

SELECT BOARD MEETING AGENDA

DATE: 6:00pm Monday, November 24, 2014

HELD: Public Safety Complex (2nd Floor Meeting Room) 20 George Bennett Rd, Lee

The Select Board reserves the right to make changes as deemed necessary during the meeting. Public Comment speaking time limited to 3 minutes.

1. Call to Order - 6:00 pm
2. Public Comment
3. **Roger Rice, Transfer Station Manager – Food Waste Composting**
Request permission to conduct a pilot program with Mr. Fox Composting for food waste composting with about 50 Lee residents AND to initially provide compostable bags to these residents for the first few months.
4. **Scott Nemet, Fire Chief**
 - a. **Holmatro Pump Purchase** - Request permission to purchase a Holmatro SR20 Spider Series Twin Line Pump from Industrial Protection Services for a total cost of \$8,324.00.
 - b. **Leadership Institute Level II** – Request permission to spend \$950.00 for the Fire Chief to attend this program offered by Property-Liability Trust.
5. **Gail Kindberg – Lee E-Crier**
Request that the Lee Church Congregational be allowed to place all events, services, etc. in the E-Crier.
6. **Dick Weyrick, Conservation Commission – Certificate of Appreciation for William Stone**
Remind the Board of William Stone's Eagle Scout project completed in the Maud Jones Forest and present a Certificate of Appreciation for the Board to sign.
7. **Julie Glover, Town Administrator Report**
 - Purchase of Kennard Property – Deed restrictions
 - Sound Study RFP
 - Needs Assessment RFP
 - Outside Lights at PSC
 - Miscellaneous
8. **Consent Agenda Items** - (Individual items may be removed by any Selectman for separate discussion and vote)

SIGNATURES REQUIRED

DRA Sales Ratio Survey
Vacation Request – Roger Rice
Abatements (4)
Veteran Tax Credit
Request for Pay in Lieu of Vacation – Warren Hatch

INFORMATION ONLY

Xfinity Installation Rates Letter
Resident Donation to Conservation Commission
Comcast Price Adjustments Letter
Jim Daley/Noble Farm Commercial Park Wetlands Permit Application
Letter from Mr. Bower re: posting of election results

9. Acceptance of the BOS Public and Non-Public Meeting Minutes from November 10, 2014.
10. Acceptance of Manifest #10 and Weeks Payroll Ending November 23, 2014
11. Miscellaneous/Unfinished Business
12. Adjournment

Posted: Town Hall, Public Safety Complex, Public Library and on leenh.org on November 21, 2014

Individuals needing assistance or auxiliary communication equipment due to sensory impairment or other disabilities should contact the Town Office at 659-5414. Please notify the town six days prior to any meeting so we are able to meet your needs.



TOWN of LEE
7 MAST RD, LEE, NH 03861
(603) 659-5414

Office Use Only

Meeting Date: November 24, 2014

Agenda Item No. 3

BOARD OF SELECTMEN
MEETING AGENDA REQUEST
11/24/2014

Agenda Item Title: Food Waste Composting

Requested By: Roger Rice, Transfer Station Manager 11/17/2014

Contact Information: 603-659-2239

Presented By: Roger Rice

Description: Remind the Board of the program that Mr. Fox Composting offers and suggest that the Town of Lee enroll in a pilot program to include about 50 residents who are interested in participating. This program would entail having a drop-off container outside the transfer station and Mr. Rice suggests providing the compostable bags to the residents during this pilot stage. Mr. Fox would pick-up on Mondays between 11-3pm at a cost of \$15 per week. Durham, Rye and Eliot, ME are already participating in this service.

Financial Details: TBD

Legal Authority: RSA 41:8;31:39; 149:M-17

Legal Opinion: Enter a summary; attach copy of the actual opinion

REQUESTED ACTION OR RECOMMENDATIONS:

MOTION: Move to authorize the Transfer Station Manager to enroll the Town of Lee in the Food Waste Composting Pilot Program through Mr. Fox Composting and allow the Transfer Station to purchase compostable bags to be provided to the 50 residents who will be participating in this program.

Food Waste Composting – To BOS

Nov. 20, 2014

The industry is moving towards composting food waste nationwide. It is making progress. I am requesting the OK from the board to do a pilot program with about 50 residents who are interested in being part of this pilot project. The goal would be to offer it to all residents, but make it optional for all. We would be doing what was done in Eliot, ME a year ago.

The vendor would be Mr. Fox Composting from Portsmouth. I feel that some of the expense would be “a wash” in a short period of time with the savings on tipping fees. Food waste is fairly heavy and we are currently paying \$4.92 per 100 lbs. to dispose of our trash (MSW).

A drop-off container would be outside our main building, secure from varmints, and serviced weekly. I would be purchasing rolls of compostable bags for residents to put beside their kitchen sink. Would we provide them, or use the coupon machine to have residents purchase the bags?

My idea would be to provide them free to the first 50 residents and then assess the new plan in a few months.

Monday pick-up (11:00 to 3:00) \$15./ Week

Towns already doing this. Durham, Rye and Eliot, ME

Roger Rice, Transfer Station Mgr.



TOWN of LEE
7 MAST RD, LEE, NH 03861
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Office Use Only

Meeting Date: November 24, 2014

Agenda Item No. 4a

BOARD OF SELECTMEN
MEETING AGENDA REQUEST
11/24/2014

Agenda Item Title: Purchase of Holmatro Pump

Requested By: Chief Nemet

Date: 11/14/2014

Contact Information: 603-659-5411

Presented By: Chief Nemet

Description: Request to purchase a Holmatro SR20 Spider Series Twin Line Pump from Industrial Protection Services for a total cost of \$8324.00.

