COMMUNITY PRESERVATION COMMITTEE

PROJECT APPLICATION SUMMARY FORM

Project Title: Munroe Tavern Restoration and Rehabilitation

APPLICANT INFORMATION

Name of Applicant/Contact Person: Susan Bennett

Title or Position: Executive Director

Group or Committee Affiliation (if any): Lexington Historical Society

Applicant/Contact Person's address, contact phone number, and email: P.O. Box 514,
Lexington, MA 02420 781-862-1703, director@lexingtonhistory.org

PROJECT INFORMATION

Project Site Address: 1332 Massachusetts Avenue

Project Site Assessors Map/Parcel: 39/5

Project Site Deed Book/Page: acquired by bequest

Current Owner: Lexington Historical Society

Purpose (please check all that apply)

☐ Open Space

☐ Recreation

☒ Historic

☐ Housing

Brief Project Description: The Lexington Historical Society plans to add a wing to Munroe Tavern to house its archives of over three hundred years of Lexington history. The new wing will provide needed storage space and significantly enhance public access. Although this new construction is not a CPA-eligible project, the construction must be preceded by an archaeological dig in the basement footprint of the new wing. The Society is requesting consideration of CPA funding for the dig and associated expenses.

Costs	Total Project Cost	CPC Funds Requested	Other Funding Sources (amount and source)
Fiscal Year			
2017	\$415,000	\$15,000	Grant funding, Historical Society fundraising
Total	\$415,000	\$15,000	

Signature of Applicant: Susan Bennett Date: 10/7/15

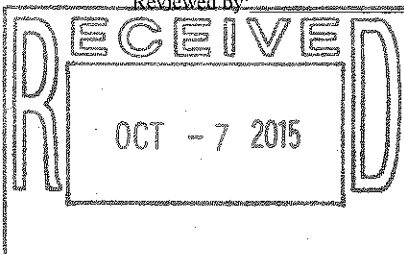
For Community Preservation Committee Use:

Form Received on: _____

Project Presented to CPC on: _____

Reviewed by: _____

Determination: _____



Lexington Historical Society
Community Preservation Application
Archaeological Dig at Munroe Tavern

The Lexington Historical Society will be adding a wing to Munroe Tavern to host its growing archives and to make them more accessible to the public. The size of the wing is approximately 25' x 25' and will include a full basement. Because of the historic significance of the site, an archaeological dig is required before construction can begin. We are requesting Community Preservation funding only for the dig, recognizing that the new construction is ineligible.

Scope of Project – we are proposing to hire Plymouth Archaeological Rediscovery Project (PARP) to conduct a dig on the site of the planned archives wing in April 2016. A detailed proposal for the dig is attached. A dig of this sort has to meet requirements imposed by the Massachusetts Historical Commission and PARP will assure that all these requirements are met.

One exciting feature of the project is that PARP is open to making this a (well-supervised) public dig. The Historical Society will work with the archaeologist to schedule opportunities for members of the public to join the dig and encourage parents to participate with their children, especially during the April school break. To enhance the public experience, we will have on-site an exhibit showcasing the archaeological finds from the Hancock-Clarke House dig. This public component will be educational and should increase public appreciation for Lexington's history and its preservation.

In addition to the dig, the project will include a ground penetrating radar survey of the entire Munroe Tavern site to identify other significant features that might call for future exploration.

Project Goals and Objectives – The goals of the dig are as follows:

- to be a responsible steward of Lexington's historic resources by conducting a professional archaeological dig at the site of new construction at Munroe Tavern;
- to provide public education about archaeology and history by including a strong public component to the dig;
- to use any artifacts unearthed in the dig in the Society's interpretation of Munroe Tavern.

Projected Action Plan and Timeline – If funding is received, the dig will begin in early April and will be completed by early May. Evaluation of artifacts and reporting on the dig will continue into early summer. The ground penetrating radar will also be completed in this same time frame.

Anticipated Project Cost – The preliminary budget for the dig and the ground penetrating radar is \$15,000. The proposal from PARP estimates \$9000 for archaeology, and the ground penetrating radar is \$1500. We would request that a contingency be included as the size of the

dig may need to be expanded somewhat if the building footprint is larger than anticipated in our initial plans, and our experience with prior digs is that they can be more expensive than estimated.

Other Funding Sources – The archaeological dig is part of a larger project – the Munroe Tavern Archives Wing. This is estimated to be a \$400,000 project. We are not seeking CPA funding for any other part of this larger project as it is ineligible, but the cost of the dig should be considered part of this larger effort. We will be seeking state grants and private donations to fund the archives wing construction.

Budget justification – The attached proposal thoroughly outlines the dig and the basis of the projected cost.

Comparable projects – In the 1960s, the Lexington Historical Society, under the direction of archaeologist Roland Robbins, conducted a large, community-based dig at the Hancock-Clarke House. The artifacts from that dig were the subject of an exhibit in 2010 and continue to inform our interpretation of the house today. In 2010, the Society conducted a dig at Munroe Tavern prior to creating a small reception room there. The firm conducting the dig did not encourage public participation. A small trove of artifacts was unearthed from that dig.

Relevance to Community – The historic sites in Lexington are of local, state and national significance. Adding an archives wing to Munroe Tavern will permit the Society to provide more adequate care for the town's historic archives and to make them much more accessible to visitors from near and far. A professional archaeological dig that meets state requirements will permit the Society to move forward with this important project.

Supporting documents - A site plan of Munroe Tavern is attached with the area of the dig indicated. The proposal from Plymouth Archaeological Rediscovery Project is also attached.

PLYMOUTH ARCHAEOLOGICAL REDISCOVERY PROJECT (PARP)

355 Orchard St. New Bedford, MA 02740

(774)-488-2095

craig@plymoutharch.com

August 3, 2015

Thank you for contacting PARP regarding the proposed archaeological excavation at the Munroe Tavern. A bit of background about myself. I received my Bachelor of Arts in Anthropology from the University of Rhode Island and then went on to earn a Master of Arts in Historical Archaeology from the University of Massachusetts at Boston. I worked for several years at various New England archaeology companies, both before and after I was hired by Plimoth Plantation as an interpreter and staff archaeologists for their Wampanoag Indian Program. After leaving the Plantation and working in Virginia, I started PARP in 2003 with the primary goal of conducting excavations in Southeastern Massachusetts (the area that was once Plymouth Colony). Since then I have conducted excavations across Massachusetts and Rhode Island with sites ranging from 4000 year old Native encampments and 1000 year old native village to seventeenth century homesites and nineteenth century cemeteries. My philosophy has always been archaeology for the people. To that end I try to make as many of my findings available to the public via my website (www.plymoutharch.com) while also striving to involve the public as much as possible (through lectures, demonstrations and community digs).

The excavation at the Munroe Tavern is proposed as a community involved dig. Because of the relatively small area of excavation, I recommend that a maximum of 10 volunteers be allowed to participate under the guidance of at least two professional archaeologists. Those wishing to volunteer could sign up to work either a morning or afternoon session (or both if they wanted) each day of the excavation. Morning sessions would run from 9-12 and afternoon sessions from 1-4 each day of the proposed 2-3 week dig. I have found it best if people sign up for their session well in advance of the start date (at least two months before). Prior to the start of the dig, a training day will be held to familiarize the volunteers with what will be expected of them and of the types of artifact that can be expected to be found. This training day would last for a few hours and could occur on site. Volunteers would have the opportunity to excavate, screen, and take notes during the course of their day. I have also found that giving anyone who does not feel that they could physically get down and dig, the option of being strictly a note taker or screener is a good way to involve a diverse range of people. The dig could also be open to school field trips, not so much for digging, but they could visit the excavation and even help out with screening (under a watchful, experienced eye, of course).

Some issues to consider are parking, restrooms, and liability waivers. I have found that having folks sign a generic liability form is a good way of assuaging anyone's fears of lawsuit. An excavation such as this, even if nothing of great import is found, is also a great way to promote the museum via local papers, NPR, and other local, and regional, news outlets.

It is estimated that the area to be impacted by the proposed construction will measure 20 x 24' (6 x 7.5 meters). I propose that the entire area to be impacted should be completely archaeologically excavated, leaving what is essentially an empty, relatively shallow, hole within the impact footprint. Excavation will begin with the staking out of the impact area followed by the removal of the turf. This turf can be removed fairly carefully and reused elsewhere if the Society wishes. Following the removal of all the turf, the impact area will be gridded off into the one meter squares that will form the basis of the excavation. Excavation will be carried out across the entire excavation area one level at a time (either natural soil level when visible or by arbitrary 10-cm (4") levels within the natural soil horizons). The entire surface will be mapped at the completion of each natural or arbitrary level, excavation will then proceed to the next level. Excavation will cease upon

encountering 10 cm of sterile subsoil (not too exciting to dig, but it does ensure that nothing is missed). If features (pits, postholes, foundations, etc.) are encountered, these will be mapped, photographed, and eventually excavated. All artifacts recovered will be kept separate by provenience (first by one-meter unit then by depth and by feature if necessary). At the completion of the excavation, PARP will be responsible for processing all the artifacts (washing, stabilizing, cataloging, bagging and boxing) and producing a final report within 6 months of the completion of fieldwork. A completion memo will be submitted to the MHC within one week of the completion of fieldwork so that the project can proceed without delay as the report is written.

I have also wondered if the Society has ever considered having a ground penetrating radar (GPR) survey conducted in the area immediately around and in the lawn to the north of the house. A GPR survey would cost a flat fee of \$1500.00 and has the potential to identify support such as barns, privies, dairies, and stables, as well as being able to locate areas of past disturbance. Knowing where potential areas of sensitivity and disturbance is an important step in managing a resource such as the tavern. By knowing where potentially significant resources are and where they do not appear to be, the Society would be able to better plan for future expansions or even future community excavations.

The cost for the complete excavation of the impact area (20 x 24') is as follows:

Permit	\$1000
Fieldwork	\$4000
Labwork	\$2000
Report	\$2000
Total	\$9000

The schedule for proceeding is as follows:

Permit: two weeks to generate and up to two months to be issued by the MHC

I would recommend beginning the permit application process as soon as either the project is approved or as soon as the funding is approved. It generally takes 30 days for the Massachusetts Historical Commission (MHC) to issue a permit, but they often request additional information or have recommendations that they would like to see included in the permit application, thus making the application take up to twice as long. The permit is good for at least a year and can be extended. If we submitted a permit application in November, and it takes two months for the MHC to issue it, we would have the permit by January or February and would be in a better place to start fieldwork at the Society's leisure.

Fieldwork: three to four weeks

Once we have the permit in hand we start the fieldwork as soon as the weather is amenable and the volunteers are scheduled. Fieldwork will include one training day prior to the actual fieldwork.

Completion Memo: within 1 week of the completion of fieldwork

A comprehensive completion memo detailing the testing strategy and preliminary results will be generated and filed with MHC so that the project can proceed while the labwork and report are completed.

Labwork: Two weeks

Report: Within six months of the completion of fieldwork

The final report, barring changes recommended by MHC or the Society, is expected to be completed within six months of the completion of fieldwork.

Please contact me with any questions, comments, or if you would like further details regarding any aspect of this proposal.

Craig S. Chartier
Director PARP

PERCY ROAD

L=36.86'
R=15.00'



TAVERN LANE

MASSACHUSETTS AVE.

Area of dig

25.4' NEW
12' P. MTL.
24.6'
0.83'

41.2'
EXISTING
BUILDING
#1332
40.2'

L=74.12'
R=165.00'

L=82.75'
R=161.56'

39.24'

260.96'

I CERTIFY THAT THE ABOVE STRUCTURE
IS LOCATED AS SHOWN.
THE LOT DOES NOT LIE IN A FEMA 100
YEAR FLOOD HAZARD ZONE.



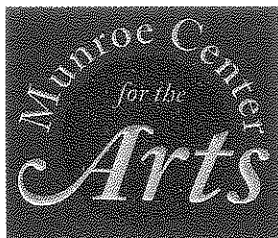
David E. Lukens
REG. PROF. LAND SURVEYOR

1332 MASSACHUSETTS AVENUE
PLOT PLAN OF LAND
IN
LEXINGTON, MASS.

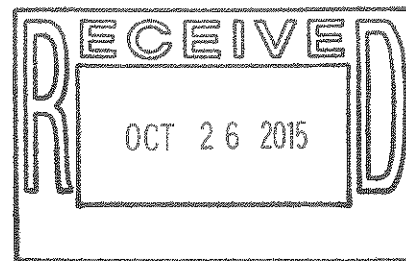
SCALE: 1" = 60'

5 JANUARY 2011

LANDMARK ENGINEERING OF NEW ENGLAND, INC.
REG. LAND SURVEYORS & REG. PROF. ENGINEERS
224 DEDHAM STREET NORFOLK, MA 02056
P.O. BOX 415



Marilyn Fenollosa, Chair
Community Preservation Committee
1625 Massachusetts Avenue
Lexington, MA 02420



Staff

Barbara Simkowski
*Education Director,
ArtSpan*

Nancy Sofen
Business Manager

October 26, 2015

Dear Ms. Fenollosa and Committee Members,

Board

Donald Bailey, *Treasurer*
Renata Celichowska
Greig Greenwald
Thomas V. Griffiths,
Chair
Peter Kelley
Star Lancaster
Dr. Karen Myers
Cameron Purdy,
Vice-chair
Harriet Vitto, *Clerk*

The Lexington Friends the Arts respectfully submits the enclosed application for your consideration. The question has been raised (both internally and externally) whether as a tenant we have standing to apply for funds for a Town-owned building. We brought the question to Town Manager Carl Valente, who responded that the application should, in fact, come from us. If recommended by you and approved by Town Meeting, the project would be overseen by the Department of Public Facilities. We look forward to discussing the proposal with the Committee. Please do not hesitate to contact me or LFA Board Chair Tom Griffiths with any questions.

Sincerely,

A handwritten signature in cursive script that reads "Nancy M. Sofen".

Nancy Sofen
Business Manager

School Directors

Thelma Goldberg
The Dance Inn

Sal Jones
Lexington Players

Gary Meyer
Elite Freestyle Karate

Mary Petersen
Lexington School of Ballet

Barbara Simkowski
ArtSpan

Epp Sonin
Lexington Music School

**TOWN OF LEXINGTON
COMMUNITY PRESERVATION COMMITTEE**

PROJECT APPLICATION SUMMARY FORM

Project Title: Study of Munroe Center for the Arts' Window Restoration

APPLICANT INFORMATION

Name of Applicant/Contact Person: Lexington Friends of the Arts / Nancy Sofen or Thomas Griffiths

Title/Position: Business Manager (NS) and Board Chair (TG)

Group or Committee Affiliation:

Applicant / Contact Person's address, contact phone number, and email:

1403 Massachusetts Avenue, Lexington, MA 02420, phone 781-862-6040, email

office@munroecenter.org

Please note that Nancy Sofen will be on a 2-month medical leave after November 9, 2015

During that time, inquiries may be addressed to Thomas Griffiths: phone 781-861-9138 x211

or 781-771-9314, email TomG@EGH.com.

PROJECT INFORMATION

Project site address:

1403 Massachusetts Avenue

Lexington, MA 02420

Project Site Assessors Map/Parcel: 39 / 62

Project Site Deed Book/Page: unknown

Current Owner: Town of Lexington

Purpose (please check all that apply)

☐ Open Space

☒ Historic

☐ Recreation

☐ Housing

Brief Project Description:

Lexington Friends of the Arts requests funds to carry out an engineering study for the purpose of producing recommendations, construction documents and cost estimates for the replacement or functional restoration of all windows at Munroe Center for the Arts. CPA funds for the restoration work itself would be requested the following year.

COSTS

Fiscal Year	Total Project Cost	CPC Funds Requested	Other Funding Sources (amount and source)
2017	\$30,000	\$30,000	None
TOTAL	\$30,000	\$30,000	None

Signature of Applicant:

Thomas V. Griffiths, Chair Date: *10/27/2015*
LFA Board

For Community Preservation Committee Use Only:

Application Received On: _____

Project Presented to CPC on: _____

Reviewed by: _____

Determination: _____

TOWN OF LEXINGTON COMMUNITY PRESERVATION COMMITTEE

PROJECT INFORMATION

Project Title: Study of Munroe Center for the Arts' Window Restoration

1. **Project Concept and Background:** The 117 windows in the Munroe Center for the Arts are believed to be original to the 110-year-old building, or at least to the time of its 1915 addition. To our knowledge, neither they nor the newer combination storm windows have received any attention in a very long time, and both are in poor condition. Air infiltration makes the building uncomfortable in the colder months and significantly decreases the building's energy efficiency. The windows are difficult to operate and many are quite dangerous; we fear that one of our tenants, employees or guests might suffer not a pinched finger but rather a broken wrist or worse.

Our rental agreement with the Town does not assign responsibility for capital projects to either party. We are committed to stewardship of the building and to improving its function and appearance, but do not have the resources to manage the backlog of capital needs the building presents. Two years ago we invested in converting our heating system from oil to gas; this has eliminated the headaches associated with multiple oil tanks, and fuel savings have offset conversion costs already. In the next year we will be funding two major improvements to the property. We hope to expand and repave the parking lot next summer, widening the driveway and creating a circular traffic pattern that will improve safety for pedestrians and drivers. And we have committed to repaying the town (over five years) for the cost a new roof for the Center through a rent increase. The combined costs of these two projects will be close to \$300,000.