Financial Details: \$8,324.00 – Fire Dept. operating budget

Legal Authority Lee Purchasing Policy

Legal Opinion: Enter a summary; attach copy of the actual opinion

REQUESTED ACTION OR RECOMMENDATIONS:

Motion: Move to approve the purchase of a Holmatro SR20 Spider Series Twin Line Pump from Industrial Protection Services in the amount of \$8324.00.



INDUSTRIAL PROTECTION SERVICES

P.O. Box 685 • 220 Ballardvale St. • Wilmington, MA 01887
Tel: 978-657-4740 • Fax: 978-658-0257

JOHN A. MERRILL

QUOTATION

November 7, 2014

Lee Fire Department
20 George Bennett Rd
Lee, NH 03824
Attn. Chief

Industrial Protection Services is pleased to quote the Lee Fire department on the following equipment.

1	Holmatro SR20 Spider Series Twin Line Pump	\$8,324.00
1	Holmatro DPU 30 Demo (2008) Twin Line Pump	\$3,000.00

THIS IS A MASSACHUSETTS STATE BID FIR 03 2100

John A. Merrill
Regional Sales Manager



TOWN of LEE
7 MAST RD, LEE, NH 03861
(603) 659-5414

Office Use Only

Meeting Date: November 24, 2014

Agenda Item No. 4b

BOARD OF SELECTMEN
MEETING AGENDA REQUEST
11/24/2014

Agenda Item Title: NHMA Leadership Institute Level II

Requested By: Chief Nemet

Date: 11/14/2014

Contact Information: 603-659-5411

Presented By: Chief Nemet

Description: Complete Level II of The Foundations of Local Government Leadership program offered by the Property-Liability Trust, Inc. the cost being in the amount of \$950.00.

Financial Details: \$950.00

Legal Authority RSA 41:8

Legal Opinion: Enter a summary; attach copy of the actual opinion

REQUESTED ACTION OR RECOMMENDATIONS:

Motion: Move to approve the Fire Chief to expend \$950.00 to complete Level II of the Foundations of Local Government Leadership program offered by the PLT.



Scott Nemet, Fire Chief
Lee Fire & Rescue
20 George Bennett Rd
Lee, NH 03861

Dear Scott,

As a leader within your organization, education and exposure to new ideas plays a key role in your success. The Foundations of Local Government Leadership program offered by Property-Liability Trust Inc. offers this valuable experience. As of July 1, 2014, the Town of Lee no longer is a Member of Property-Liability Trust Inc. Although this saddens us, we will honor your commitment for the remainder of the Level 1 program in 2014 and provide scholarship assistance.

As you enter into Level 2 and/or make up any missed Level 1 programs starting in 2015 as a participant in the Foundations of Local Government Leadership program we will no longer be able to offer you scholarship assistance. This will require you or your organization to pay the amount of \$950.00 for the Level 2 program and \$195.00 for any missed Level 1 programs made up in 2015.

Please let me know what your intentions are and I will see you as you complete Level 1 and hopefully as you move on to Level 2. I look forward to hearing from you.

“A Visionary Sees Light In The Dark”

Respectfully,

A handwritten signature in cursive script that reads 'Ronald P. O'Keefe'.

Ronald P. O'Keefe
Risk Management Manager



TOWN of LEE
7 MAST RD, LEE, NH 03861
(603) 659-5414

Office Use Only	
Meeting Date:	<u>11/24/14</u>
Agenda Item No.	<u>5</u>

**BOARD OF SELECTMEN
MEETING AGENDA REQUEST**

11/24/14 (Meeting Date Requested)

Agenda Item Title: clarification of acceptable e-crier listings

Requested By: Rev. Gail Kindberg Date: 11/18/14

Contact Information: gailkindberg@comcast.net 603-659-2861 (work)

Presented By: Gail Kindberg

Description: items have been submitted for inclusion in e-crier, but have been denied as they are not considered community related. Ms. Glover recommended that I seek clarification from the Select Board

Financial Details: none

Legal Authority
(Usually NH RSA and/or Town Ordinance/Policy):

Legal Opinion:

REQUESTED ACTION OR RECOMMENDATIONS:

attached are examples of items that the church has historically been allowed to post, but which have been denied for the last couple of years

Previous Items posted in e-crier, and Lee Town Crier

- Notices of special services during the year – including, but not limited to: Ash Wednesday, Maundy Thursday, Easter Sunday, Christmas Eve
- Notices of church suppers held monthly throughout the year
- Vacation Bible School held one week during the summer
- Living Nativity
- Easter Breakfast
- Holiday Festival
- Plant Sale
- Special educational classes or presentations

Submitted: 2014

Roast Pork Church Supper ~ April 12th

The community is invited to a Roast Pork Supper with homemade mashed potatoes and gravy, green beans almondine, pickled beets, rolls & butter, cherry chocolate cake and beverages. Supper is served beginning at 5pm until sold out at the Lee Church, 17 Mast Rd. \$8 / Adults, \$7 / Seniors, \$5 / kids under 12 yrs. Please join us for a delicious meal with your neighbors.

First Annual Bunny Breakfast ~ April 19th

Join us for a Pancake Breakfast on April 19th from 8 - 10 am at Lee Church, 17 Mast Road ~ before or after the Town of Lee Easter Egg Hunt.

The Easter Bunny will be present to greet the children and take photos. Lee Hill Early Learning Center will be hosting an Easter make it and take it during the breakfast and there will be goodie bags for kids. \$8 / Adults, \$5 / Children under 12, \$20 family of 4.

This is a fundraiser sponsored by CE and Youth Group for a week-long Community Service trip to Litchfield, NH and for scholarships for local children to attend summer camp at Horton Center in North Conway, NH. Call 659-2861 for additional information.