Replacing the windows with new wood double-glazed windows is an attractive option. At an informal hearing with the Historic Districts Commission last spring, we were advised to consider restoring, rather than replacing, the windows. We met with Alison Hardy of Window Woman of New England and with Ward Hamilton of Olde Mohawk Historic Preservation, who proposed a two-step process. First the old storm windows would be removed, all exterior masonry and wood voids filled, trim painted, and new combination storm windows installed. Then the windows would be removed and restored (including stripping lead paint) offsite, and reinstalled with new chains and zinc interlocking weather-stripping. Obtaining estimates for either approach is complicated by State bidding requirements that mean, as a practical matter, the Town must bid all capital projects for the Center, so we concluded that we need an architect or engineer to prepare a reliable cost estimate and construction documents suitable for bidding for the work. This request is to fund a study to be overseen by the Department of Public Facilities that would evaluate multiple options and make a recommendation, with cost estimates. DPF Director Patrick Goddard recommends an amount of \$30,000 for the study.

This project satisfies four of the seven Historic Resources category criteria. The Munroe Center is clearly not suitable for re-use as an elementary school, but the charming historic structure serves its current purpose as an arts center well. The cost of repairs is

magnified by the requirements of being in a Lexington Historic District, and in fact even the rear of the building is governed by the HDC because it can be seen from the Munroe Cemetery. The public benefit arises from restoration of a Town asset, and from the improved safety, comfort, environmental efficiency and aesthetic appeal that sound windows would provide to this center where many Lexington children and adults find opportunities to enjoy dance, music, visual arts and martial arts.

2. Project Goal and Objectives: The Munroe Center for the Arts is an historic building near the heart of town, and over a thousand people a year subscribe to our programs, making The Munroe Center for the Arts a major recreational resource for town residents. The huge windows are one of this classic building's most beautiful assets, visible to the public who drive or walk past and to those who work or take classes at the 5 schools that rent space there. With the detailed report that this project will create, we will prepare an application to the CPC in 2016 for funds to complete work to replace or restore the windows, in order to reduce heat loss significantly, improve safety and functionality, and preserve the architectural integrity of the building.
3. The Department of Public Facilities will either place this project to bid or will assign it to a firm already contracting with the town for architectural studies and construction cost estimates.
4. The projected cost for this study is \$30,000.
5. Lexington Friends of the Arts' funds are committed to other capital projects at this time; there are no other funding sources.
6. We request funding in the amount of \$30,000.
7. This cost estimate was provided by Department of Public Facilities Director Patrick Goddard.
8. The CPC has funded many studies to provide plans and cost estimates for future work, among them the Center Ballfields, Stone Building, Muzzey Condominiums, Muzzey Senior Center, Cary Memorial Building, Town Office Building, White House, and most recently the First Parish Church. The window project that would follow has precedents in other Town-owned buildings listed above.
9. The Munroe Center for the Arts enriches Lexington culturally and artistically through its visual and performing arts education classes, community arts-related events (such as the highly-regarded Munroe Saturday Night performance series), art gallery, and by providing studio space at affordable rents for community artists. That our classes and vacation arts programs quickly fill to capacity indicates that the community values Munroe's presence. This project will ensure that we project a plan with an accurate cost estimate to provide a safe, comfortable and efficient environment for our operations and for our tenants and the public who use the building.

**TOWN OF LEXINGTON
COMMUNITY PRESERVATION COMMITTEE**

PROJECT APPLICATION SUMMARY FORM

Project Title: Parsons Gallery Lighting Renovation - Lexington Arts and Crafts Society

APPLICANT INFORMATION

Name of Applicant/Contact Person: Thomas Whelan

Title/Position: Board member, Lexington Arts and Crafts Society; Chair, Photography Guild

Group or Committee Affiliation (if any):

Lexington Arts and Crafts Society

Applicant/Contact Person's address, contact phone number, and email:

Thomas Whelan, 23 Shade Street, Lexington, MA 02421

781 915 9988 (cell) tom@whelanphoto.com (email)

PROJECT INFORMATION

Project Site Address:

130 Waltham Street

Lexington, MA 02421

Project Site Assessors Map/Parcel: Map 49, parcel 16a

Project Site Deed Book/Page: 7970/372

Current Owner: LEXINGTON ARTS & CRAFTS SOCIETY

Purpose (please check all that apply)

☐ Open Space
☒ Historic
☐ Recreation
☐ Housing

Brief Project Description:

Replace lighting system in the gallery of the society: remove existing track system and light fixtures, install new track system and fixtures, install new dimmer switches, and rewire as needed

COSTS

Fiscal Year	Total Project Cost	CPC Funds Requested	Other Funding Sources (amount and source)
2015			
2016			
2017	36,280	24,280	12,000 from fundraising and operating funds
2018			
2019			
2020			
TOTAL			

Signature of Applicant: Thomas Whelan **Date:** October 29, 2015 (rev. 12/1/15)

For Community Preservation Committee Use Only:

Application Received On: _____ Project Presented to CPC on: _____
Reviewed by: _____ Determination: _____

Project Title:

Gallery Lighting Renovation, Lexington Arts and Crafts Society

1. Scope or concept of project:

The Lexington Arts and Crafts Society plans to remove and replace the lighting system in its gallery (the Parsons Gallery) with new lighting fixtures.

The lighting system in the Parsons Gallery was installed 40 years ago. When it was installed, it was the best system for its time, with an expected service life of approximately 20 years. After 40 years of use, the fixtures are worn, some are electrically unsafe, and a number cannot be aimed or adjusted. The track system that provides power to the lights is failing in some locations.

The plan is replace all of the current fixtures and the track system with an LED system designed to deliver light for an art gallery.

2. Project goal and objectives: (Indicate how the Category Specific Criteria for the CPA are met.)

Historic category. The Lexington Arts and Crafts Society (LACS) requests CPA funding under the Historical category. Founded in 1935, LACS was incorporated as a non-profit in 1953. At present, the society is constituted as a 501(c)(3) non-profit, a regional art education center. The society has a long history of contributions to the cultural life of Lexington. The Historic Commission has determined that the society is "significant" in the history, archeology, architecture or culture of the Town of Lexington, as required by the Community Preservation Act. See section 10 for a letter from the Commission, dated October 22, 2015, with this determination.

Project criteria. The proposed project meets the following criteria for the historical category:

1. The lighting renovation will preserve, enhance, restore and/or rehabilitate the society gallery, its primary public space.
2. The lighting renovation will protect, preserve, enhance, restore and/or rehabilitate the historical function of the building (a gallery from its inception).
3. The renovations will directly benefit the public functions of the gallery, such as the high school artist exhibit that is presented yearly in the gallery.

3. Projected action plan and timeline:

The gallery is scheduled for use through mid-July 2016. The renovations will make the gallery unusable while they proceed. The following schedule uses a period when the gallery is not in use:

July 25th – 29, 2016: Remove existing track system, fixtures, check and renovate wiring and switches.

August 1 – 5, 2016: Install new tracks and fixtures

August 8, 2016: Gallery reopens

4. Anticipated project cost: (Provide a budget, with line itemization.)

Item	Quantity	Amount
Edison Price Minimax LED O fixtures	60	27,000
Edison Price lighting track	128 ft	1,280
Replacement switches and wiring		2,000
Labor, remove existing system and install new system		6,000
Total		\$36,280

5. Other funding sources, including private/public/in-kind:

The Society plans a fundraising effort to partially fund the lighting renovations.

6. CPA funding request:

\$24,280

7. Budget justification: (provide an explanation for why each type of expense is needed.)

Lighting fixtures - Most of the cost of the new system is in the fixtures. The fixtures proposed are a commercial type designed for lighting art in galleries. The type of illumination and color characteristics are optimal for art display. Each fixture has an estimated service life of 50,000 hours. The alternatives cannot match the quality of light or service life of these fixtures.

The proposed design increases the number of fixtures from 40 to 60. The added fixtures are on two new tracks in the center of the room that will provide light for metal sculptures and ceramics that may be installed in the middle of the room. See the drawing provided in section 10; arrows indicate the new track locations.

Track system - The track system is the matching track from the manufacturer of the fixture. It is a small part of the cost of the project.

Wiring and switch replacements – Currently gallery lighting has simple on/off switches. The proposal includes an amount for a number of dimmer switches and an allowance for the cost of replacement wiring if it is needed.

Price information - Pricing for the light fixtures and track was provided by Omnilite, Inc., of Burlington, a local representative of Edison Price. The fixture prices are 65% of the retail price, based on a web search for the Edison Price Minimax LED O fixture. The labor estimate is from Fitzmaurice Electric of Arlington.

8. List and describe any comparable projects:

The society has not done anything comparable recently. The project will be supervised by our Building Committee, which includes two architects.

9. Relevance to community: (indicate how project is relevant to the current and/or future needs of Lexington.)

The Parsons Gallery of the Lexington Arts and Crafts Society is a primary resource for the cultural life of Lexington. Improving the gallery lighting will improve the experience of the public for what the gallery offers. The gallery provides the following:

- Exhibits throughout the year from society artists: painting, ceramics, photography, woodworking, weaving, metalwork, polymer clay/beading, and decorative arts.
- Exhibits from artists outside the society, such as the Korean Cultural Society of Boston.
- Juried exhibits of state-wide scope, such as the bi-annual State of Clay exhibit of fine ceramics, sponsored by the society.
- The yearly exhibit of high school artists from Winchester, Burlington, Bedford, Concord, Carlisle, Arlington, and Lexington that the Society hosts. 2015 is the 20th year of this show.
- The gallery is a focal point for Lexington Open Studios, a town-wide art event.
- All exhibits are free and open to the public.

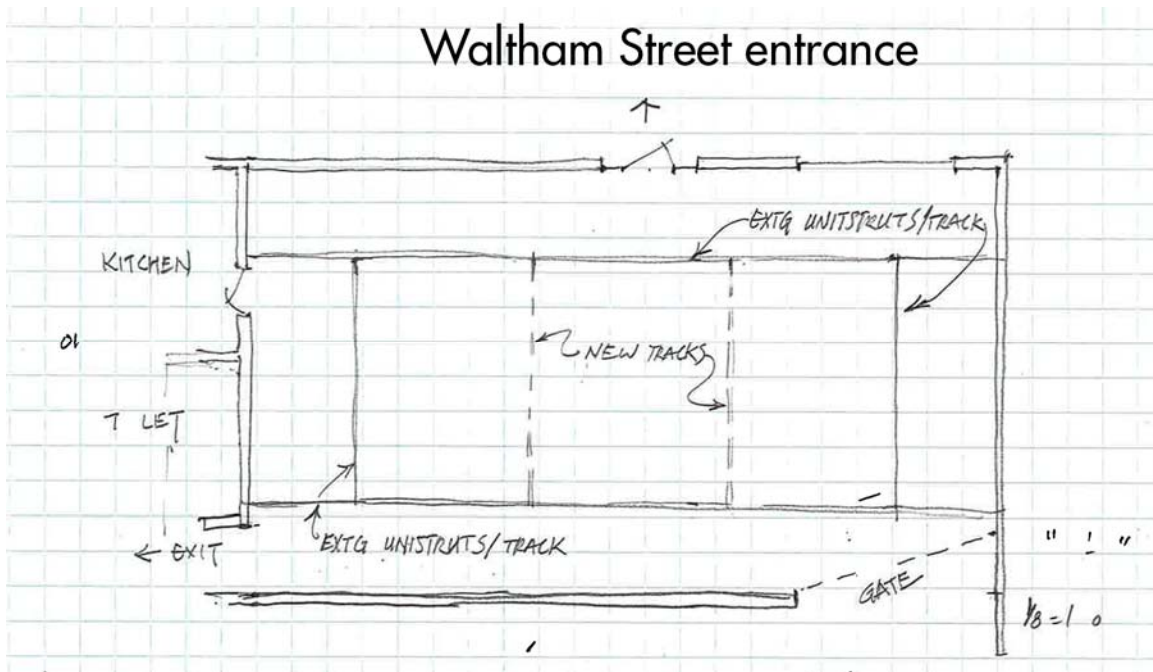
The Lexington Arts and Crafts Society also offers classes and workshops in painting, ceramics, photography, woodworking, weaving, metalwork, polymer clay/beading, and decorative arts. We can speak more about role of the society in Lexington cultural life if we are called to speak to the Community Preservation Committee.

10. Supporting documents: (Provide supporting letters, references, studies, maps, and statistics.)

The supporting documents are the following:

- Drawing of the proposed lighting installation
- Photograph of Parsons Gallery, 130 Waltham Street, Lexington
- Specifications for Edison Price Minimax LED O fixtures
- Letter from the Historical Commission dated October 22, 2015

Drawing of the proposed light installation:



Parsons Gallery



Note the light patterns on the walls with hot spots and very dark areas. Uneven lighting and glare make the artwork difficult to appreciate.

MINIMAX™ LED O

track mounted LED cross-baffled accent light

TRACK
FIXTURES
11-100

FEATURES

MiniMax LED O is a track mounted accent light powered by one of a number of Xicato LED modules – including Artist Series and Vibrant Series modules – all of which are distinguished by extraordinary color consistency (within 1x2-step MacAdam ellipse). See tables on the reverse for wattages and efficacies.

Luminaire may be configured to mount to any of eighteen 20-amp, 120-volt track systems – or – to any of six 277-volt track systems.

Luminaire may be ordered with one of a number of drivers.

A matte black cross-baffle assembly controls surface brightness and reduces spill light. Lens orientation may be adjusted from below by rotating cross-baffles. The cross-baffle assembly is spring mounted for easy removal.

Beam spread is changed by removing the cross-baffle assembly, replacing one 'twist and lock' reflector with another, and re-inserting the cross-baffle assembly. Luminaire is ordered with a single reflector; one or both of the other reflectors may be ordered as accessories.

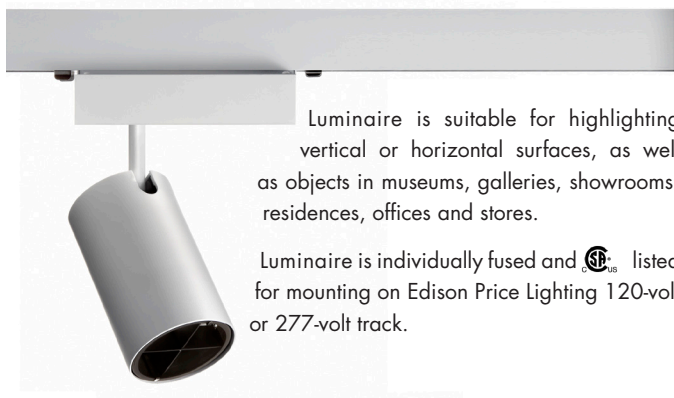
An on-off rocker switch, mounted flush in the circular top of the luminaire, is included standard on luminaires equipped for 120 volt service only.

A concealed swivel provides 385° horizontal rotation and vertical adjustment from 0° to 90°. The swivel is permanently tensioned, allowing the luminaire to remain fixed at any angle. Luminaire can be locked in place by depressing a hinged ('lever lock') bar so that it lies flush with the top of the housing. Lifting the lever lock frees the swivel.


Luminaire accepts one or two of a number of Optical Accessories, including spread lenses and color filters. Complimentary Beam Smoother is included.

MiniMax luminaires have seamless aluminum housings and cast aluminum tops for lightweight durability and heat dissipation.

APPLICATIONS

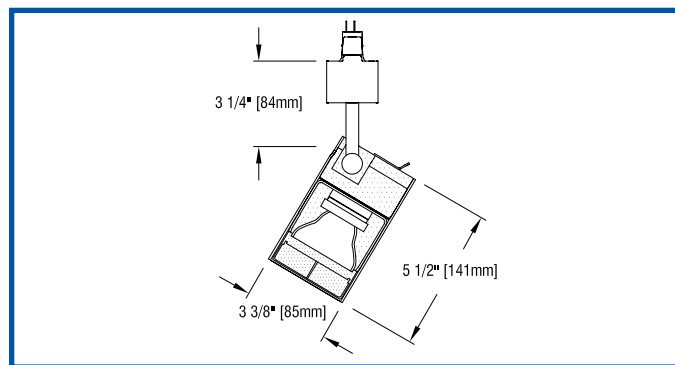


Luminaire is suitable for highlighting vertical or horizontal surfaces, as well as objects in museums, galleries, showrooms, residences, offices and stores.

Luminaire is individually fused and  listed for mounting on Edison Price Lighting 120-volt or 277-volt track.

Fixture Spacing Requirements The track adapter of this fixture is 8 1/8" long. For this reason 1) it cannot be track-mounted closer than 8 3/8" on center and 2) it cannot be used with 3 of our 7 **Unicep** single-fixture track units.

For the outlet box mounted version of this luminaire, see **MiniMax LED O-OBM**.



PRODUCT CODE

For complete product code, list basic unit and select one item from each following box.

Basic Unit.....MM-XSM2-OX

Driver

dimmable to 10% (see Light Output box below) with electronic low voltage (ELV) dimmer on 120-volt track only; seamless driver case, pictured, measures 6 1/2" x 2" x 1 5/8" DME
dimmable to 10% (see Light Output box below) with either incandescent or ELV dimmer on 120-volt track only, seamless driver case, pictured, measures 6 1/2" x 2" x 1 5/8" DMP
dimmable to 1% (see Light Output box below) with a Lutron® incandescent dimmer on 120-volt track only, seamless driver case measures 5 3/4" x 3 5/8" x 1 5/8" LU-DMI

Track Configuration

120-volt track (e.g. SightLine) 2C
277-volt track (e.g. HighLine) no switch; not dimmable HC

Finish

white: includes white switch WH
black: includes black switch BL
Industrial Silver: includes black switch SI
custom color: specify switch color: white or black CC

Light Output

700L /CRI 97 Artist.....DME (10%) or LU-DMI (1%)...L07A
1000L /CRI 97 ArtistDMP (10%) or LU-DMI (1%)...L10A
1000L /CRI 80DMP (10%) or LU-DMI (1%)...L10S
1500L /CRI 80+ Vibrant...3000K only ..DMP (10%) or LU-DMI (1%)...L15V
1500L /CRI 80+DMP (10%) or LU-DMI (1%)...L15S
2100L /CRI 80+DME (10%) or LU-DMI (1%)...L21S

Light Color

2700 K 27K
3000 K 30K
3500 K 35K
4000 K 40K

Beam Spread Reflector (specify one to ship with fixture)

20° spot 20D
40° flood 40D
60° wide flood 60D

► For luminaires modified for 50A or 60A track systems, contact factory.

EXTRA REFLECTORS *Specify as separate line items.*

20° spot reflector XSM-REF20
40° flood reflector XSM-REF40
60° wide flood reflector XSM-REF60

OPTICAL ACCESSORIES ▼ *See next page*



41-50 22ND STREET, LIC NY 11101 TEL 718.685.0700 FAX 718.786.8530 www.epl.com

©Copyright, Edison Price Lighting 2015
MiniMax is a pending trademark of Edison Price Lighting.

6:15

OPTICAL ACCESSORIES

Specify as separate line items.

All are 2 3/4" (70mm) dia. Lenses and filters are glass; screens are aluminum.

diffuse glass	DGS/2.75
prismatic lens (Solite)	PLS/2.75
55° spread lens	LENS/2.75
40° x 70° spread lens	LENS/2.75-4070
beam smoother included with fixture	CLR/2.75
color filters	
Daylight Blue	DAY/2.75
Surprise Pink	PNK/2.75
amber	AMB/2.75
blue	BLU/2.75
green	GRN/2.75
red	RED/2.75
33% light reduction screen	SCR33/2.75
50% light reduction screen	SCR50/2.75

PHOTOMETRIC REPORT (tested per IESNA LM-79-2008)

UL Verification Services Report No. 182709. Original test report furnished upon request.

Luminaire track-mounted LED accent light with a 20° reflector and black cross-baffle (NO LENS)

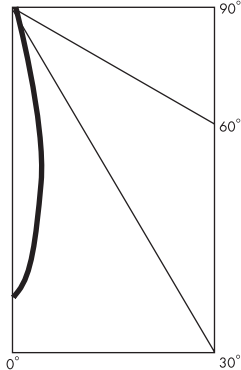
Lamp Xicato XSM LED Module, 1500 lumens, 3000K

Lamp Life rated 50,000 hours based on L70/B50 criteria. LM80 report by LED manufacturer furnished upon request

Luminaire Light Output 753 lumens

CANDLEPOWER DISTRIBUTION (Candela)

Vertical Angle	Horizontal Angle
	0
0	4506
5	3689
15	1046
25	188
35	14
45	6
55	3
65	1
75	0
85	0
90	0



LUMINANCE DATA

Vertical Angle	Candelalm ²
45	3076
55	1759
65	1014
75	0
85	0

STANDARD DRIVER INFORMATION (UL Class 2, dry and damp location)

Voltage	120	277
Input Watts (700A/1000A/1000/1500/2100 lumens)	16/21/15/23/26	16/21/15/23/26
Input Current (A) (700A/1000A/1000/1500/2100 lumens)	.13/.18/.13/.19/.22	.06/.08/.05/.08/.09
Output Current (mA)	500-1050	500-1050
Min. Power Factor	0.99	0.99
Operating Temperature Range (F)	-13 to 122	-13 to 122

LUMINAIRE LIGHT OUTPUT AND EFFICACY

LED Module Type	Luminaire Light Output	Luminaire Efficacy (lms/watt)	System Wattage
700 Lumens Artist	339*	21	16*
1000 Lumens Artist	429*	20	21*
1000 Lumens standard	474*	32	15
1500 Lumens standard & Vibrant	753	33	23
2100 Lumens standard	956*	37*	26*

*estimated values

LIGHT OUTPUT MULTIPLIER

700 lumens Artist	1000 lumens Artist	1000 lumens standard	1500 lumens standard & Vibrant	2100 lumens
.45 (estimated)	.57 (estimated)	.63 (estimated)	1	1.27 (estimated)



Town of Lexington
Historical Commission

David Kelland, Chair
Marilyn Fenollosa
Wendall Kalsow
Frank Kern
Sally Zimmerman

1625 Massachusetts Avenue
Lexington, MA 02420
781-862-0500 Ext. 701

October 22, 2015

To Whom it May Concern:

Re : Lexington Arts and Crafts Society Building
130 Waltham Street
Lexington, MA 02421

At a public meeting of the Lexington Historical Commission (LHC) held on October 21, 2015, duly convened and at which a quorum was present and voting, the LHC unanimously determined that the Lexington Arts and Crafts Society Building at 130 Waltham Street, Lexington, MA, is "significant" in the history, archeology, architecture or culture of the Town of Lexington, as such term is used in the definition of "Historic Resources" contained in The Community Preservation Act, Massachusetts General Laws Chapter 44B, Section 2.

Very truly yours,

Marilyn Fenollosa
Acting Chair

**TOWN OF LEXINGTON
COMMUNITY PRESERVATION COMMITTEE**

PROJECT APPLICATION SUMMARY FORM

Project Title: Funding for the purchase of one unit of Affordable Housing, Keeler Farm

APPLICANT INFORMATION

Name of Applicant/Contact Person: Bill Kennedy

Title/Position: Chair, LexHAB

Group or Committee Affiliation (if any): LexHAB

Applicant/Contact Person's address, contact phone number, and email:

135 Wood St., 781-862-2502, kennedy.w@rcn.com

PROJECT INFORMATION

Project Site Address:

Keeler Farm, 71 East St

Project Site Assessors Map/Parcel: N/A

Project Site Deed Book/Page: N/A

Current Owner: N/A

Purpose (please check all that apply)

☐ Open Space

☐ Historic

☐ Recreation

☒ Housing

Brief Project Description: LexHAB is requesting \$185,000 to be used for the purchase of a unit of housing at Keeler farm. The unit will be utilized as affordable housing for one family in perpetuity. LexHAB is applying, concurrently with this application, for HOME funds. If HOME funds are received, the request for CPA funds will be withdrawn.

As has been the case for the last several years, advertising and selecting renters for CPA funded properties will be in compliance with current state requirements for units to count toward the town's stock of affordable housing units for 40B purposes.

Established by a vote of town meeting in 1983, LexHAB was the first local municipal organization in Massachusetts providing rental units to low and moderate income individuals and families. When reviewing applications (except for CPA funded properties), LexHAB considers how urgently housing is needed; that the family size matches the size of the unit; financial need; diversity; and possible Lexington connection. A volunteer nine member board, appointed by the Selectmen, runs LexHAB. CPA funded properties, as stated above, follow a lottery system and

procedures required by the Commonwealth's Department of Housing and Community Development.

As of October 1st, LexHAB owns 64 homes housing 181 people. Approximately 80% of its households had a previous Lexington Connection when they moved into Lexington Housing.

LexHAB units range from 4-bedroom scattered site homes to one-bedroom condominiums. This housing is provided to persons making up to 80% of the median income for the Boston area as set by the federal government. This figure shifts annually, but the current limit as determined by HUD is \$66,600 for a family of four or \$46,500 for an individual. There is also an asset limitation of \$60,000. LexHAB rents are no more than 30% of the family income as verified by the previous year's income tax returns.

COSTS

Fiscal Year	Total Project Cost	CPC Funds Requested	Other Funding Sources (amount and source)
2010			
2011			
2012			
2013			
2014			
2016			
2017	\$185,000	\$185,000	

Signature of Applicant: William P Kennedy Date: Oct 28, 2015

For Community Preservation Committee Use Only:

Application Received On: _____ Project Presented to CPC on: _____
Reviewed by: _____ Determination: _____

Guidelines for the Use of CPA Funding by LexHAB

The following are guidelines agreed upon by the Community Preservation Committee, LexHAB and the Board of Selectmen for the acquisition of affordable units with Town CPA funds. These guidelines will be adhered to for all funds appropriated by the CPC.

- 1) All units purchased with CPA funds shall be submitted for inclusion on the Subsidized Housing Inventory (SHI).
- 2) Each acquisition shall increase the affordable housing stock. Monies shall be spent only on acquisition or rehabilitation of a unit that results in an addition to the pool of affordable units.
- 3) Units to be purchased shall be one or two family (single, duplex or condominium unit).
- 4) The size of the units may be up to 1,500 square feet of habitable space.
- 5) If LexHAB builds the unit, the size may be 3 bedrooms, expandable to 4.
- 6) LexHAB shall try to purchase dwellings on public bus routes, including Lexpress Routes.
- 7) Total CPA funds expended for a unit of housing, including legal and professional services, whether built new on purchased land or purchased and renovated, shall not exceed \$525,000.
- 8) Efforts shall be made to maximize energy efficiency in each unit.
- 9) As a general policy, CPA funds shall not be expended for the demolition of any houses listed or pending listing on the Cultural Resources Inventory.
- 10) When LexHAB identifies a housing unit or land for acquisition, it shall submit a proposal to the CPC and the Capital Expenditures Committee for comment prior to submittal to the Board of Selectmen. Approval by the Board of Selectmen is required for any LexHAB purchase of a unit or of land.
- 11) CPA funds appropriated to LexHAB by Town Meeting shall be identified in a specific MUNIS account. Expenditures against the account shall be submitted to the Town Manager, with a copy to the CPC Administrative Assistant.
- 12) Funds remaining in the LexHAB account may be carried over from year to year for subsequent acquisitions of affordable housing units.

(Approved February 17, 2011)

Signature of Applicant: ____ William P Kennedy _____ Date: Oct 28, 2015

For Community Preservation Committee Use Only:

Application Received On: _____ Project Presented to CPC on: _____
Reviewed by: _____ Determination: _____

Revised - 12/3/2015

**TOWN OF LEXINGTON
COMMUNITY PRESERVATION COMMITTEE**

PROJECT APPLICATION SUMMARY FORM

Project Title: Lexington Housing Authority- Greeley Village Rear Door and Porch
Preservation Project

APPLICANT INFORMATION

Name of Applicant/Contact Person: Caileen Foley - Lexington Housing Authority

Title/Position: Executive Director

Group or Committee Affiliation (if any):

Applicant/Contact Person's address, contact phone number, and email:
1 Countryside Village, Lexington MA 02420
781-861-0900 ; cfoley@lexingtonhousing.org

PROJECT INFORMATION

Project Site Address:
Greeley Village
Lexington, MA 02421
Project Site Assessors Map/Parcel: _____
Project Site Deed Book/Page: _____
Current Owner: Lexington Housing Authority

Purpose (please check all that apply)

_____ Open Space
_____ Historic
_____ Recreation
☒ Housing

Brief Project Description:

The rear entry/exit doors and porches are visibly sagging, have water damage, energy loss and poses a serious structural deterioration issue. There are approximately 100 doors and 75 porches to be replaced.

COSTS

Fiscal Year	Total Project Cost	CPC Funds Requested	Other Funding Sources (amount and source)
2015			
2016			
2017	\$351,000.00	\$263,250.00	\$87,750.00 - DHCD (State)
2018			
2019			
2020			
TOTAL	\$351,000.00	\$263,250.00	\$87,750.00

Signature of Applicant: Caileen B. Foley Date: 12/3/15

For Community Preservation Committee Use Only

Application Received On _____ Project Presented to CPC on _____
Reviewed by _____ Determination _____

LEXINGTON HOUSING AUTHORITY
ONE COUNTRYSIDE VILLAGE, LEXINGTON, MASSACHUSETTS 02420-2576



Nicholas Santosuosso, *Chairman*
Weidong Wang, *Vice-Chairman*
Melinda Walker, *Treasurer*
Robert D. Peters, *Assistant Treasurer*
Leo P. McSweeney, *Commissioner*

TEL 781 861-0900
FAX 781 861-1938
TDD 1-800-545-1833 EXT. 104

Caileen B. Foley, *Executive Director*

December 3, 2015

Town of Lexington
Community Preservation Committee
Lexington, MA 02420

RE: Greeley Village Rear Door and Porch Preservation Project
Revised Application, 12/2/2015

Dear Town of Lexington Community Preservation Committee,

Enclosed please find a revised application for CPA funding. I have added additional information that clearly outlines how the improvements will preserve the actual property from injury, harm or destruction.

I have also revised the budget and requested funding amount. We are now requesting \$263,250.00 instead of \$415,711. I met with an architect who has experience with similar projects, and we reviewed the scope of work and associated costs. This led to a lower total development cost.

Please let me know if you require any further information. I look forward to working together on this and all future projects.

Sincerely,

Caileen Foley
Executive Director

1. Scope or concept of project

We are requesting CPA funding to help finance the preservation of all rear exit doors and porches at Greeley Village. With CPA funding, we will be able to use our funding allocation from the Commonwealth of Massachusetts Department of Housing and Community Development to cover the remaining cost.

Currently, all 100 rear doors to the units are over 50 years old and in dilapidated condition. We would replace all doors with new door, storm door and doorframes. The current doors leak water causing a serious water infiltration issue leading to a deterioration of supportive beams, sagging and warped doors and loss of energy. Concurrently, the rear porches (75 total) leading to the doors are sagging and pose a structural hazard for each building. We would rehabilitate the porches with new steps and railings leading into the unit.

2. Project goals and objectives

We believe the Rear Door and Porch Preservation Project at Greeley Village meets the criteria set forth by the Lexington Community Preservation Committee, specifically: preservation to protect the real property from 'injury harm or destruction'.

The Lexington Housing Authority is the primary provider of low and moderate income housing for residents of the Town of Lexington. We take pride in our vast portfolio of affordable housing, so we place great importance in the preservation required to keep these properties functional as they get older. It is imperative that we promote the use of our current buildings, as developing new public housing is proving increasingly difficult with limited funds.

3. Projected action plan and timeline

Bid out contract: end of 2016
Begin door replacement: beginning 2017
Finish door replacement: summer 2017

4. Anticipated project cost

The anticipated project cost is \$351,000.00

CPA: \$263,250.00

DHCD (State): \$87,750.00

Project Estimation Components – Material and Labor

Description	Notes	Unit Cost	Unit	Quantity	Cost Type	Subtotal
Storm/Screen Door		\$1,200	EACH	100	Dwelling	\$120,000.00
Porch repair		\$2,000	Each	75	Dwelling	\$150,000.00

Labor and Materials: \$270,000.00

Other Cost

Description	Notes	Unit Cost	Unit	Quantity	Cost Type	Subtotal
Contingency - 10%						\$27,000.00
Soft costs (fees/permit) -- 10%						\$27,000.00
Architect -- 10%						\$27,000.00

Others Total: \$81,000.00

Total Development Cost: \$351,000.00

5. Other funding sources, including private/public/in-kind:

The Commonwealth of Massachusetts Department of Housing and Community Development
\$87,750.00

6. CPA funding request:

\$263,250.00

7. Budget justification

The budget for this project was generated through the Commonwealth's Capital Planning System for Housing Authority asset management. The pricing was determined by RS means data, a national average cost information source. It is adjusted for the Boston area, which is 21% higher than the national average.

The proposed scope of work and budget was reviewed with a DHCD approved architect who has experience with this type of project.

8. List and describe any comparable projects

Below are past CPA projects awarded and their status

FY10 Greeley Village Siding Replacement- CPA award \$386,129.
This project is completed

FY11 Vynebrooke Village Drainage Improvements – CPA award \$364,800.
This project is completed

FY14 Greeley Village Front Entrance Project – CPA award \$172,734.00
This project is completed

FY14 Vynebrooke Village Health and Safety improvements – CPA award \$300,551
This project is completed.

FY15 Greeley Village 4 new ADA unit construction – CPA award \$810,674.
This project is in progress and is scheduled for completion Spring 2016.

9. Relevance to community

Maintaining safe, sanitary and affordable housing is imperative to satisfying the needs of low-income families in our community. Currently, the waiting time for a unit at Greeley Village is three years or more. Ensuring these units are kept online through proper preservation procedures is the only way we can continue to serve a needy population.

10. Supporting documents

The Lexington Housing Authority, through the Department of Housing and Community Development (MA State) will fund the remaining amount by allocating funds to this project from its formula funding.



Town of Lexington - FY 2017-FY 2021 Capital Improvement Projects

Project Name: Wright Farm Needs Assessment and Feasibility Study

Date: 15-Oct-15

Project ID Number: 1007

Revision Date: 19-Nov-15

Submitted By: Conservation Commission

Department: Land Use - Conservation

Priority: 1

First Year Submission? ☒ **Phone #:** 781-698-4531 **E-mail:** Conservationcomm@lexingtonma.gov

Description of Project:

With the acquisition of the Wright Farm residential lot, the Town now has an enclosed barn on a portion of land to be incorporated into the previously acquired 12.6 acre Conservation parcel. The barn is in some disrepair and this funding request is to investigate what it would take to renovate the building into a space useable for environmental education programs, among other uses.

Located at 241 Grove Street, this is the northernmost property in Lexington. The historic barn is a three story structure with a shed portion on the back side. While the building appears structurally sound, it is most definitely a barn, and would need significant upgrades to be used as a public space.