Holy Week Services at Lee Church-

PALM SUNDAY – April 13 - Services at 8:30 & 10:30 am

MAUNDY THURSDAY – April 17 — (soup & bread meal)

Last Supper Liturgy & Communion - 6:30 pm

Tenebrae Service (scripture, reflection & music) 7:30 pm

EASTER SUNDAY – April 20

Sunrise Service: 5:45 am – Rt. 155 ("Bradbury Pasture" past Tuttle Rd., opposite Jacob Lane)

Easter Breakfast at Lee Church to follow starting at 6:15 am.

Services in the Sanctuary: 9 am & 10:30 am (No Sunday school)

Lee Church Congregational, UCC is located at 17 Mast Rd., Lee. Call 659-2861 for more information

ROAST PORK SUPPER

Lee Church Congregational, 17 Mast Road
Saturday, April 12th 5:00 pm

The community is invited to a Roast Pork Supper with homemade mashed potatoes and gravy, green beans almondine, pickled beets, rolls & butter, cherry chocolate cake and beverages. Adults/\$8, Seniors/\$7, Kids under 12/\$5. Please join us for a delicious meal with your neighbors!



1st ANNUAL BUNNY BREAKFAST

Lee Church Congregational, 17 Mast Road
Saturday, April 19th 8:00 am - 10:00 am

Join us for a Pancake Breakfast before or after the Town Easter Egg Hunt. The Easter Bunny will be present to greet the children and take photos. Lee Hill Early Learning Center will be hosting an Easter 'make it and take it' during the breakfast and there will be goodie bags for kids. Adults/\$8, Children under 12/\$5, Family of 4/\$20.

This is a fundraiser sponsored by Christian Education and Youth Group for a week-long Community Service trip to Litchfield, NH and for scholarships for local children to attend camp at Horton Center in North Conway, NH.

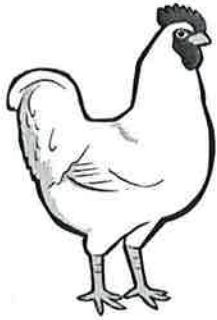
ANNUAL EASTER EGG HUNT

Saturday, April 19th 9:00 am sharp
Mast Way Field

The Town of Lee Recreation Commission will once again host the annual Easter Egg Hunt. This free event is open to the children of Lee of all ages. Event registration begins at 8am at the field. For additional information, please call or contact Larry Kindberg at 603-292-5790 or larrykindberg@comcast.net.



Submitted



Chicken BBQ at Lee Church ~ June 21st starting at 3 PM

It's picnic time and at this month's supper we make it easy to pick-up a delicious BBQ Chicken meal to eat here or bring with you to your favorite picnic spot.

Stop by Lee Church Congregational, 17 Mast Rd., (Rt. 155) Lee, NH on Saturday, June 21st. Starting at 3 PM we will be serving a half BBQ chicken, homemade coleslaw, baked beans, dessert and water ~ to go or eat here for \$8 per dinner or \$5 for a half chicken only.

We will be serving until we are sold out, so come early to avoid disappointment. For questions, call the Church Office at 603-659-2861 (open weekdays).

AARP Smart Driver Course

An AARP Smart Driver Course will be presented at the Lee Church Congregational, 17 Mast Rd. (Rt. 155) on June 27 from 9 AM to 4 PM. Designed for drivers over the age of 50, this classroom course is available to anyone. This opportunity to learn safe, defensive driving skills often provides a discount on auto insurance policies of those completing the course. To register please call instructor John Wheeler @ 603-682-7769.

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CHICKEN BBQ

Lee Church Congregational

Saturday, June 21st 3:00 pm

It's picnic time and at this month's supper pick-up a delicious BBQ Chicken meal to eat there or bring with you to your favorite picnic spot. We will be serving a 1/2 BBQ chicken, homemade coleslaw, baked beans, dessert and water. \$8 per dinner or \$5 for a 1/2 chicken only. Supper will be served until sold out, so come early to avoid disappointment. For questions, call 603-659-2861 (open weekdays).



AARP SMART DRIVER COURSE

Lee Church Congregational

June 27th 9:00 am to 4:00 pm

This course is designed for drivers over the age of 50 and is available to anyone. This opportunity to learn safe, defensive driving skills often provides a discount on auto insurance policies for those completing the course. To register please call instructor John Wheeler @ 603-682-7769

LAMPREY RIVER RECREATION:

HIKE IT, BIKE IT, LIKE IT

Wiswall Falls Parking Lot, Wiswall Road

June 22nd 10:00 - noon

This summer, the Lamprey Rivers Advisory Committee will lead participants on three low-impact, family-friendly activities. The first will involve exploring the human and natural history of the Wiswall Falls area in Durham on **June 22ND**. The Wiswall Falls area is listed in the National Register of Historic Places. This now quiet place once served as an industrial hub in Durham. Come learn the rich history of the site and how the site continues to be relevant today. After the short history walk, explore some of the natural features of the area and enjoy a nice picnic lunch by the Lamprey River. Bring your own lunch and blanket. If you plan to explore the area's natural features after the history walk, please be aware that poison ivy is present. Please contact spetersen.lrac@comcast.net if you have any questions.

Always runs!



DISPOSAL OF PRESCRIPTION DRUGS

A drop-off box is available at the Public Safety Complex for unused and unwanted prescriptions.



WILKINSON FOOD PANTRY

Lee Church Congregational 17 Mast Rd

The food pantry is open to any family in the Town of Lee. The pantry is open the first and third Monday of each month from 6 - 7:00 pm. If there is an emergency please call the Church office at 659-2861. All visits to the pantry are strictly confidential.

STRAFFORD COUNTY CITIZEN CORPS HEALTH & SAFETY COUNCIL OF STRAFFORD COUNTY

Click below for good information about Influenza. Click on the "Senior" web page link for more information.