The vision for this barn is a rehabilitation into a gateway to Lexington from both Bedford and Burlington, and a new life as an educational center for all community members. Initial conversations have taken place with Lexington Public Schools staff and with education planners at Mass Audubon regarding the possibilities for the property and the space.

The next steps will be to conduct an environmental programming feasibility study and a barn structural and architectural needs assessment to provide such environmental programming. The assessment would involve having the barn thoroughly researched and inspected by an architectural professional to identify structural stability and feasible renovation alternatives and associated costs related to having the barn accessible by the public and providing educational programming.

Justification/Benefit:

Renovation of the Wright Farm Barn would benefit many members of the Lexington community, and would extend to Bedford and Burlington as well, and perhaps beyond. As an educational facility the barn could house a number of activities, from adult education classes to school field trips to preschool nature adventure programs. As we learn more and more about the advantages of outdoor learning experiences for all ages, a space such as this could put Lexington on the forefront of public environmental education.

In addition, maintaining the historic barn will preserve a piece of Lexington's history as an agricultural village. Since there is a significant amount of space available, exhibits on wetland conservation and other town projects could be created to educate community members of various requirements and ongoing projects.

Impact if not completed:

In its present state, the historic barn is only suitable for storage, and is already in need of some maintenance, and will continue to deteriorate without maintenance and upkeep. We have learned that school field trips for off-site learning opportunities are increasingly difficult to schedule, for reasons of both available time during the school day and associated costs. An in-town environmental and outdoor learning center, potentially open to schools of neighboring towns as well, would be welcome addition, especially one that allows easy access to three diverse natural environments-open meadows and grassland areas, protected wetland resource areas, and forested areas-as is true of the Wright Farm. A renovated historic barn could add shelter, bathrooms, classroom, and exhibit space. Such a use would ensure continued presence and preservation of an historic barn structure at the northern entrance of town. If this is feasible, it is an opportunity that the Town should not miss out on.

Timeframe:

This is a long-term project considering the actual, physical rehabilitation of the Wright Farm Barn, but the needs assessment and feasibility study could be completed before the end of FY2017.

Replace. Freq:

0 Years

Stakeholders:

Conservation Commission
Board of Selectmen
Conservation Department
Lexington Public Schools
School Committee
Community Members

Operating Budget Impact:

N/A

Cost Analysis:



Town of Lexington - FY 2017-FY 2021 Capital Improvement Projects

Project Name: Wright Farm Needs Assessment and Feasibility Study

Date: 15-Oct-15

Project ID Number: 1007

Revision Date: 19-Nov-15

Submitted By: Conservation Commission

Department: Land Use - Conservation

Priority 1

First Year Submission? ☒ **Phone #:** 781-698-4531 **E-mail** Conservationcomm@lexingtonma.gov

Funding Source: ☐ Levy ☒ CPA ☐ Revolving ☐ State Aid ☐ Water ☐ Sewer ☐ Recreation ☐ Private ☐ Other

Capital Funding Request

1007	2017	2018	2019	2020	2021	Totals
Site Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Design/Engineer	\$35,000	\$0	\$0	\$0	\$0	\$35,000
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Totals	\$35,000	\$0	\$0	\$0	\$0	\$35,000
CPA Amt. Req.	\$35,000	\$0	\$0	\$0	\$0	

Recurring Cost

\$0.00

Maintenance Cycle

0 Years

CPA Purpose

- ☒ Open Space
- ☐ Recreation
- ☒ Historic
- ☐ Housing

Basis of Cost Projection:

In process of obtaining cost estimates from professional environmental education organizations and professional architects who specialize in historic structures and educational structures.



Town of Lexington - FY 2017-FY 2021 Capital Improvement Projects

Project Name: Antony Park Construction

Date: 01-Oct-15

Project ID Number: 984

Revision Date: 14-Oct-15

Submitted By: D. Pinsonneault

Department: Public Works

Priority: 0

First Year Submission? ☒ **Phone #:** 781-274-8300 ext 1 **E-mail:** dpinson@lexingtonma.gov

Description of Project:

FY17 Request - \$60,000. The Town hired Studio 2112 Landscape Architecture to design a park to commemorate our sister city Antony, France. The location chosen is the far right hand corner of Tower Park. This request is to build a park reflective of French gardens and species. The design will include a sitting wall, pathways, a memorial linking Lexington and Antony and landscaping. To date the Town has worked with the Tourism Committee to install a water line and do the initial grading. The FY17 funding request is needed to complete the park construction.

Justification/Benefit:

In 2010, the Selectmen authorized the Tourism Committee to build a Park adjacent to Tower Park to be named "Antony Park" in honor of our Sister City of Antony, France. During the visit of the Antony Mayor in April of that year a sign was presented to the citizens of Antony designating the area for a future park. In 1999, Antony dedicated "Place de Lexington" in the Town's honor. The proposed park will be an enhancement to Tower Park and be open to all residents and groups visiting Lexington. It will provide gathering space, quiet space and demonstrate the Town's commitment to the sister city program.

Impact if not completed:

The Town has been in communication with Antony, France to discuss a park being established in Lexington to commemorate the sister city relationship. The Tourism Committee has received some donations to apply towards the park. Failure to complete the park will leave the Town with a partially constructed area that will have to be restored and the result will have to be communicated to Antony.

Timeframe:

Construction will be scheduled for the summer and fall of 2016.

Replace. Freq:

0 Years

Stakeholders:

Tourism Committee, Town Residents

Operating Budget Impact:

There will be minimal impact on the operating budget.

Cost Analysis:

Funding Source: ☐ Levy ☒ CPA ☐ Revolving ☐ State Aid ☐ Water ☐ Sewer ☐ Recreation ☒ Private ☐ Other

Capital Funding Request

984	2017	2018	2019	2020	2021	Totals
Site Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Design/Engineer	\$4,800	\$0	\$0	\$0	\$0	\$4,800
Construction	\$52,200	\$0	\$0	\$0	\$0	\$52,200
Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$3,000	\$0	\$0	\$0	\$0	\$3,000
Totals	\$60,000	\$0	\$0	\$0	\$0	\$60,000
CPA Amt. Req.	\$60,000	\$0	\$0	\$0	\$0	

Recurring Cost

\$0.00

Maintenance Cycle

0 Years

CPA Purpose
<input checked="" type="radio"/> Open Space
<input type="radio"/> Recreation
<input type="radio"/> Historic
<input type="radio"/> Housing

Basis of Cost Projection:

Bid estimates provided by the architect.



Town of Lexington - FY 2017-FY 2021 Capital Improvement Projects

Project Name: Minuteman Bikeway Wayfinding **Date:** 30-Dec-14
Project ID Number: 969 **Revision Date:** 28-Oct-15
Submitted By: B. Hadley **Department:** Public Works **Priority:** 0
First Year Submission? ☒ **Phone #:** 781-274-8314 **E-mail:** whadley@lexingtonma.gov

Description of Project:

FY 2017 Request: \$120,000. This request is to fund the purchase and installation of wayfinding, intersection and etiquette signage related to the Minuteman Bikeway in Lexington. The signage is one of the recommendations in the report entitled 'Navigating the Minutemen Bikeway' which was completed with the cooperation of the Bicycle Advisory Committee as well as representatives from the towns of Arlington and Bedford. The goal of this project is to design and install signage along the bikeway and adjacent roads and connections points. The signage will provide information to users which includes direction on accessing the bikeway, what can be found nearby by the bikeway (i.e. businesses, shops, banks, restaurants, etc.), and etiquette signs on the bikeway clearly describing the rules of etiquette for users. The tasks include the purchase and installation of the signs, project oversight and GIS mapping of the signs.

Justification/Benefit:

Improved signage will likely increase ridership of the bikeway, increase the likelihood of bikeway users to frequent Lexington establishments, and provide a safer bikeway for casual users as well as commuters.

Impact if not completed:

Failure to approve this request will prevent the town from making any substantial improvements to the wayfinding along the bikeway. Users of the bikeway will be unclear on the available amenities that Lexington offers in locations that are close to the bikeway. The antiquated etiquette signs will remain, which give poor instruction to the users.

Timeframe:

A consultant has been hired to develop the plan with implementation scheduled for FY17.

Replace. Freq:

10 Years

Stakeholders:

Lexington residents, Bicycle Advisory Committee, other Town Departments and bikeway users.

Operating Budget Impact:

Minimal operating budget impact.

Cost Analysis:

Funding Source: ☐ Levy ☒ CPA ☐ Revolving ☐ State Aid ☐ Water ☐ Sewer ☐ Recreation ☐ Private ☐ Other

Capital Funding Request

969	2017	2018	2019	2020	2021	Totals
Site Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Design/Engineer	\$10,000	\$0	\$0	\$0	\$0	\$10,000
Construction	\$100,000	\$0	\$0	\$0	\$0	\$100,000
Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$10,000	\$0	\$0	\$0	\$0	\$10,000
Totals	\$120,000	\$0	\$0	\$0	\$0	\$120,000
CPA Amt. Req.	\$120,000	\$0	\$0	\$0	\$0	\$0

Recurring Cost

\$200.00

Maintenance Cycle

10 Years

CPA Purpose

- ☐ Open Space
☒ Recreation
☐ Historic
☐ Housing

Basis of Cost Projection:

Cost estimate provided by Toole Design.



Town of Lexington - FY 2017-FY 2021 Capital Improvement Projects

Project Name: Town Pool Renovation

Date: 30-Aug-05

Project ID Number: 283

Revision Date: 15-Oct-15

Submitted By: Karen Simmons

Department: Recreation

Priority: 1

First Year Submission? ☐ **Phone #:** 781-862-0500 x8480 **E-mail:** ksimmons@lexingtonma.gov

Description of Project:

The Recreation Committee is requesting \$166,000 in FY2017 for the design and engineering costs and construction/bid documents associated with Phase III of a multi-phased program of renovations to the Irving H. Mabee Pool Complex. The phased approach was identified in the Engineering Consultant's Study completed in FY2008 by Bargmann Hendrie and Archetype. The implementation of Phase III is scheduled for FY2018 and will include replacing the filtration systems, which are beyond their life expectancy, as well as other work necessary for the successful operation of the Irving H. Mabee Town Pool Complex to continue in the future. The building will have to be enlarged in order to accommodate four new filtration systems. The Garrity, Main (lap and Diving Pools share a common filter system. The Department of Public Health regulations have changed over the years and replacement of the filtration system will now require each pool to have its own filter to be in compliance with the current regulation. By having the pools on a common filter, if a situation occurs that warrants closing a pool, all three pools must be closed. Phase III of the project will also include a reconfiguration of the Wading Pool with the inclusion of new amenities such as water spray features which will help attract families with young children to the facility.

The cost of the project has increased based on an updated cost estimate. Due to the scope and complexity of this renovation project, it was determined that the design/engineering costs should be separated from the construction costs to give us a more accurate estimate for the cost of the project. Therefore, the FY2017 funding request is for the design/engineering costs for Phase III and the FY2018 funding request will be for the construction and implementation of Phase III.

Replacement of the filtrations system is a large undertaking and this project would include the following work:

- Expansion of the filter room (an addition to the building is required).
- Replacement of piping between existing surge tank and filter room (Main and Dive Pools).
- Replacement of piping between Garrity Pool and filter room.
- Removal and replacement of concrete decks to access piping.
- Upgrade of electrical service to 600 Amps required for new filtration systems.

In addition, the results of the pool facility audit recommended the following:

- Reconfiguration of the Wading Pool and installation of new water spray features.
- Replacement of the existing roof.
- Replastering of the Wading, Main, and Dive Pools.
- Replacement of the three diving boards.
- Reconfiguration of the three one-meter diving board rails (which do not meet code).
- Installation of new lifeguard chairs.
- Replacement of the fencing with new black vinyl-coated chain link fencing and gates.
- Resetting of the copings for the Wading Pool.
- Installation of a new shade structure.

Justification/Benefit:

The Irving H. Mabee Pool Complex is a heavily used recreation facility during the summer. Attendance at the Center Pool Complex averages 75,000 people each summer. While the facility continues to operate safely, the filtration system was last updated in 1980. The consultant's report provided the Town with a detailed list of recommended upgrades and repairs needed, thus allowing the Town to plan and budget the upgrades and repairs effectively and responsibly. With each year, the efficiency and effectiveness of the filtration systems and chlorinators decreases. Repairs become more costly as the filtration system breaks down more frequently. The improvements to the filtration system will bring the system into compliance. Funding was approved in 2010 for Phase I and 2011 for Phase II. Phase I and Phase II are complete.

Impact if not completed:

If immediate needs are not identified and addressed, the pool may need to be closed for an extended period of time during the peak season, thus affecting the residents and decreasing revenues.

Timeframe:

2017-2018

Replace. Freq:

30 Years

Stakeholders:

Residents, Non-residents, Recreation & Community Programs, DPW, Health Department, Lexington Public Schools

Operating Budget Impact:



Town of Lexington - FY 2017-FY 2021 Capital Improvement Projects

Project Name: Town Pool Renovation

Date: 30-Aug-05

Project ID Number: 283

Revision Date: 15-Oct-15

Submitted By: Karen Simmons

Department: Recreation

Priority 1

First Year Submission? ☐ **Phone #:** 781-862-0500 x8480 **E-mail** ksimmons@lexingtonma.gov

Repairs to the filtration system and plumbing system has become an annual occurrence which impacts the operating budget.

Cost Analysis:

Funding Source: ☐ Levy ☒ CPA ☐ Revolving ☐ State Aid ☐ Water ☐ Sewer ☐ Recreation ☐ Private ☐ Other

Capital Funding Request

283	2017	2018	2019	2020	2021	Totals
Site Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Design/Engineer	\$166,000	\$0	\$0	\$0	\$0	\$166,000
Construction	\$0	\$1,500,000	\$0	\$0	\$0	\$1,500,000
Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$120,000	\$0	\$0	\$0	\$120,000
Totals	\$166,000	\$1,620,000	\$0	\$0	\$0	\$1,786,000
CPA Amt. Req.	\$166,000	\$1,620,000	\$0	\$0	\$0	

Recurring Cost

\$0.00

Maintenance Cycle

1 Years

CPA Purpose

- ☐ Open Space
- ☒ Recreation
- ☐ Historic
- ☐ Housing

Basis of Cost Projection:

The initial cost estimate is based on the Pool Facility Audit completed by Bargmann Hendrie + Archetype, Inc. in February 2008. It was updated in the spring of 2015. Design and engineering costs are based on 10% and contingency is based on 8%.



Town of Lexington - FY 2017-FY 2021 Capital Improvement Projects

Project Name: Park Improvements- Hard Court Resurfacing

Date: 13-Aug-07

Project ID Number: 532

Revision Date: 03-Sep-15

Submitted By: Chris Filadoro/Karen Simmons

Department: Recreation

Priority: 6

First Year Submission? ☐ **Phone #:** 781-274-8355 **E-mail:** cfiladoro@lexingtonma.gov

Description of Project:

The Recreation Committee requests funds to institute and carry out a hard court resurfacing program. The program includes resurfacing, painting and striping the hard court surfaces at Recreation facilities. These facilities include neighborhood Basketball Courts, Center Track and Tennis Courts at the Center Complex, Clarke Middle School and Valley.

The FY2017 request is for \$61,000 to rehabilitate the basketball courts at Rindge Park and Kinneens Park. The project will include reconstruction of the courts and installation of new backboards/poles. The current surfaces have extensive cracks and frost heaves which will require a reconstruction. It will also include funding to purchase and permanently install a bike rack at each site.

Future projects:

FY2019 - \$58,000 - Adams Park - resurface, paint, and restripe the Adams Tennis Courts and the Adams Basketball Court and installation of a bike rack.

FY2020 - \$43,000 - Valley Tennis Courts - resurface, paint, and restripe the tennis courts and installation of a bike rack.

FY2021 - \$65,000 - Center Basketball Courts - resurface, paint, and restripe the basketball courts and installation of a bike rack

Justification/Benefit:

Over the past 18 years, the Town has supported and invested in an upgrading of the town's recreation infrastructure. The hard court resurfacing program is a program for hard surface athletic facilities which include basketball, tennis, track and the skatepark. The program will include resurfacing and painting the hard court surfaces and installing new posts, backboards, nets and rims at Recreation facilities. It is important to maintain these valuable assets in the community to ensure their usability and the safety of the users. It is important to maintain the Town's recreation infrastructure.

Impact if not completed:

The impact of not approving the request is a deterioration of the athletic facilities and unsafe conditions for the residents in the community

Timeframe:

Fall 2016

Replace. Freq:

15 Years

Stakeholders:

neighborhood families and residents

Operating Budget Impact:

Failure to maintain the infrastructure will result in higher repair costs and/or complete reconstruction.

Cost Analysis:

Funding Source: ☐ Levy ☒ CPA ☐ Revolving ☐ State Aid ☐ Water ☐ Sewer ☐ Recreation ☐ Private ☐ Other

Capital Funding Request

532	2017	2018	2019	2020	2021	Totals
Site Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Design/Engineer	\$7,000	\$0	\$6,000	\$6,000	\$8,000	\$27,000
Construction	\$47,000	\$0	\$45,000	\$30,000	\$50,000	\$172,000
Equipment	\$2,000	\$0	\$2,000	\$2,000	\$2,000	\$8,000
Contingency	\$5,000	\$0	\$5,000	\$5,000	\$5,000	\$20,000
Totals	\$61,000	\$0	\$58,000	\$43,000	\$65,000	\$227,000
CPA Amt. Req.	\$61,000	\$0	\$58,000	\$43,000	\$65,000	

Recurring Cost

\$0.00

Maintenance Cycle

5 Years

CPA Purpose

- ☐ Open Space
☒ Recreation
☐ Historic
☐ Housing



Town of Lexington - FY 2017-FY 2021 Capital Improvement Projects

Project Name: Park Improvements- Hard Court Resurfacing **Date:** 13-Aug-07
Project ID Number: 532 **Revision Date:** 03-Sep-15
Submitted By: Chris Filadoro/Karen Simmons **Department:** Recreation **Priority** 6
First Year Submission? ☐ **Phone #:** 781-274-8355 **E-mail** cfiladoro@lexingtonma.gov

Basis of Cost Projection:

The cost estimates are based on similar past projects.



Town of Lexington - FY 2017-FY 2021 Capital Improvement Projects

Project Name: Granite Forest at Lincoln Park

Date: 26-Aug-15

Project ID Number: 976

Revision Date: 28-Aug-15

Submitted By: Karen Simmons

Department: Recreation

Priority: 2

First Year Submission? ☒ **Phone #:** 781-698-4801

E-mail: ksimmons@lexingtonma.gov

Description of Project:

This request is for \$30,000 from the CPA to install a monumental work of "Public Art" at Lincoln Park. This is a public/private partnership of which \$30,000 is requested from the CPA and \$45,000 will be raised privately by the Lincoln Park Sub-Committee. The design calls for the installation of a notable landscape feature "The Granite Forest". The Granite Forest is a greenway corridor connecting the lower park to the upper park. It will have granite benches and will be landscaped with trees and shrubs. It will be located in the meadow between the multipurpose athletic field and the woodland/meadow gardens of Lincoln Park. This is along a high traffic path connecting the high school campus to the upper section of Lincoln Park. The primary material for the design started with the opportunity to utilize 11 antique granite foundation stones from the Issac Mulliken House built around 1850 and located at 2013 Massachusetts Ave. This house was being moved and renovated as part of the Inn at Hastings Park project. The granite was donated by Mr. and Mrs. Michael Kennealy. These 11 pieces of hand carved granite range in size from 5 feet to 11 feet and are a priceless reminder of earlier methods of building. Ultimately, it is the intent to have text carved into the granite adding a layer of ecology, history and poetry art. This is modeled after Thoreau's Path at Bisters Hill in Concord.

Justification/Benefit:

The Granite Forest is to serve as a landmark, providing a gathering space for individuals using the nature path, the playground and the athletic fields. This much used and loved area serves as a quiet, peaceful link between the two major recreation areas in Town; The Center Recreation Complex and Lincoln Park. It will exemplify the principal of adaptive reuse and creativity in the park environment and will provide a window on the ecological and social processes which shape the landscape. The spirit of reclamation is alive at Lincoln Park as it continues its transformation from a landfill to a thriving recreational and nature treasure. It is also the location of the Teresa and Roberta Lee Fitness/Nature Path, Dick Kirk Overlook and the Azalea Woods.

Impact if not completed:

The Town would lose this opportunity to connect the lower and upper park utilizing historical building material.

Timeframe:

Fall 2016

Replace. Freq:

0 Years

Stakeholders:

Lexington residents

Operating Budget Impact:

This project was initiated and will be maintained by the Lincoln Park Sub-Committee.

Cost Analysis:

Funding Source: ☐ Levy ☒ CPA ☐ Revolving ☐ State Aid ☐ Water ☐ Sewer ☐ Recreation ☒ Private ☐ Other

Capital Funding Request

976	2017	2018	2019	2020	2021	Totals
Site Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Design/Engineer	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$30,000	\$0	\$0	\$0	\$0	\$30,000
Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
Totals	\$30,000	\$0	\$0	\$0	\$0	\$30,000
CPA Amt. Req.	\$30,000	\$0	\$0	\$0	\$0	

Recurring Cost

\$0.00

Maintenance Cycle

0 Years

CPA Purpose
<input checked="" type="radio"/> Open Space
<input checked="" type="radio"/> Recreation
<input type="radio"/> Historic
<input type="radio"/> Housing



Town of Lexington - FY 2017-FY 2021 Capital Improvement Projects

Project Name: Granite Forest at Lincoln Park

Date: 26-Aug-15

Project ID Number: 976

Revision Date: 28-Aug-15

Submitted By: Karen Simmons

Department: Recreation

Priority 2

First Year Submission? ☒ **Phone #:** 781-698-4801 **E-mail** ksimmons@lexingtonma.gov

Basis of Cost Projection:

Based on cost estimate by the architect in 2014 and a quote from a contractor.



Town of Lexington - FY 2017-FY 2021 Capital Improvement Projects

Project Name: Park Improvements - Athletic Fields

Date: 15-Sep-06

Project ID Number: 518

Revision Date: 28-Aug-15

Submitted By: Chris Filadoro

Department: Recreation

Priority: 5

First Year Submission? ☐ **Phone #:** 781-274-8355 **E-mail:** cfiladoro@lexingtonma.gov

Description of Project:

The Recreation Committee requests \$120,000 in FY2017 to renovate the Adams Park Multipurpose athletic field located behind the Waldorf School. The renovation to the multipurpose field will include laser grading the athletic field, grading for proper drainage, and adding permanent park benches. The Town of Lexington athletic fields see excessive use and timely renovations and replacement are critical to provide safe and playable fields for all user groups. The athletic field is used by the Waldorf School during the day and by youth organizations evenings and weekends.

Proposed future renovations will include turf, drainage, and irrigation (where applicable, and site amenities (benches, backstops, etc.):

FY2018 - \$125,000 - Harrington Baseball and Softball Fields

FY2019 - \$150,000 - New in-ground irrigation systems at the Hastings, Bowman and Franklin.

FY2020 - \$400,000 - Diamond School Field renovation will include drainage, laser grading, and new irrigation controls.

FY2021 - \$75,000 - Computerized Irrigation Controls for all in-ground Town systems.

Justification/Benefit:

Safety for all participants is the major concern and improving upon the safety of the fields is the major benefit to all users. The Town of Lexington athletic fields are constantly used by recreation, school, youth, and adult groups. They are in need of major repairs that cannot be completed within the operating budget. There are safety issues with faulty backstops, uneven turf, uneven infield areas, and drainage. This is an ongoing multi-year capital program to address safety and playability concerns and to provide adequate and safe field conditions for neighborhood families, recreation, and school programs. The benefit would be to renovate the fields to a condition where they will be safe, playable, and more easily maintained.

Impact if not completed:

The Public Works Department oversees the maintenance of the school and Town athletic facilities. The impact of not approving this request is a continuing deterioration of the fields which may lead to injuries and cancellation of games. This will impact the School teams, youth leagues, adult leagues, and Recreation programs and affect the quality of life in Lexington.

Timeframe:

Develop specifications after Town Meeting approval and perform renovations beginning fall of 2016.

Replace. Freq:

10 Years

Stakeholders:

Residents, non-residents, Lexington Public Schools and Waldorf School, Youth League programs, DPW, Recreation & Community Programs Department

Operating Budget Impact:

DPW staff hours, equipment and materials costs should decrease with improved field conditions that will require routine maintenance and not emergency repairs.

Cost Analysis:

Funding Source: ☐ Levy ☒ CPA ☐ Revolving ☐ State Aid ☐ Water ☐ Sewer ☐ Recreation ☐ Private ☐ Other

Capital Funding Request

518	2017	2018	2019	2020	2021	Totals
Site Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Design/Engineer	\$15,000	\$10,000	\$0	\$20,000	\$0	\$45,000
Construction	\$100,000	\$110,000	\$145,000	\$365,000	\$0	\$720,000
Equipment	\$0	\$0	\$0	\$0	\$75,000	\$75,000
Contingency	\$5,000	\$5,000	\$5,000	\$15,000	\$0	\$30,000
Totals	\$120,000	\$125,000	\$150,000	\$400,000	\$75,000	\$870,000
CPA Amt. Req.	\$120,000	\$125,000	\$150,000	\$400,000	\$75,000	

Recurring Cost

\$0.00

Maintenance Cycle

1 Years

CPA Purpose

- ☐ Open Space
- ☒ Recreation
- ☐ Historic
- ☐ Housing



Town of Lexington - FY 2017-FY 2021 Capital Improvement Projects

Project Name: Park Improvements - Athletic Fields

Date: 15-Sep-06

Project ID Number: 518

Revision Date: 28-Aug-15

Submitted By: Chris Filadoro

Department: Recreation

Priority 5

First Year Submission? ☐ **Phone #:** 781-274-8355 **E-mail** cfiladoro@lexingtonma.gov

Basis of Cost Projection:

Cost projections are based on similar past projects and information from vendors and architects.



Town of Lexington - FY 2017-FY 2021 Capital Improvement Projects

Project Name: Park and Playground Improvements

Date: 30-Aug-05

Project ID Number: 282

Revision Date: 03-Sep-15

Submitted By: Chris Filadoro

Department: Recreation

Priority: 4

First Year Submission? ☐ **Phone #:** 781-274-8355 **E-mail:** cfiladoro@lexingtonma.gov

Description of Project:

The Recreation Committee requests \$75,000 in FY2017 to replace the safety fencing at the Center Recreation Complex along Worthen Road and at the Muzzey Multipurpose Field along Massachusetts Ave. The improvements will include removing, disposing and installing approximately 1,200 l/f of new chain link fence between both locations. Approximately 800 l/f at 4' height and approximately 400 l/f at 8' height. The 8' height is requested next to the baseball and softball field to minimize balls from hitting vehicles along Worthen Road.

FY2018 - \$60,000 to replace and update the swing sets and install bike racks at Bow Street Park, Franklin Park and Munroe Park. Install safety surface.

FY2020- \$70,000 to update and replace the playground equipment at Sutherland Park and install a bike rack. Install safety surface.

FY2021- \$70,000 to update and replace the playground equipment at Rindge Park and install a bike rack. Install safety surface.

The proposed playground improvements will renovate and rehabilitate existing safety surfacing and equipment so that all sites will be in compliance with the Consumer Product Safety Commission (CPSC), American Society for Testing and Materials (ASTM) and the American with Disabilities Act (ADA).

Justification/Benefit:

The existing fence is over 40 years old and is in disrepair. For safety it is recommended to replace the fence at the Center Recreation Complex and at Muzzey Field.

Impact if not completed:

Over the years, frost heaves has caused the fence posts to come out of the ground and the fence is falling over requiring replacement. The current playground equipment, use zones, and surfacing do not comply with CPSC, ASTM or ADA standards. As the equipment continues to age and deteriorate, more frequent inspections, repairs and equipment removal will be needed to ensure that the users are safe. This is neither cost effective nor efficient.

Timeframe:

Fall 2016

Replace. Freq:

30 Years

Stakeholders:

Residents

Operating Budget Impact:

no impact to the operating budget

Cost Analysis:

Funding Source: ☐ Levy ☒ CPA ☐ Revolving ☐ State Aid ☐ Water ☐ Sewer ☐ Recreation ☐ Private ☐ Other

Capital Funding Request

282	2017	2018	2019	2020	2021	Totals
Site Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Design/Engineer	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$72,000	\$15,000	\$0	\$20,000	\$20,000	\$127,000
Equipment	\$0	\$42,000	\$0	\$45,000	\$45,000	\$132,000
Contingency	\$3,000	\$3,000	\$0	\$5,000	\$5,000	\$16,000
Totals	\$75,000	\$60,000	\$0	\$70,000	\$70,000	\$275,000
CPA Amt. Req.	\$75,000	\$60,000	\$0	\$70,000	\$70,000	

Recurring Cost

\$0.00

Maintenance Cycle

1 Years

CPA Purpose

- ☐ Open Space
- ☒ Recreation
- ☐ Historic
- ☐ Housing



Town of Lexington - FY 2017-FY 2021 Capital Improvement Projects

Project Name: Park and Playground Improvements

Date: 30-Aug-05

Project ID Number: 282

Revision Date: 03-Sep-15

Submitted By: Chris Filadoro

Department: Recreation

Priority 4

First Year Submission? ☐ **Phone #:** 781-274-8355 **E-mail** cfiladoro@lexingtonma.gov

Basis of Cost Projection:

The cost projections are based on similar renovation projects.



Town of Lexington - FY 2017-FY 2021 Capital Improvement Projects

Project Name: Grain Mill Alley Improvements Feb 2016

Date: 14-Oct-15

Project ID Number: 1005

Revision Date:

Submitted By: Melisa Tintocalis

Department: Economic Dev

Priority: 0

First Year Submission? ☒ **Phone #:** 781-698-4567 **E-mail:** mtintocalis@lexingtonma.gov

Description of Project:

The project includes enhancing the pedestrian and bicycle safety and creating a defined bikeway node that will visually connect to a passive open space designed in the public right of way at Massachusetts Avenue. The project would also even out the ground surface at the bikeway node and add a speed table intended to slow down vehicles that drive through the public parking lot. Town Meeting approved \$18,000 in FY16 for design development and field testing concepts of the space; to date, there remains \$5,000 in this account. The request includes design funds to bring the conceptual designs to 100% and construction funds for implementation.

Justification/Benefit:

The bikeway-to-alley connection is used year-round by over 300,000 users. It is a critical passage that connects people from the parking lot and bikeway to the retail corridor, channeling the much needed foot traffic to our local businesses. Improvements are necessary to provide quality pedestrian and bicycle conditions and lighting for safe passage, as well as orienting people to the Center. This project will ensure an enjoyable Center experience resulting in more foot traffic and business activity for Center merchants, as well as serve as a catalyst for reinvestment in the Center. This project meets the CPA requirements for creating and rehabilitating recreation space.

Impact if not completed:

Timeframe:

Replace. Freq:

15 Years

Stakeholders:

Residents, Visitors, Bicyclists, Center users such as Lexington High School students. The project is supported by the Center Committee and the Board of Selectmen's Ad Hoc Grain Mill Alley Steering Committee.

Operating Budget Impact:

Cost Analysis:

Funding Source: ☐ Levy ☒ CPA ☐ Revolving ☐ State Aid ☐ Water ☐ Sewer ☐ Recreation ☐ Private ☒ Other

Capital Funding Request

1005	2017	2018	2019	2020	2021	Totals
Site Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
Design/Engineer	\$20,000	\$0	\$0	\$0	\$0	\$20,000
Construction	\$153,165	\$0	\$0	\$0	\$0	\$153,165
Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$45,949	\$0	\$0	\$0	\$0	\$45,949
Totals	\$219,114	\$0	\$0	\$0	\$0	\$219,114
CPA Amt. Req.	\$0	\$0	\$0	\$0	\$0	

Recurring Cost

\$0.00

Maintenance Cycle

0 Years

CPA Purpose
<input type="radio"/> Open Space
<input type="radio"/> Recreation
<input type="radio"/> Historic
<input type="radio"/> Housing

Basis of Cost Projection:

Cost estimates provided by GroundView Architects to the Economic Development Office. CPA funds requested: \$204,114; Other funds include the Center Stabilization funds (\$10,000) and the remaining funds in the FY16 CPA account (\$5,000)

AGENDA ITEM SUMMARY

LEXINGTON BOARD OF SELECTMEN MEETING

AGENDA ITEM TITLE:

Article Presentations - Tree Committee (20 min.)

PRESENTER:

Nancy Sofen and Karen Longeteig,
Tree Committee Members

ITEM NUMBER:

I.4

SUMMARY:

Ms. Sofen and Ms. Longeteig will make a presentation on the proposed warrant articles for the Annual Town Meeting.

SUGGESTED MOTION:

FOLLOW-UP:

DATE AND APPROXIMATE TIME ON AGENDA:

3/2/2016

7:40 PM

ATTACHMENTS:

Description	Type
 Tree Committee Presentation	Presentation

Tree By-Law Amendments

Nancy Sofen and Karen Longeteig, Tree Committee

Purpose:

Since the Tree By-law was enacted in 2002, over **1,890 trees**, representing **16,416 diameter inches** have been removed from the setback areas of residential lots.

In addition to environmental costs, the loss of trees is changing the appearance of our neighborhoods.

To preserve and strengthen our tree canopy for the next generation, two proposed By-Law amendments would

- 1) encourage the replanting of **large native canopy trees** and
- 2) prevent the removal of “**significant trees**,” canopy trees with a DBH of 30” and greater.

Amendments proposed by the **TREE COMMITTEE**

Members:

John Frey, Chair
Jewel Kuljian
Karen Longeteig
Gerry Paul
Anne Senning
Nancy Sofen
Jim Wood
Suzanne Barry, BOS Liaison
Christopher Filodoro, Tree Warden
Ginna Johnson, Planning Liaison

Tree By-Law Amendments

AMEND TREE BYLAW: INCENTIVE FOR REPLANTING LARGE CANOPY SPECIES

120-8.C.1 Protected Trees

Current

Replanting of trees: such replanting shall be on the basis of one inch of caliper of new tree(s) for each inch of DBH of tree(s) removed, and each replanted tree must have a minimum caliper of three inches.

New

Replanting of trees: such replanting shall be on the basis of one inch of caliper of new tree(s) for each inch of DBH of tree(s) removed **except, to encourage the replanting of canopy species, for each replanted tree listed in the Canopy Tree Table of the Lexington Tree Manual, replanting shall be on the basis of 1/2 inch of caliper of new tree(s) for each inch of DBH of tree(s) removed.** Each replanted tree must have a minimum caliper of three inches.