<http://www.dhhs.nh.gov/dphs/cdcs/influenza/index.htm>



Community Action Partnership
Pregnant? New Baby? CAP Can Help!

If you are pregnant, know someone who is, or just had a baby, Community Action can help. We have a free Home Visiting program for teens and women age 25 and under. Call CAP's Home Visiting at 603-516-8108 to learn more or visit www.straffordcap.org.

Views in this newsletter do not necessarily reflect the opinions of the Board of Selectmen; the newsletter is published as a service to all residents, department heads, committees, commissions, boards & community groups.

LEE TOWN CRIER

Volume 68
Established in January 1970

WINTER 2013 (January, February & March)
Typesetting, Layout & Design by Coordinator: Dawn Hayes



IMPORTANT DATES

BUDGET PUBLIC HEARINGS

6:00 pm Public Safety Complex
Monday, January 7th
Monday, January 14th
Tuesday, January 22nd

DELIBERATIVE SESSION

February 2nd Mast Way School
Beginning at 9:00 am

TOWN ELECTION

March 12th Public Safety Complex
Polls Open 7:00 am – 7:00 pm

TOWN REPORTS

Available March 5th at the Town Hall,
the Library, the Transfer Station and
the Public Safety Complex

TOWN OFFICES CLOSED ON THE FOLLOWING HOLIDAYS:

New Year's Day

Tuesday, January 1st

Martin Luther King Jr. Day

Monday, January 21st

President's Day

Monday, February 18th

LEE VOTE'S ON ARTIFICIAL TURF AT LITTLE RIVER PARK

On November 29, 2012 Lee voter's cast their ballots on the citizens petition for artificial turf at Little River Park.

880 Ballots Cast 171 - YES
 709 - NO

FILING FOR CANDIDACY?

2013 Dates for filing for candidacy are between Jan 23rd – Feb 1st. Please visit the Town Clerk's Office.

Open Positions:

- (1) Selectman
- (1) Treasurer
- (1) Cemetery Trustee
- (2) Library Trustees
- (2) Advisory Budget Committee

2013 COMMISSION VACANCIES:

3 Vacancies – Agricultural Commission
2 Vacancies – Recreation Commission
Please contact the Selectman's Office to express interest.

RED CROSS BLOOD DRIVE

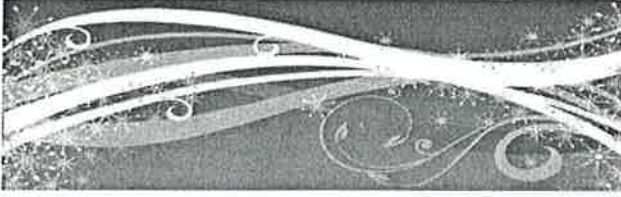
at Lee Church 17 Mast Rd

Friday, February 22th

1:00 – 6:00 pm

Please donate if you are able. Bring your ID. For Red Cross eligibility information: <http://www.redcrossblood.org/donating-blood/eligibility-requirements>
For more information call 659-2861.





THE BAHÁ'Í FAITH IN LEE

The Bahá'í community in Lee was established in 1985. All events are free and open to all. For directions and additional information, please email us at bahaisofleenh@gmail.com.

Devotional Gatherings

The Bahá'ís of Lee hold simple prayer meetings on the first and third Sundays of each month, from 11:00 to noon (with time for chatting). Call Marty and Wendy Quinn at 603-659-5239 for details.

January 6th and 20th
February 3rd and 17th
March 3rd and 17th

Holidays and Holy Days

Naw Rúz: March 20th at Sunset

Naw Rúz is the Bahá'í New Year. It's a joyful ending to our Fast, and a celebration of the new year that begins with the coming of spring. We'll be planning a potluck celebration – contact us at bahaisofleenh@gmail.com for updated information.

Other Events

Climate Change Preach-in: February 9th at 7:00 pm. Interfaith Power and Light sponsors a Preach-In weekend each year. Participating faith groups take time to think and talk about our spiritual obligations with regard to caring for the Earth. The Bahá'ís of Lee support this initiative.

TAI CHI CLASSES

Tai chi is an ancient Chinese tradition that is practiced as a graceful form of exercise. It involves a series of movements performed in a slow, focused manner and accompanied by deep breathing. This gentle art has been proven through numerous medical studies to improve balance, relaxation, coordination and reduce pain. Come join our ongoing classes at the Lee Church Congregational and do something healthy, fun and relaxing.

Beginner level classes are Mondays at 9:00 am. No experience necessary. This class focuses on balance, coordination, and correct alignment. A simple form is taught that is easy to practice either standing or seated. Tai chi principles of Yin and Yang will be introduced and practiced along with deep breathing. This class is great for people with arthritis, fibromyalgia and other issues that need gentle movement.

Intermediate classes are Wednesdays at 9:00 am. A review of the 24 Form will be presented in January. In February the Yang style Long Form will be introduced. This 108 move form is the traditional classical form and will be taught in 3 sections as a separate class. No experience required, but knowledge of the Tai Chi 24 Form will be an advantage to learning this form.

Please wear soft-soled shoes and comfortable loose clothing. Classes led by Marsha Carr, a certified Tai Chi instructor.

Contact the Church office for more info (659-2861).

**SPECIAL WORSHIP SERVICES
at LEE CHURCH
CONGREGATIONAL**

Earth Day Sunday – April 21st
8:30 & 10:30 am Worship Services

Music Sunday – June 2nd
8:30 & 10:30 am Worship Services

Christian Education Sunday – June 23rd
9:30 Worship Service

**On June 23rd we change to our summer
schedule to One Service at 9:30 am.**

CHURCH SUPPERS

Lee Church Congregational 17 Mast Rd
Saturday, April 13th 5:00 -7:00 pm
Pork Supper

Friday, May 17th 4:30 – 7:00 pm
Beef Stew/Mac & Cheese (Plant Sale Day)
Adults \$8, Seniors \$7, Kids under 12
years old \$5

**Saturday, June 15th 3:00 pm - until
SOLD OUT**
Chicken BBQ –Eat here or Take Out
Chicken BBQ \$8 each or \$5 for ½
chicken.