Summary:

- Encourages replanting canopy species rather than small ornamentals
- Varieties on Tree Committee Canopy Tree Table given “double credit” when replanting

Tree By-Law Amendments



AMEND TREE BY-LAW: PRESERVATION OF SIGNIFICANT TREES

Tulip tree shading yard
and street.

Tree By-Law Amendments

AMEND TREE BY-LAW: PRESERVATION OF SIGNIFICANT TREES

Stump of 40" maple removed
at Pleasant Street tear-down.
It was only significant tree for
100 yards on that side of street.



Tree By-Law Amendments



AMEND TREE BY-LAW: PRESERVATION OF SIGNIFICANT TREES

The Town routed the new sidewalk around this red oak on Concord Avenue.

Tree By-Law Amendments

AMEND TREE BY-LAW: PRESERVATION OF SIGNIFICANT TREES

A.

It is unlawful for any person to cut, trim or remove, in whole or in part, any significant tree, even if such person is the owner of the fee in the land on which such tree is situated, except upon a permit in writing from the Tree Warden, and only to the extent of the terms and conditions of such permit.

B.

The Tree Warden shall grant a permit for tree removal upon receiving a determination from a Commonwealth-certified arborist that the tree is a hazard.

C.

For purposes of this section, a "significant tree" is any protected tree (as defined in section 120.3) **in conjunction with demolition or major construction** which is 30 inches in DBH or greater.

D.

Each person is held responsible for ascertaining the diameter of any tree prior to such person cutting, trimming or removing same, in whole or in part.

continued next slide

Summary:

- Applies to trees in setbacks during significant construction.
- Any protected tree in setback area which is 30" in DBH or greater deemed a "significant tree"
- Prohibits removal of significant trees that are not hazardous

Tree By-Law Amendments

AMEND TREE BY-LAW: PRESERVATION OF SIGNIFICANT TREES

E.

A person who is aggrieved by the provisions of this section and for cause shown may apply directly to the Board of Selectmen for a permit to cut, trim or remove, in whole or in part, any significant tree which is otherwise protected under this section. **The Board may approve such application** so long as such Board, in the exercise of its discretion, is satisfied that such applicant would sustain a hardship, financial or otherwise, which outweighs any detriment to the public interest that would result in the application of this section. For the purpose of this section, "hardship" is the loss of an advantage. It may include, but not be limited to, a monetary advantage or the advantage to put property to a particular use.

F.

A payment to the Lexington Tree Fund in the amount of the **value of the tree(s), as estimated by an arborist currently certified by the American Society of Consulting Arborists,** will be required for any significant tree(s) removed without permission.

Summary:

- Appeal process to BOS for hardship
- Removal without permission requires payment to tree fund equal to estimated value

AGENDA ITEM SUMMARY

LEXINGTON BOARD OF SELECTMEN MEETING

AGENDA ITEM TITLE:

Road Reconfiguration Trials (25 min.)

PRESENTER:

John Livsey, Town Engineer

ITEM NUMBER:

I.5

SUMMARY:

The Engineering Division will be field testing the alternatives listed to evaluate the impacts. This testing will include field observations. A presentation will be given to the board to explain the plan for field testing and field observations.

SUGGESTED MOTION:

Confirm the endorsement of testing the alternatives.

FOLLOW-UP:

Post evaluation of the alternatives we will return to the Board to discuss the findings and get direction as to the most appropriate design.

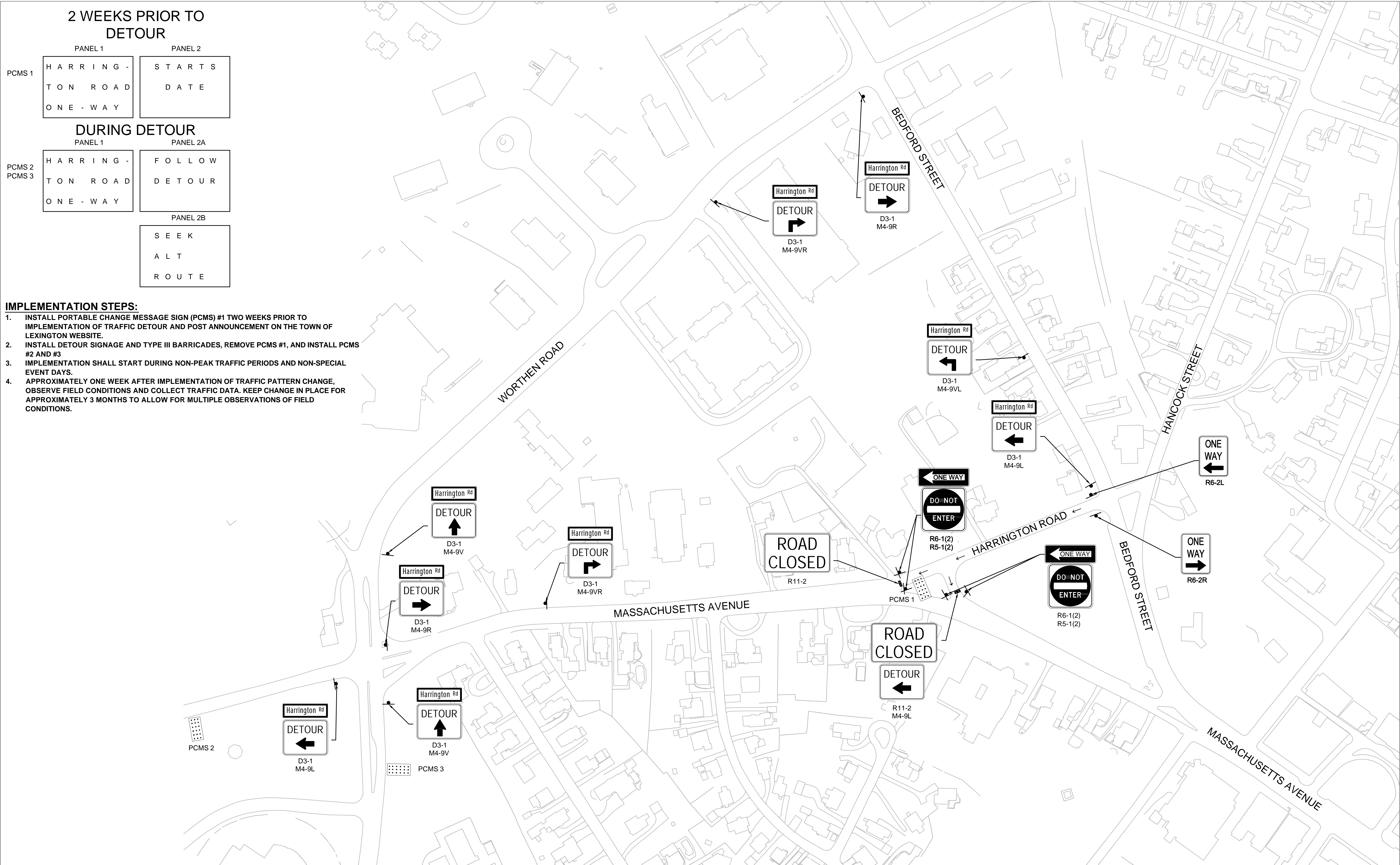
DATE AND APPROXIMATE TIME ON AGENDA:

3/2/2016

8:00 PM

ATTACHMENTS:

Description	Type
☐ Harrington Road Proposals	Backup Material
☐ Mass. Avenue-Waltham Street	Backup Material



2 WEEKS PRIOR TO
DETOUR

PANEL 1

PCMS 1

HARRINGTON -
TON ROAD
ONE - WAY

PANEL 2

STARTS
DATE

DURING DETOUR

PANEL 1

PCMS 2
PCMS 3

HARRINGTON -
TON ROAD
ONE - WAY

PANEL 2A

FOLLOW
DETOUR

PANEL 2B

SEEK
ALT
ROUTE

- IMPLEMENTATION STEPS:**
1. INSTALL PORTABLE CHANGE MESSAGE SIGN (PCMS) #1 TWO WEEKS PRIOR TO IMPLEMENTATION OF TRAFFIC DETOUR AND POST ANNOUNCEMENT ON THE TOWN OF LEXINGTON WEBSITE.
 2. INSTALL DETOUR SIGNAGE AND TYPE III BARRICADES, REMOVE PCMS #1, AND INSTALL PCMS #2 AND #3
 3. IMPLEMENTATION SHALL START DURING NON-PEAK TRAFFIC PERIODS AND NON-SPECIAL EVENT DAYS.
 4. APPROXIMATELY ONE WEEK AFTER IMPLEMENTATION OF TRAFFIC PATTERN CHANGE, OBSERVE FIELD CONDITIONS AND COLLECT TRAFFIC DATA. KEEP CHANGE IN PLACE FOR APPROXIMATELY 3 MONTHS TO ALLOW FOR MULTIPLE OBSERVATIONS OF FIELD CONDITIONS.

NUMBER	DATE	MADE BY	CHECKED BY	DESCRIPTION
REVISIONS				

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TAD

DESIGNED BY:
MWW

CHECKED BY:
MWW

PE STAMP:

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HARRINGTON ROAD EASTBOUND TRIAL CLOSURE

TRAFFIC DETOUR PLAN

LEXINGTON, MASSACHUSETTS

BETA JOB No.

4496

PLOT DATE:

2/26/2016 11:18 AM

ISSUE DATE

11/6/2015 3:16 PM




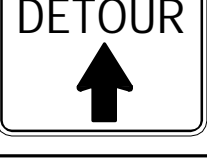

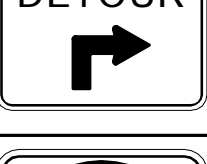





SHEET No.

1 OF 4

File:

4496 Harrington Detour.dwg

TRAFFIC SIGN SUMMARY

IDENTIFI- CATION NUMBER	SIZE OF SIGN		TEXT	DIMENSIONS (in)			NUMBER OF SIGNS REQUIRED	COLOR			POST SIZE AND NUMBER REQUIRED	UNIT AREA IN SQUARE FEET	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW		BACK- GROUND	LEGEND	BORDER			
D3-1	30 in	9 in		SEE 2009 MUTCD STANDARDS	SEE 2009 MUTCD STANDARDS	SEE 2009 MUTCD STANDARDS	9	SEE 2009 MUTCD STANDARDS	SEE 2009 MUTCD STANDARDS	SEE 2009 MUTCD STANDARDS	P-5 9	1.9	17.1
M4-9L	30 in	24 in					3				MOUNT 2 W/D3-1 1 W/R11-2	5	15
M4-9R	30 in	24 in					2				MOUNT 2 W/D3-1	5	10
M4-9V	30 in	24 in					2				MOUNT 2 W/D3-1	5	10
M4-9VL	30 in	24 in					1				P-5 1 W/D3-1	5	5
M4-9VR	30 in	24 in					2				MOUNT 2 W/D3-1	5	10
R5-1	30 in	30 in					4				P-5 4	6.25	25
R11-2	48 in	30 in					2				MOUNT 2 ON BARRICADE	10	20
R6-1 (PBS*)	36 in	12 in					4				MOUNT 4 ON R5-1	3	12
R6-2L	24 in	30 in					1				P-5 1	5	5
R6-2R	24 in	30 in					1				P-5 1	5	5

*(PBS) = PAINT BOTH SIDES

2 WEEKS PRIOR TO DETOUR

PCMS 1
PCMS 4

HARRINGTON -
TON ROAD
CLOSED

STARTS
DATE

DURING DETOUR

PCMS 2
PCMS 3
PCMS 5
PCMS 6

HARRINGTON -
TON ROAD
CLOSED

FOLLOW
DETOUR

SEEK
ALT
ROUTE

IMPLEMENTATION STEPS:

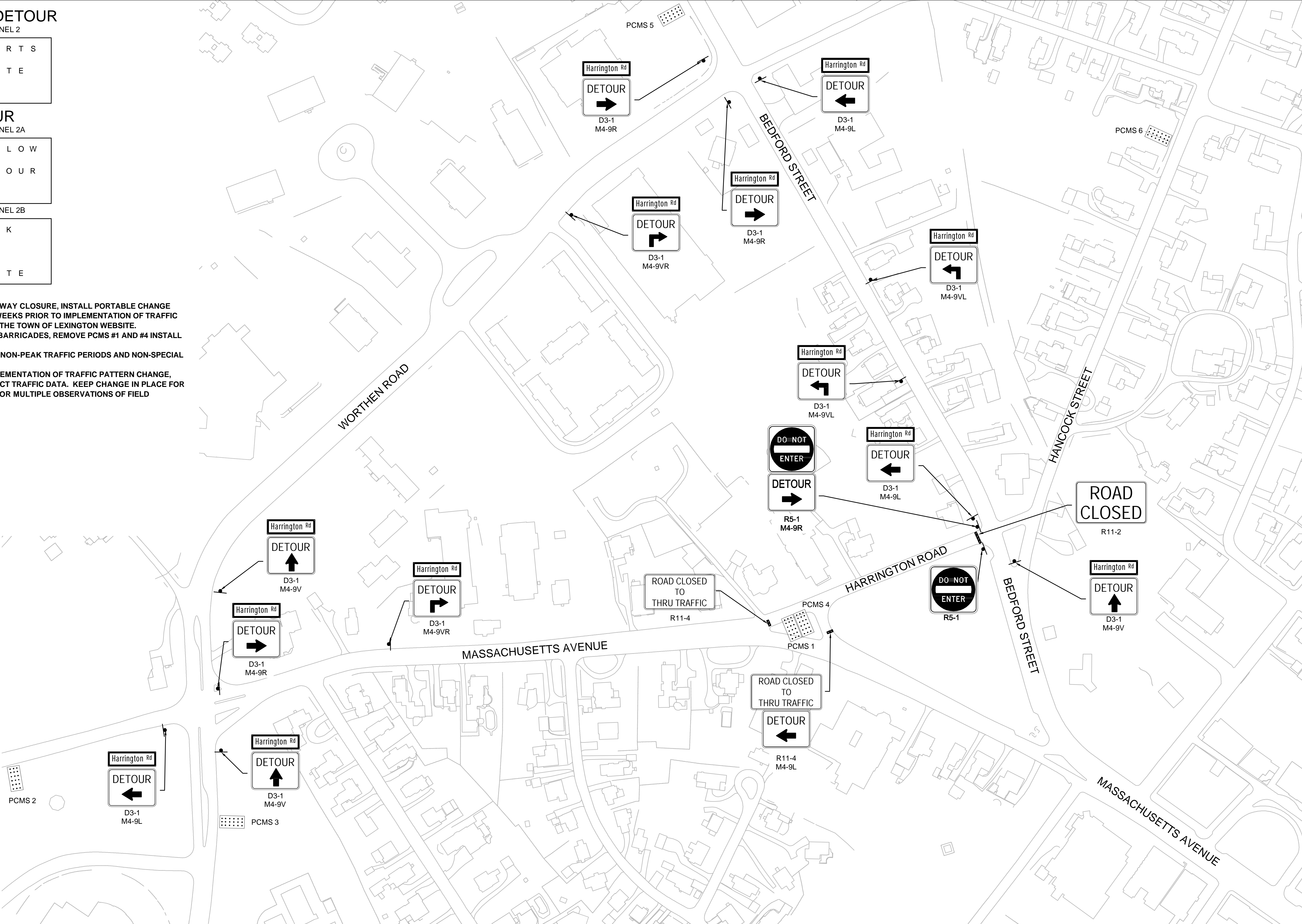
1.

IF DEEMED NECESSARY AFTER THE ONE-WAY CLOSURE, INSTALL PORTABLE CHANGE MESSAGE SIGN (PCMS) #1 AND #4, TWO WEEKS PRIOR TO IMPLEMENTATION OF TRAFFIC DETOUR AND POST ANNOUNCEMENT ON THE TOWN OF LEXINGTON WEBSITE.
2.

INSTALL DETOUR SIGNAGE AND TYPE III BARRICADES, REMOVE PCMS #1 AND #4 INSTALL PCMS #2, #3, #5 AND #6
3.

IMPLEMENTATION SHALL START DURING NON-PEAK TRAFFIC PERIODS AND NON-SPECIAL EVENT DAYS.
4.

APPROXIMATELY ONE WEEK AFTER IMPLEMENTATION OF TRAFFIC PATTERN CHANGE, OBSERVE FIELD CONDITIONS AND COLLECT TRAFFIC DATA. KEEP CHANGE IN PLACE FOR APPROXIMATELY 3 MONTHS TO ALLOW FOR MULTIPLE OBSERVATIONS OF FIELD CONDITIONS.