MUSIC MINISTRY JUBILEE

Saturday, April 20th at 7:00 pm
Lee Church 17 Mast Road
Join us for a celebration of music by Lee
Church Choirs and Musicians.
Donations appreciated - Refreshments
available. This is a fundraiser for the
Music Ministry of Lee Church
Congregational. For info call 659-2861.

**23RD ANNUAL LEE CHURCH
PLANT SALE**

Friday May 17th 4:00 -7:00 pm
Beef Stew Supper 4:30 – 7:00 pm

Saturday May 18th 9:00 am - noon
Brunch! hosted by the Women's Guild

Plants of all varieties will be available;
shrubs, small trees, perennials, herbs &
vegetables. Selected to be perfectly
happy to grow where we live! Master
Gardeners will be on hand for
conversation. Fresh stock available
Saturday morning – come both days!
Most selections have been locally grown.

Please email leechurchucc@comcast.net
or call 659-2861 with questions.



We use as many recycled pots as is
possible. **Pots should be left
outside the white shed at
the rear of the Parish
House garage.**

WILKINSON FOOD PANTRY

Lee Church Congregational, 17 Mast Rd
The food pantry is open to any family in
the Town of Lee. The pantry is open the
first and third Monday of each month
from 6:00 - 7:00 pm.

If there is an emergency need please
feel free to contact the Church office
659-2861. All visits to the pantry are
strictly confidential.

TAI CHI CLASSES

There are many different styles of tai chi, but all involve slow, relaxed, gentle movements, each flowing into the next. The body is in constant motion, and practitioners focus on posture and deep breathing.

Tai chi teaches you to focus on simplicity, harmonize with unfolding events and to create a balance in your life.

Beginner class is Mondays at 9:00 am at Lee Church, come try your first class for free. Intermediate class is Wednesday at 9:00 am. For more information contact the Church office at 659-2861.

LEE FARMERS' MARKET

Thursdays 3:00 – 6:00pm

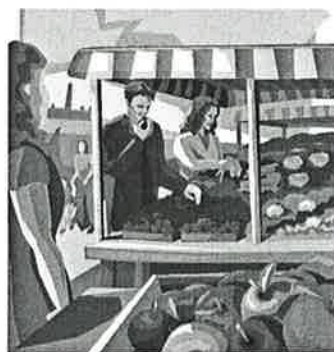
June 6 through Sept

(possible May 30th opening)

The Market is located at the Old Fire Station: corner of Mast Rd (Rt. 155) and Recycling Center Rd.
Market Master Dick Babcock 659-9329

Items will include: vegetables, cheese, bakery, honey, pork, lamb, canola oil, beef, flowers, crafts, soaps, fudge, eggs, pesto, garlic, seasonal fruits and plants!

Master Gardener on site with gardening info, music, and more!



LEE VFW POST 10676

Little River Park Celebration

The Post will again be coordinating the Memorial Day parade. Any groups who wish to participate should form at the town hall at 12:45 pm on Monday, May 27th.

Post members took up the flags from the Lee cemetery after Veterans Day and will put out the flags before Memorial Day.

We are always looking for new members so bring your DD214 to any of our meetings at 7:30 pm on the first Monday of each month at the Flag Hill Winery.

The Post is still collecting old, unserviceable flags to be disposed of. They may be dropped off at Flag Hill Winery during their business hours. We will have a flag burning this fall to properly retire them.

Dale V. Hardy
Commander

FISHING DERBY

Saturday, May 11th

Grab your fishing pole and come on down to the **Stevens Farm on Tuttle Road** for a fun morning of fishing. No license required if you are a youth participating in this event.

Prizes for the first fish caught, biggest fish, etc. Lines go in when the bell is rung at 9:00 am. Event ends at noon followed by a fish fry (hot dogs) at the Fire Station. Call town hall to register 659-5414.

Views in this newsletter do not necessarily reflect the opinions of the Board of Selectmen; the newsletter is published as a service to all residents, department heads, committees, commissions, boards & community groups.

Lee Town Crier

Established in January 1970

Volume 67

Coordinator: Dawn Hayes

FALL 2012 (October, November & December)

Typesetting, Layout & Design: Dawn Hayes



TRICK or TREAT in LEE

TUESDAY, OCTOBER 30th
5:00 – 7:00 pm

TOWN OFFICES CLOSED

ON THE FOLLOWING HOLIDAYS:

VETERAN'S DAY Monday, Nov 12th

THANKSGIVING Thursday, Nov 22nd
Friday, Nov 23rd

CHRISTMAS Monday, Dec 24th
Tuesday, Dec 25th

NEW YEAR'S Tuesday, Jan 1st

RED CROSS BLOOD DRIVE

Give the Gift of Life this Holiday Season



The need is constant.
The gratification is
instant. Give Blood:™

at Lee Church 17 Mast Rd.

Friday, November 30

1:00 -6:00 pm

Please donate if you are able. For Red Cross eligibility information: <http://www.redcrossblood.org/donating-blood/eligibility-requirements> For more information please call 659-2861.

PRESIDENTIAL ELECTION

TUESDAY,
NOVEMBER 6, 2012
POLLS OPEN from
7:00 am – 7:00 pm
VOTE at the Public
Safety Complex
20 George Bennett Rd



SUPERVISORS OF THE CHECKLIST

Will be meeting on **October 27, 2012** at the Town Hall from 11:00 to 11:30 am. This is the last day for town clerk/supervisors to accept voter registration applications.

No additions or corrections will be made to the checklist after this session, until State General Election day on November 6, 2012. New voters may register at the polls.

WALK AGAINST HUNGER

Join with your neighbors in a CROP walk against hunger! Crop walk is scheduled for Saturday, **October 13** from 9:00 -11:00 am. Help STOP HUNGER. Walk along scenic Lee Hill Road.

Together we can raise awareness and funds for international relief and development, and fight hunger locally in Lee and surrounding communities. For more information, call 659-2861.

TAI CHI CLASSES

Yoga without the difficult positions –
Suitable for everyone (including seniors)

Level I class resumes Monday, October 1, 2012 at 9:00 am.

Level II class resumes Wednesday, October 3, 2011 at 9:00 am. We will be studying the 24 Simplified Form (Yang Style) with qigong meditation included in the class.

Classes are 1 hour.

Held at Lee Church Congregational – in the Fellowship Hall · Lee NH

Originally developed in China as a form of self-defense, this graceful form of exercise has existed for about 2,000 years. It's becoming increasingly popular around the world, both as a basic exercise program and as a complement to other health care methods. A series of gentle exercises designed to improve circulation, reduce stress, improve bone density, reduce arthritic symptoms, lower blood pressure and improve back problems — especially for older adults.

Come learn these simple flowing movements with Marsha Carr, a certified Tai Chi instructor. Along with the instruction in basic tai chi movements will also be a short meditation and internal energy focus. All levels are welcome. Please wear soft-soled shoes and comfortable loose clothing. Please contact the Church office for more info 659-2861.

FROM THE TRANSFER STATION

The recycling markets have been relatively steady, with the exception of “Mixed Paper;” prices fell last month to \$15/ton. It had been \$60/ton or above for the past two years. Because of this we have been holding off on selling our stock of mixed paper until the price rises to at least \$40/ton. Even with the drop in price, we’ve already saved \$86/ton by not sending it to the landfill!

We’ve had a few residents ask why we have two balers. We determined a few years ago that we could only operate for 4 to 5 hours before experiencing an overflow of material, so we purchased a used baler from the City of Franklin (partially funded by a \$5,000 grant from NH the Beautiful). The older baler is less likely to experience a failure, with the work spread over two machines.

Thank you all for using the ClearStream recycling containers at the Lee Little River Fair!

We will be closed on Thanksgiving Day and Christmas.

REDUCE, REUSE, RECYCLE

CHANNEL 13

Check your local TV channel 13 to view Selectmen’s meetings, which are aired daily at 7:00 am; 2:00 pm; 7:00 pm.

You may also view meetings and other community videos online through the media site at leenh.org.

11TH ANNUAL HOLIDAY TREE LIGHTING!

Saturday, December 1, 2012

5:45 pm

At the Lee Triangle on Mast Rd

Last year's tree lighting was a great success with many new neighbors attending. It is always nice to see new people and those who never miss the tree lighting.



We unite with the Lee Library again this year for another special holiday concert at the Jeremiah Smith Grange at 6:00 pm. We always have fun meeting our neighbors and sharing in this annual tradition of lighting our tree! Please come and be a part of this community event! Thank you, Elena Pascale

HOLIDAY FESTIVAL

Saturday, November 17, 2012

Lee Church Congregational

17 Mast Rd, Lee

9:00 am – 2:00 pm

Breakfast with Santa at the Lee Safety Complex beginning at 7:30 am.

The fair will offer: one of a kind crafts, knit shop, great baked goods, kid's korner, beautiful holiday centerpieces/greenery, book nook, a white elephant table, and lunch will be available.

LIVING NATIVITY

Sunday, December 16

1:30 pm

We invite everyone to come and join in a tradition, which started over 40 years ago in the Town of Lee! We use live animals in the nativity while children from the church and community re-enact the nativity.

Visit with the nativity animals, and join in a community gathering for hot cocoa and cookies in Fellowship Hall. Sponsored by the Lee Church Beautification Committee. If your child would like to participate, call 659-2861.

Snow date will be Sunday, Dec 23rd.

CHRISTMAS EVE WORSHIP

Lee Church Congregational

17 Mast Rd, Lee

December 24th

Service Times

4:30 pm Children's Service (all welcome)

6:30 pm

8:00 pm

CHURCH SUPPERS

Lee Church Congregational

17 Mast Road

Saturday, October 13

5:00 - 7:00 pm

Sponsored by the Music Committee

In November join us for lunch at the Holiday Festival! (No suppers in November & December)

Our home-style menu varies but you will always find a delicious meal seasoned with good fellowship. Call 659-2861 for ticket prices or stop by the day of. Menu will be posted prior.

WORSHIP SERVICES

Lee Church Congregational

17 Mast Road

Praise Service with contemporary Christian music and band at 8:30 am or Traditional Service with a variety of traditional music and organ at 10:30 am

Sunday school and Nursery Care available at both services.