NUMBER	DATE	MADE BY	CHECKED BY		DESCRIPTION
					REVISIONS

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MWW

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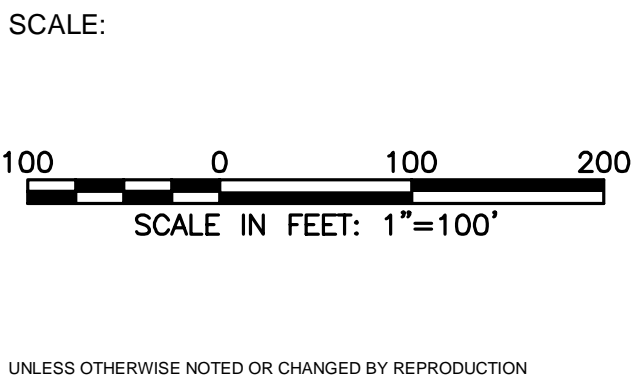
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HARRINGTON ROAD TRIAL CLOSURE

TRAFFIC DETOUR PLAN

LEXINGTON, MASSACHUSETTS

BETA JOB No. 4496










PLOT DATE: 2/26/2016 11:14 AM

ISSUE DATE 11/6/2015 3:16 PM

SHEET No. 3 OF 4

File: 4496 Harrington Detour.dwg

TRAFFIC SIGN SUMMARY

IDENTIFI- CATION NUMBER	SIZE OF SIGN		TEXT	DIMENSIONS (in)			NUMBER OF SIGNS REQUIRED	COLOR			POST SIZE AND NUMBER REQUIRED	UNIT AREA IN SQUARE FEET	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW		BACK- GROUND	LEGEND	BORDER			
D3-1	30 in	9 in		SEE 2009 MUTCD STANDARDS	SEE 2009 MUTCD STANDARDS	SEE 2009 MUTCD STANDARDS	13	SEE 2009 MUTCD STANDARDS	SEE 2009 MUTCD STANDARDS	SEE 2009 MUTCD STANDARDS	P-5 13	1.9	24.7
M4-9L	30 in	24 in					4				MOUNT 3 W/D3-1 1 W/R11-4	5	20
M4-9R	30 in	24 in					4				MOUNT 3 W/D3-1 1 W/R5-1	5	20
M4-9V	30 in	24 in					3				MOUNT 3 W/D3-1	5	15
M4-9VL	30 in	24 in					2				MOUNT 2 W/D3-1	5	10
M4-9VR	30 in	24 in					2				MOUNT 2 W/D3-1	5	10
R5-1	30 in	30 in					2				P-5 2	6.25	12.5
R11-2	48 in	30 in					1				MOUNT 1 ON BARRICADE	10	10
R11-4	60 in	30 in					2				MOUNT 2 ON BARRICADE	12.5	25

NUMBER	DATE	MADE BY	CHECKED BY	DESCRIPTION
REVISIONS				

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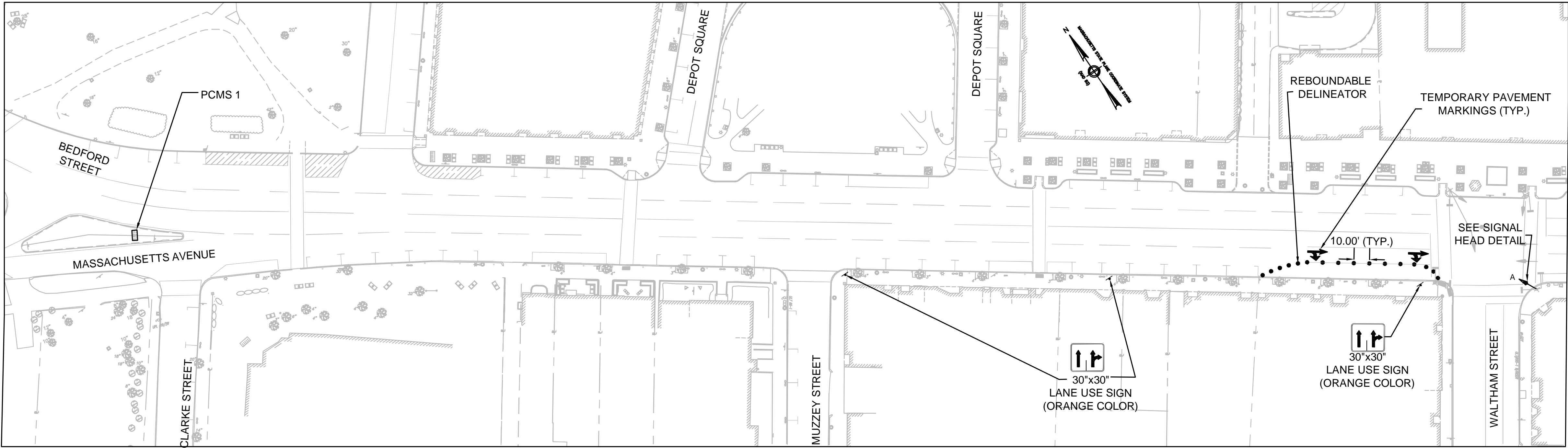
HARRINGTON ROAD TRIAL CLOSURE

SIGN SUMMARY SHEET

LEXINGTON, MASSACHUSETTS

BETA JOB No.	4496
PLOT DATE:	2/26/2016 11:14 AM
ISSUE DATE	11/6/2015 3:16 PM
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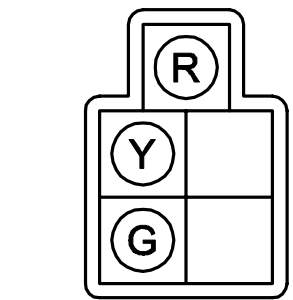


RIGHT-TURN LANE CLOSURE ON MASSACHUSETTS AVENUE (EASTBOUND) AT WALTHAM STREET



3 FOOT YELLOW REBOUNDABLE DELINEATOR

SIGNAL HEAD DETAIL

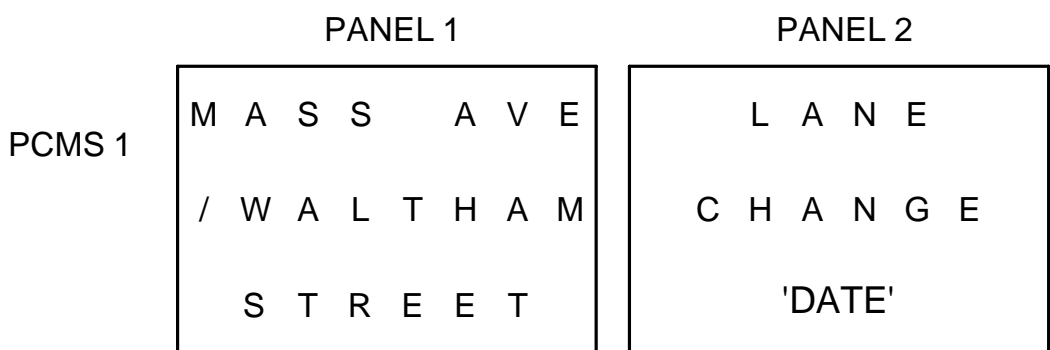


A
PROPOSED
*YELLOW AND GREEN
ARROWS SHALL BE
COVERED DURING
TRIAL PERIOD

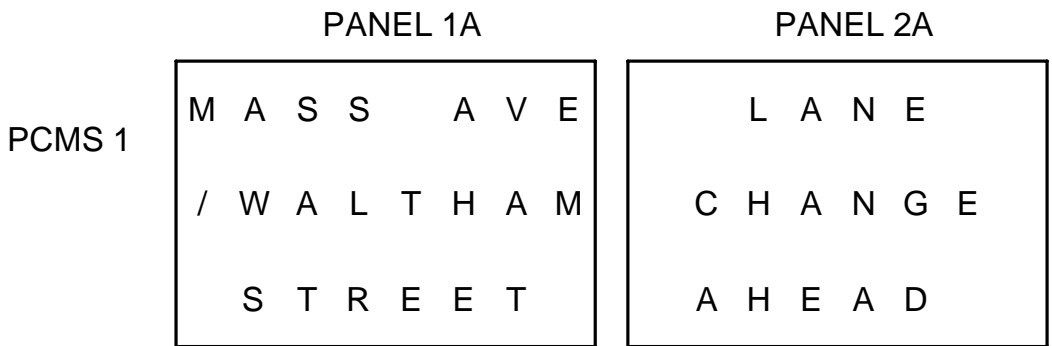
IMPLEMENTATION STEPS MASSACUSETTS AVE. (EASTBOUND) TURN WALTHAM ST.

- 1. INSTALL PORTABLE CHANGE MESSAGE SIGN (PCMS) SIGN TWO WEEKS PRIOR TO RIGHT LANE CLOSURE AND POST ANNOUNCEMENT ON THE TOWN WEBSITE.
- 2. PRIOR TO IMPLEMENTING THE RIGHT TURN LANE CLOSURE THE FOLLOWING SHALL BE INSTALLED:
 - a. COVER RIGHT TURN SIGNAL HEAD ARROWS ON SIGNAL HEAD "A"
 - b. INSTALL TEMPORARY PAVEMENT MARKINGS ON THE MASSACHUSETTS AVE EASTBOUND APPROACH.
 - c. INSTALL TEMPORARY SIGNAGE ON EASTBOUND APPROACH.
 - d. INSTALL REBOUNDABLE DELINEATORS TO CLOSE RIGHT TURN LANE.
- 3. IMPLEMENTATION SHALL START DURING NON-PEAK TRAFFIC PERIODS AND NON-SPECIAL EVENT DAYS.
- 4. APPROXIMATELY ONE WEEK AFTER, OBSERVE FIELD CONDITIONS AND COLLECT TRAFFIC DATA. KEEP CLOSURE IN PLACE FOR APPROXIMATELY 3 MONTHS TO ALLOW FOR MULTIPLE OBSERVATIONS OF FIELD CONDITIONS.

2 WEEKS PRIOR TO CHANGE IN TRAFFIC PATTERN



DURING TRIAL PERIOD



LEGEND:

- REBOUNDABLE DELINEATORS
- SIGN
- PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
- PAVEMENT MARKINGS
- SIGNAL HEADS

NUMBER	DATE	MADE BY	CHECKED BY	DESCRIPTION
REVISIONS				

DRAWN BY:
DESIGNED BY:
CHECKED BY:

PE STAMP:

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PREPARED BY:

BETA

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SCALE:

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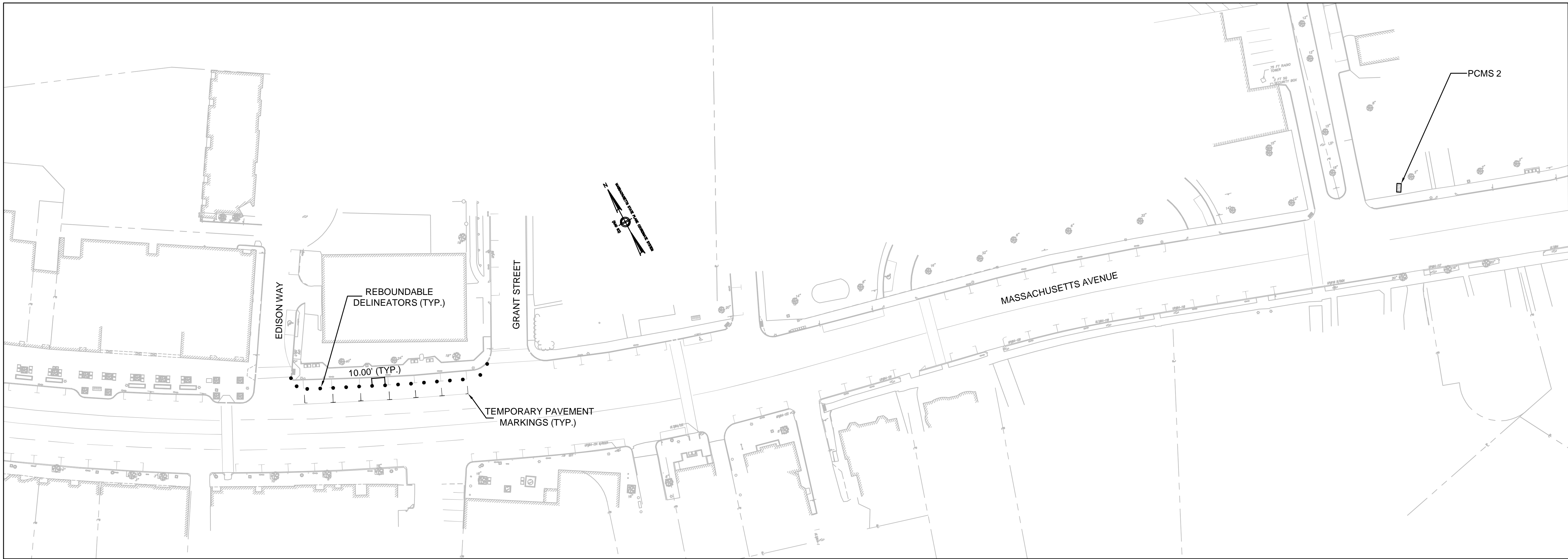
SCALE IN FEET: 1"=40'

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MASSACHUSETTS AVENUE AT WALTHAM STREET
RIGHT TURN LANE TEMPORARY CLOSURE
FOR TRIAL PERIOD

BETA JOB No.	4496
PLOT DATE:	2/26/2016 11:22 AM
ISSUE DATE	2/23/2016 3:04 PM
SHEET No.	1 OF 2
File:	4496 Mass Ave TMP Close.dwg

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RIGHT-TURN LANE CLOSURE ON MASSACHUSETTS AVENUE (WESTBOUND) AT EDISON WAY



3 FOOT YELLOW REBOUNDABLE DELINEATOR

IMPLMENTATION STEPS MASSACUSETTS AVE. (WESTBOUND) AT EDISON WAY

- 1. INSTALL PORTABLE CHANGE MESSAGE SIGN (PCMS) SIGN TWO WEEKS PRIOR TO RIGHT TURN LANE CLOSURE AND POST ANNOUNCEMENT ON THE TOWN WEBSITE.
- 2. PRIOR TO IMPLEMENTING THE RIGHT TURN LANE CLOSURE THE FOLLOWING SHALL BE INSTALLED:
 - a. INSTALL TEMPORARY PAVEMENT MARKINGS ON THE MASSACHUSETTS AVE EASTBOUND APPROACH.
 - b. INSTALL REBOUNDABLE DELINEATORS TO CLOSE RIGHT TURN LANE.
- 3. IMPLEMENTATION SHALL START DURING NON-PEAK TRAFFIC PERIODS AND NON-SPECIAL EVENT DAYS.
- 4. APPROXIMATELY ONE WEEK AFTER, OBSERVE FIELD CONDITIONS AND COLLECT TRAFFIC DATA. KEEP CLOSURE IN PLACE FOR APPROXIMATELY 3 MONTHS TO ALLOW FOR MULTIPLE OBSERVATIONS OF FIELD CONDITIONS.

**2 WEEKS PRIOR TO CHANGE
RIGHT TURN LANE CLOSURE**

PCMS 2

PANEL 1

M A S S A V E
/ E D I S O N
W A Y

PANEL 2

L A N E
C H A N G E
'DATE'

DURING TRIAL PERIOD

PCMS 2

PANEL 1A

M A S S A V E
/ E D I S O N
W A Y

PANEL 2A

L A N E
C H A N G E
A H E A D

LEGEND:

- REBOUNDABLE DELINEATORS
- ➡ PAVEMENT MARKINGS
- SIGN
- ➡ SIGNAL HEADS
- ▤ PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

NUMBER	DATE	MADE BY	CHECKED BY	DESCRIPTION
REVISIONS				

DRAWN BY:

DESIGNED BY:

CHECKED BY:

PE STAMP:

**For
Review Only**

PREPARED BY:

BETA

www.BETA-inc.com

SCALE:

4004080

SCALE IN FEET: 1"=40'

**MASSACHUSETTS AVENUE AT EDISON STREET
RIGHT TURN LANE TEMPORARY CLOSURE
FOR TRIAL PERIOD**

BETA JOB No. 4496
PLOT DATE: 2/26/2016 11:22 AM
ISSUE DATE: 2/23/2016 3:04 PM
SHEET No. 2 OF 2
File: 4496 Mass Ave TMP Close.dwg

AGENDA ITEM SUMMARY

LEXINGTON BOARD OF SELECTMEN MEETING

AGENDA ITEM TITLE:

Results of the Traffic Calming on Shade Street (5 min.)

PRESENTER:

John Livsey, Town Engineer

ITEM NUMBER:

I.6

SUMMARY:

Staff will present the results of the traffic calming and pedestrian safety (trial) improvements on Shade Street.

SUGGESTED MOTION:

NA

FOLLOW-UP:

NA

DATE AND APPROXIMATE TIME ON AGENDA:

3/2/2016

8:25 PM

ATTACHMENTS:

Description	Type
<input type="checkbox"/> Traffic Calming Presentation	Backup Material
<input type="checkbox"/> Engineering Evaluation Report	Backup Material

Shade Street Traffic Calming Results

John Livsey
Town Engineer
February 29, 2016 BOS meeting



Brief History

- Concerns brought forth by abutters regarding speeds and volumes of vehicles along Shade Street
- Data collected in 2013 to determine speeds and Volumes
- Plans developed to reduce speeds and volumes and improved pedestrian safety
- Critical components of plan implemented over time
- Post construction data collected and will be discussed tonight



Installed Traffic Calming / safety measures

- Signage



Installed Traffic Calming / safety measures

- Signage



Installed Traffic Calming / safety measures

- Shoulder Lines



Installed Traffic Calming / safety measures

- Radar speed signs



Installed Traffic Calming / safety measures

- Radar speed signs



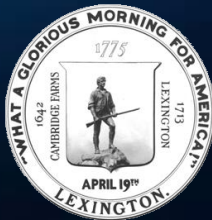
Installed Traffic Calming / safety measures

- Speed humps



Installed Traffic Calming / safety measures

- Speed humps



Installed Traffic Calming / safety measures

- Speed humps



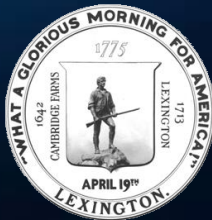
Installed Traffic Calming / safety measures

- Speed humps



Installed Traffic Calming / safety measures

- Sidewalk



Installed Traffic Calming / safety measures

- Sidewalk



Installed Traffic Calming / safety measures

- Sidewalk



Results - Speed

Table 1: Speed Comparison – Shade Street (2013 without devices to 2015 with devices)

Location	Date	Posted Speed	85th Percentile					
			EB	Speed Difference	% Change	WB	Speed Difference	% Change
Shade Street - East of Weston St	2013	20	27			29		
	2015		24	-3	-6%	25	-4	-7%
Shade Street - East of Fairbanks Rd	2013	25	31			32		
	2015		27	-4	-6%	27	-5	-8%
Shade Street - West of Spring St	2013	25	32			29		
	2015		27	-5	-8%	27	-2	-3%



Results – Volume along Shade Street

Table 2: Volume Comparison – Shade Street (2013 without devices to 2015 with devices)

Location	Date	Daily			AM Peak Hour			PM Peak Hour		
		Volume	Vol. Diff.	% Change	Volume	Vol. Diff.	% Change	Volume	Vol. Diff.	% Change
Shade Street (E of Weston)	2013	607			66			56		
	2015	563	-44	-4%	82	16	11%	43	-13	-13%
Shade Street (E of Fairbanks)	2013	1,456			220			203		
	2015	1,272	-184	-7%	148	-72	-20%	128	-76	-23%
Shade Street (W of Spring)	2013	1,495			217			203		
	2015	1,278	-217	-8%	163	-54	-14%	141	-62	-18%



Results – Volume at intersections

Table 3: Intersection Volume Comparison (2013 without devices to 2015 with devices)

Location	Approach	Date	AM Peak Hour			PM Peak Hour		
			Volume	Vol. Diff.	% Change	Volume	Vol. Diff.	% Change
Shade St @ Cary Ave	SB	2013	76			47		
		2015	49	-27	-22%	22	-25	-36%
	WB	2013	34			117		
		2015	30	-4	-6%	82	-35	-18%
	EB	2013	103			33		
		2015	89	-14	-7%	20	-13	-25%
	Total	2013	213			197		
		2015	168	-45	-12%	124	-73	-23%
Shade St @ Fairbanks Rd	SB	2013	24			6		
		2015	21	-3	-7%	2	-4	-50%
	WB	2013	35			137		
		2015	25	-10	-17%	95	-42	-18%
	EB	2013	178			74		
		2015	136	-42	-13%	38	-36	-32%
	Total	2013	237			217		
		2015	182	-55	-13%	135	-82	-23%



Results – Speeds along Spring Street

Table 4: Speed Comparison – Spring Street (2012 to 2015)

Location	Date	Posted Speed	85th Percentile					
			NB	Speed Difference	% Change	SB	Speed Difference	% Change
Spring Street - North of Shade St	2012	35	27			27		
	2015		37	10	15%	35	8	12%



Results – Volumes along Spring Street

Table 5: Volume Comparison – Spring Street (2012 to 2015)

Location	Date	Daily			AM Peak Hour			PM Peak Hour		
		Volume	Vol. Diff.	% Change	Volume	Vol. Diff.	% Change	Volume	Vol. Diff.	% Change
Spring Street (N of Shade)	2012	7,506			629			891		
	2015	7,905	399	3%	945	316	20%	832	-59	-3%



Conclusions

● Shade Street

- 85th percentile speeds have reduce by 3 to 8 mph along Spring Street
- Daily traffic volumes decreased between 44 and 217 VPD (vehicles per day)
- Intersection Volumes decreased between 45 and 82 vehicles during the peak hours

● Spring Street

- Speed increased by 8 to 10 MPH but is consistent with posted speed limit
- Daily traffic volume has increased by approximately 400 vehicles
- PM peak hour daily traffic has decreased by 59 vehicles



Questions / Comments





ENGINEERING SUCCESS TOGETHER

MEMORANDUM

Date: November 30, 2015 Job No.: 4709
To: John Livsey, P.E. – Town Engineer
Cc: Justin Curewitz
From: Jaklyn Centracchio, P.E.
Subject: Traffic Calming (Before & After) Follow-up Evaluation – Shade Street & Spring Street

Per your request, BETA Group, Inc. (BETA) has performed a before and after follow-up evaluation for the Shade Street Traffic Calming project. The purpose of this evaluation was to compare the traffic volumes and speeds on Shade Street before and after the installation of traffic calming devices in order to determine the level of impact the devices have had on vehicle speeds and volume along Shade Street. The data was collected along Shade Street at two separate stages using Turning Movement Counts (TMC) and Automatic Traffic Recorders (ATR). For consistency, the before and after data were collected for the same month and at same locations. The first set of data were collected at the beginning of the project, prior to device installation, in November 2013, and the follow-up data collected in November 2015, twelve months after installation of the devices. Turning Movement Counts were collected along Shade Street at its intersections with Cary Avenue and Fairbanks Road, while ATR units collected 48 hours of continuous traffic volume and speed data at the following study area locations:

1. Shade Street, east of Weston Street
2. Shade Street, east of Fairbanks Road
3. Shade Street, west of Spring Street

In addition, 48 hour ATR data were collected on Spring Street, north of Shade Street, at two separate times. The first set of data was collected in November 2012 as presented in the "South Lexington Transportation Study" conducted by Fay Spofford and Thorndike. The follow-up data were collected in November 2015.

SHADE STREET

Shade Street data comparison tables were formulated for several characteristics. Roadway speeds (85th Percentile) are compared in Table 1, ATR volumes in Table 2 and intersection turning movement counts in Table 3.

Table 1: Speed Comparison – Shade Street (2013 without devices to 2015 with devices)

Location	Date	Posted Speed	85th Percentile					
			EB	Speed Difference	% Change	WB	Speed Difference	% Change
Shade Street - East of Weston St	2013	20	27			29		
	2015		24	-3	-6%	25	-4	-7%
Shade Street - East of Fairbanks Rd	2013	25	31			32		
	2015		27	-4	-6%	27	-5	-8%
Shade Street - West of Spring St	2013	25	32			29		
	2015		27	-5	-8%	27	-2	-3%

Our findings based on the 85th percentile speed comparison data are summarized as follows:

Shade Street (East of Weston St) - 20 mph posted speed

- EB vehicle speeds decreased by 3 mph to 24 mph.
- WB vehicle speeds decreased by 4 mph to 25 mph.
- 2015 speeds have decreased, but are still slightly higher than the 20 mph posted speed limit.

Shade Street (East of Fairbanks Rd) – 25 mph posted speed

- EB vehicle speeds decreased by 4 mph to 27 mph.
- WB vehicle speeds decreased by 5 mph to 27 mph.
- 2015 speeds have decreased and are relatively consistent with a 25 mph posted speed limit.

Shade Street (West of Spring St) - 25 mph posted speed

- EB vehicle speeds decreased by 5 mph to 27 mph.
- WB vehicle speeds decreased by 2 mph to 27 mph.
- 2015 speeds have decreased and are relatively consistent with a 25 mph posted speed limit.

Table 2: Volume Comparison – Shade Street (2013 without devices to 2015 with devices)

Location	Date	Daily			AM Peak Hour			PM Peak Hour		
		Volume	Vol. Diff.	% Change	Volume	Vol. Diff.	% Change	Volume	Vol. Diff.	% Change
Shade Street (E of Weston)	2013	607			66			56		
	2015	563	-44	-4%	82	16	11%	43	-13	-13%
Shade Street (E of Fairbanks)	2013	1,456			220			203		
	2015	1,272	-184	-7%	148	-72	-20%	128	-76	-23%
Shade Street (W of Spring)	2013	1,495			217			203		
	2015	1,278	-217	-8%	163	-54	-14%	141	-62	-18%

Our findings based on the volume comparison data are summarized as follows:

Shade Street (East of Weston St)

- Daily volumes decreased by 44 vehicles.
- AM peak hour volumes increased by 16 vehicles.
- PM peak hour volumes decreased by 13 vehicles.

Shade Street (East of Fairbanks Rd)

- Daily volumes decreased by 184 vehicles.
- AM and PM peak hour volumes decreased by 72 and 76 vehicles, respectively.

Shade Street (West of Spring St)

- Daily volumes decreased by 217 vehicles.
- AM and PM peak hour volumes decreased by 54 and 62 vehicles, respectively.

Table 3: Intersection Volume Comparison (2013 without devices to 2015 with devices)

Location	Approach	Date	AM Peak Hour			PM Peak Hour		
			Volume	Vol. Diff.	% Change	Volume	Vol. Diff.	% Change
Shade St @ Cary Ave	SB	2013	76			47		
		2015	49	-27	-22%	22	-25	-36%
	WB	2013	34			117		
		2015	30	-4	-6%	82	-35	-18%
	EB	2013	103			33		
		2015	89	-14	-7%	20	-13	-25%
	Total	2013	213			197		
		2015	168	-45	-12%	124	-73	-23%
Shade St @ Fairbanks Rd	SB	2013	24			6		
		2015	21	-3	-7%	2	-4	-50%
	WB	2013	35			137		
		2015	25	-10	-17%	95	-42	-18%
	EB	2013	178			74		
		2015	136	-42	-13%	38	-36	-32%
	Total	2013	237			217		
		2015	182	-55	-13%	135	-82	-23%

Our findings based on the intersection volume comparison data are summarized as follows:

Shade Street @ Cary Avenue

- AM peak hour volumes decreased by a total of 45 vehicles.
 - SB peak hour volumes decreased by 27 vehicles.
 - WB peak hour volumes decreased by 4 vehicles.
 - EB peak hour volumes decreased by 14 vehicles.
- PM peak hour volumes decreased by a total of 73 vehicles.
 - SB peak hour volumes decreased by 25 vehicles.
 - WB peak hour volumes decreased by 35 vehicles.
 - EB peak hour volumes decreased by 13 vehicles.

Shade Street @ Fairbanks Road

- AM peak hour volumes decreased by a total of 55 vehicles.
 - SB peak hour volumes decreased by 3 vehicles.
 - WB peak hour volumes decreased by 10 vehicles.
 - EB peak hour volumes decreased by 42 vehicles.
- PM peak hour volumes decreased by a total of 82 vehicles.
 - SB peak hour volumes decreased by 4 vehicles.
 - WB peak hour volumes decreased by 42 vehicles.
 - EB peak hour volumes decreased by 36 vehicles.

SPRING STREET

Comparison tables were also formulated for roadway speeds and ATR volumes as shown in Table 4 and Table 5, respectively.

Table 4: Speed Comparison – Spring Street (2012 to 2015)

Location	Date	Posted Speed	85th Percentile					
			NB	Speed Difference	% Change	SB	Speed Difference	% Change
Spring Street - North of Shade St	2012	35	27			27		
	2015		37	10	15%	35	8	12%

Our findings based on the 85th percentile speed comparison data are summarized as follows:

Spring Street (North of Shade St) - 35 mph posted speed

- NB vehicle speeds increased by 10 mph to 37 mph.
- SB vehicle speeds increased by 8 mph to 35 mph.
- 2015 speeds are consistent with a 35 mph posted speed limit.

Table 5: Volume Comparison – Spring Street (2012 to 2015)

Location	Date	Daily			AM Peak Hour			PM Peak Hour		
		Volume	Vol. Diff.	% Change	Volume	Vol. Diff.	% Change	Volume	Vol. Diff.	% Change
Spring Street (N of Shade)	2012	7,506			629			891		
	2015	7,905	399	3%	945	316	20%	832	-59	-3%

Our findings based on the volume comparison data are summarized as follows:

Spring Street (North of Shade St)

- Daily volumes increased by a total of 399 vehicles.
- AM peak hour volumes increased by 316 vehicles.
- PM peak hour volumes decreased by 59 vehicles.

CONCLUSIONS

Shade Street

- 85th percentile travel speeds have reduced by 3 to 8 mph following the installation of traffic calming devices.
- Overall, daily traffic volumes have decreased between 44 and 217 vehicles per day.
- Overall, intersection volumes have decreased between 45 and 82 vehicles during the peak hours.

Spring Street

- Although speed has increased by 8 to 10 mph between 2013 and 2015, the speeds are consistent with a 35 mph posted speed limit.
- Daily traffic volume has increased by approximately 400 vehicles.
- Although the overall daily traffic volume has increased, the PM peak hour daily traffic has decreased by 59 vehicles.

AGENDA ITEM SUMMARY

LEXINGTON BOARD OF SELECTMEN MEETING

AGENDA ITEM TITLE:

Discuss Articles for Annual Town Meeting Consent Agenda (5 min.)

PRESENTER:

Joe Pato

ITEM NUMBER:

I.7

SUMMARY:

Review articles proposed for inclusion in the Annual Town Meeting consent agenda.

The following articles are based on last year's consent agenda:

Article 6. Appropriate for Senior Service Program

Article 7. Establish and Continue Departmental Revolving Funds and Special Revenue Fund

Article 9. Appropriate for Recreation Capital Projects

Article 17. Victory Garden Street Acceptance

Article 19. Appropriate Bonds and Notes Premiums

Article 22. Appropriate to Stabilization Fund (if the plan is to IP)

Article 23. Appropriate from Debt Service Stabilization Fund

Article 27. Establish Qualifications for Tax Deferrals

In addition the following articles are proposed for inclusion:

Article 11. Appropriate for Water System Improvements

Article 12. Appropriate for Wastewater System Improvements

If there are no unpaid bills pending by the time the consent agenda is considered the following article would also be eligible:

Article 24. Appropriate for Prior Years' Unpaid Bills

SUGGESTED MOTION:

FOLLOW-UP:

DATE AND APPROXIMATE TIME ON AGENDA:

3/2/2016

8:30 PM

AGENDA ITEM SUMMARY

LEXINGTON BOARD OF SELECTMEN MEETING

AGENDA ITEM TITLE:

Town Manager Appointment - Historical Commission (5 min.)

PRESENTER:

Carl F. Valente, Town Manager

ITEM NUMBER:

I.8

SUMMARY:

Marilyn Fenollosa has been a member of the Historical Commission since 1994. Ms. Fenollosa is current with her Ethics Commission training.

SUGGESTED MOTION:

Move to approve the Town Manager's reappointment of Marilyn Fenollosa as a member of the Historical Commission.

FOLLOW-UP:

Town Manager's Office will send a reappointment letter.

DATE AND APPROXIMATE TIME ON AGENDA:

3/2/2016

8:35 PM

ATTACHMENTS:

Description	Type
☐ Marilyn Fenollosa Reappointment Application	Backup Material

AGENDA ITEM SUMMARY

LEXINGTON BOARD OF SELECTMEN MEETING

AGENDA ITEM TITLE:

Selectmen Committee - Resignation - Community Farming Committee (5 min.)

PRESENTER:

Joe Pato

ITEM NUMBER:

I.9

SUMMARY:

Thomas Olivier has submitted his resignation from the Community Farming Committee.

SUGGESTED MOTION:

Motion to accept the resignation of Thomas Olivier from the Community Farming Committee, effective immediately.

FOLLOW-UP:

Selectmen's Office

DATE AND APPROXIMATE TIME ON AGENDA:

3/2/2016

8:40 PM

ATTACHMENTS:

Description	Type
<input type="checkbox"/> Resignation Letter	Backup Material
<input type="checkbox"/> Current Members of the Community Farming Committee	Backup Material

Office of Selectmen
Town of Lexington
1625 Massachusetts Avenue
Lexington, MA 02420

February 22, 2016

Dear Members of the Board of Selectmen:

I write to inform you of my resignation as a member of the Town of Lexington Community Farming Committee, effective immediately. I have served on the Committee since 2013, and have enjoyed working with the Selectmen, committee members, and interested members of the public and of the farming community, to help establish and support what is now known as the Lexington Community Farm on Lowell Street.

I thank you for the opportunity to serve on the Committee.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Thomas T. Olivier". The signature is fluid and cursive, with a long horizontal stroke at the end.

Thomas T. Olivier
855 Emerson Gardens Rd.
Lexington, MA 02420

AGENDA ITEM SUMMARY

LEXINGTON BOARD OF SELECTMEN MEETING

AGENDA ITEM TITLE:

Approve One-Day Liquor License - Mani's for Melanoma

PRESENTER:

Joe Pato

ITEM NUMBER:

C.1

SUMMARY:

Catherine Murphy has requested a one-day liquor license to serve beer and wine at a fundraiser for the Melanoma Foundation of New England on Thursday, March 24, 2016, from 4:00 p.m. to 9:00 p.m. at MiniLuxe, 1718 Massachusetts Avenue.

SUGGESTED MOTION:

Motion to approve the consent agenda.

FOLLOW-UP:

Selectmen's Office

DATE AND APPROXIMATE TIME ON AGENDA:

3/2/2016

8:45 PM

ATTACHMENTS:

Description

Type



Application for One-Day Liquor - Mani's for Melanoma

Backup Material

AGENDA ITEM SUMMARY

LEXINGTON BOARD OF SELECTMEN MEETING

AGENDA ITEM TITLE:

Approve One-Day Liquor Licenses - Spectacle Management

PRESENTER:

Joe Pato

ITEM NUMBER:

C.2

SUMMARY:

Spectable Management has requested the following one-day liquor licenses to serve beer and wine in the Cary Memorial Building Lobby:

- March 6, 2016, 7:00 p.m. to 11:00 p.m. (Late Night Catechism)
- March 13, 2016, 2:00 p.m. to 6:00 p.m. (Ronan Tynan)

SUGGESTED MOTION:

Motion to approve the consent agenda.

FOLLOW-UP:

Selectmen's Office

DATE AND APPROXIMATE TIME ON AGENDA:

3/2/2016

8:45 PM

ATTACHMENTS:

Description	Type
❑ Application for One-Day Liquor License -Spectacle Management	Backup Material