Lee Town Crier

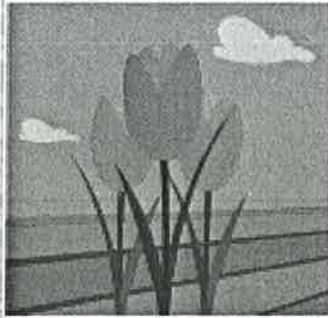
Established in January 1970

Volume 70

Coordinator: Dawn Hayes

SPRING 2013 (April, May & June)

Typesetting, Layout & Design: Dawn Hayes



TOWN of LEE ELECTION RESULTS

Selectman – CAROLE DENNIS

Treasurer – BENJAMIN GENES

**Library Trustees –
KATRINKA PELLECCIA
CYNTHIA GIGUERE-UNREIN**

Cemetery Trustees – JANICE NEILL

**Trustees of the Trust Fund –
SCOTT BUGBEE**

**Advisory Budget Committee
For 3 years – PAT BARBOUR
For 3 years – SCOTT BUGBEE**

**Article 2
(Zoning Amendment)- PASSED**

**Article 3
(Race Car Driving School)- FAILED**

**Article 4
(Operating Budget)- PASSED**

**Article 5
(Capital Reserve Trust Funds)- PASSED**

**Article 6
(Grass Field at Little River Park)- PASSED**

**Article 7
(Police Cruiser)- PASSED**

OYSTER RIVER COOPERATIVE SCHOOL DISTRICT RESULTS

Moderator – RICHARD LAUGHTON

**School Board At Large –
THOMAS NEWKIRK
KENNETH ROTNER**

Article 3 – Shall the District vote to approve the Collective Bargaining Agreement between Oyster River Education Support Personnel Association and the ORCSD?
PASSED

Article 4 – Shall the district raise and appropriate \$40,000 for the purpose of supporting initiatives requested by the Oyster River Sustainability Committee?
PASSED

Article 5 – Shall the district vote to authorize the retention of year-end unassigned general funds not to exceed 2.5% of the current fiscal year's net assessment?
PASSED

Article 6 – Shall the district raise and appropriate an operating budget, not including appropriations by special warrant article and other appropriations voted separately, totaling \$38,815,855?
PASSED

**CONGRATULATIONS
TO ALL
NEWLY ELECTED OFFICIALS!**

THE EDUCATIONAL SURROGATE PARENT VOLUNTEER PROGRAM is looking for caring individuals who are committed to children and understand the importance of education.

[CLICK HERE](#) to find out more

**GREEN INFRASTRUCTURE FOR NH COASTAL WATERSHED COMMUNITIES
LAMPREY RIVER WATERSHED WORKSHOP**

May 13th 4:00 - 6:00 pm

Epping Town Hall, 157 Main Street

Attend this free workshop which is open to all coastal watershed communities and practitioners. [CLICK HERE](#) for Invitation and Agenda.

Please RSVP to Julie LaBranche at (603) 658-0522 or jlabranche@rpc-nh.org. Provide your name, town/city and/or affiliation, email or phone number.



THE LEE CHURCH 23RD ANNUAL PLANT SALE

Friday May 16th 4 - 7:00 pm

Saturday May 17th 9 - Noon

17 Mast Road (Route 155)

Plants of all varieties; shrubs, small trees, perennials, herbs & vegetables. Selected to be perfectly happy to grow where we live! Come early for best selection. Master Gardeners are on hand for consultation. We offer fresh stock on Saturday morning. Come both days!

LEE CHURCH FRIDAY NIGHT SUPPER

The Lee Church 5:00 - 7:00 pm

Beef Stew / Mac & Cheese, Salad, Dessert, & Beverages

LEE CHURCH BREAKFAST

Saturday May 17th 8:00 am

Join us for a deliciously prepared breakfast served with coffee and juice for a nominal fee. Hosted by the Lee Church Women's Guild.



WE INVITE YOU TO JOIN US AT WORSHIP SERVICES

LEE CHURCH CONGREGATIONAL
Praise Service with contemporary
Christian music and band at 8:30 am or
Traditional Service with a variety of
choirs, traditional music and organ at
10:30 am. Fellowship coffee hour follows
both services with nursery care
available.

Sunday school and nursery care
available at both services.

LENTEN STUDY

As our Lenten Study, we are happy to
offer a series entitled "Embracing an
Adult Faith: Marcus Borg on What It
Means to be Christian".

This is a five week session meets on
Tuesday evenings at 7:00 pm and runs
from **February 19th through March 19th**.
During the series, attendees will watch
a DVD and participate in group
discussion. All are welcome to join us.
Call Lee Church Congregational Office
at 659-2861 to sign-up.

SPECIAL WORSHIP SERVICES

Civil Rights Sunday – January 20
Services at 8:30 & 10:30 am

Mission Sunday - January 27 - With a
message from Susan Hollinger
regarding her numerous trips to Africa
to provide medical assistance and
training.

Ash Wednesday – February 13
Service 7 pm

EASTER WEEK

Palm Sunday – March 24
Services at 8:30 am and 10:30 am

Maundy Thursday – March 28
Tenebrae Service 7:30 pm

Easter Sunday – March 31
Sunrise Service 6:25 am
Rt. 155 ("Bradbury Pasture")

Easter Breakfast at Lee Church to
follow. Additional Services at 9:30 and
10:30 am in the Sanctuary.



CHURCH SUPPERS AT LEE CHURCH CONGREGATIONAL

On **January 19th** we will be serving
ham and beans, a salad bar, breads,
dessert and beverages. Come join us for
a delicious evening filled with friendly
faces from 5:00 - 7:00 pm in Fellowship
Hall. Cost: Adults \$8, Seniors \$7,
Children under 12 \$5.

On **February 16**, we will be offering a
spaghetti supper with all the
trimmings: full salad bar, italian
breads, Spumoni Ice Cream with a
surprise topping. Serving will begin at
5:00 pm – 7:00 pm in Fellowship Hall.
Cost: Adults \$8, Seniors \$7 and
children under 12 \$5.

March 16 will be our very popular
corned beef and cabbage dinner in
Fellowship Hall. Come early (while the
food lasts) to be sure you enjoy this
wonderful meal! Serving begins at 5:00
pm – 7:00 pm in Fellowship Hall. Cost:
Adults \$8, Seniors \$7 and children
under 12 \$5.

Call 659-2861 for ticket prices or stop by
the day of.

Certificate of Appreciation

We Hereby Express Our Sincere Appreciation To

William Stone

For his Eagle Scout Project of Trail Signage in the Maud Jones Memorial Forest

Presented

November 24, 2014

David Cedarholm, Chairman

Carole Dennis

Scott Bugbee

Lee Select Board



William Humm, Chair

Lee Conservation Commission

Auto Racing Noise Study RFP November 17, 2014		Acentech		Noise Control Eng. LLC		Nancy Timmerman		HMMH		Cavanaugh Tocci Assoc		Reuter Associates	
	33 Moulton St Cambridge, MA 02138 617-499-8034 Eric Wood	799 Middlesex Tpke Billerica MA 01821-3445 978-670-5339 Michael Bahtharian	25 Upton St Boston MA 02118 617-266-2595 Nancy Timmerman	77 So Bedford St Burlington MA 01803 781-229-0707 Christopher Menge	327 F Boston Post Rd Sudbury MA 01776-3027 978-443-7871 Gregory Tucci	10 Vaughn Mail St 201A Portsmouth NH 03801 603-430-2081 Eric Reuter							
Phase I	Is the Ordinance enforceable in its current form?	Estimate for PH I & II is \$9,750 based on time & materials	Estimate based on time & materials	Estimate based on \$160/hr.	Estimate based on time & materials	Estimate based on time & materials	No breakdown based on PH I&II in the RFP	Estimate based on time & materials	Estimate based on time & materials				
	If not, what changes should be made to the Ordinance to make it effective and enforceable?	Proposing to install two or more noise-monitoring systems for the 2015 season at a cost TBD		If Timmerman does not do sound measurements, deduct \$5500 from the total project cost	Incl. preliminary noise analysis	Estimate based on materials	Does not include attendance at meetings. Fee schedule provided	Estimate based on \$220/hr.					
	Does the current ordinance reflect best practices and standards for sound monitoring and control?	No cost itemization, no fee schedule, no timeline submitted			No Fee Schedule								
	What guidance would you provide with respect to the topics provided in Attachment B?												
	What other factors should the Committee and the Board consider when determining how best to effectively and defensibly monitor and enforce the Ordinance?												
Phase II	Provide specific guidance as to the logistics of noise monitoring, including location, equipment, frequency and related topics. Given your experience and the information provided, who should be conducting monitoring activities (e.g., town officials/police, independent outside party, etc.)?		PH II includes noise monitoring & field measurements	PH I &II includes noise monitoring & field measurements	Incl. taking noise measurements during one race night								
	How long would it take for you to collect sufficient baseline data to be able to commence monitoring for enforcement purposes?	May include a noise contour map?	Optional noise modeling/mapping \$5200										
		Optional 2nd round of field measurements \$2600											
	TOTAL FOR PH I & II	\$ 9,750.00	\$ 13,500.00	\$ 10,610.00	\$ 6,833.00	\$ 16,600.00	\$ 3,120.00	\$ 6,240.00	\$ 18,100.00	\$ 16,050.00	\$ 14,473.00	\$ 16,600.00	\$ 10,500.00

NOISE CONTROL ENGINEERING, LLC

799 Middlesex Turnpike
Billerica, Massachusetts 01821
Voice: 978-670-5339
Fax: 978-667-7047

Email: mikeb@noise-control.com
URL: www.noise-control.com

MICHAEL A. BAHTIARIAN **BOARD CERTIFIED ACOUSTICAL ENGINEER**

SUMMARY: During his 27 year engineering career Mr. Bahtiarian has worked in all phases of sound and vibration including: analysis, testing, product development and marketing. At Noise Control Engineering, Mr. Bahtiarian has managed numerous noise control projects and testified as an expert witness. He has published three papers on related topics.

EDUCATION:

Bachelor of Science, Mechanical Engineering, Pennsylvania State University, 1985.
Masters of Science, Mechanical Engineering, Rensselaer Polytechnic Institute, 1988.

PROFESSIONAL EXPERIENCE:

- | | | |
|--------------------------------|---|-----------------|
| • Vice President | Noise Control Engineering, Inc. | 1994 to present |
| • Technical Specialist | ADE Corporation | 1990 to 1994 |
| • Senior Engineer | Fabreka International M/RAD Division | 1989 to 1990 |
| • Sound and Vibration Engineer | General Dynamics Electric Boat Division | 1985 to 1989 |

HONORS AND SOCIETIES:

- Institute of Noise Control Engineers (INCE), Board Certified, 2004.
- Penn State World Campus Certificate in Noise Control Engineering, 2003.
- America Society of Mechanical Engineers (ASME), Noise Control & Acoustics Division, 1985 to present
- American Society of Mechanical Engineers (ASME), B89.4.17 CMM Vibration Standards Committee, 1992-94.
- Institute of Noise Control Engineers (INCE), Full Member, 1995 to present.
- Institute of Environmental Sciences (IES), President Boston Chapter, 1994-1997.
- Engineer-in-Training (EIT) Certificate, 1985.

PROFESSIONAL RESPONSIBILITIES AND PROJECTS:

Mr. Bahtiarian has worked in various capacities in the field of acoustical and vibration engineering throughout his career. His experiences broadly covers the areas of acoustics, noise control and sound & vibration measurement. Mr. Bahtiarian has extensive experience in the design of noise control treatments such as barriers, enclosures, damping and vibration isolation. Mr. Bahtiarian's responsibilities at NCE are to manage industrial noise reduction projects and perform product and environmental noise studies.

Mr. Bahtiarian has been involved in various industrial noise reduction projects. These include evaluation of OSHA noise exposure and reduction recommendations, design of noise barriers for industrial noise control and assessment of reverberation conditions in many plants and commercial spaces. Mr. Bahtiarian has written the environmental noise control plan and performed the noise studies for construction programs at the Deer Island Sewage Facility and the Massachusetts Central Artery/Tunnel (CA/T) projects. Mr. Bahtiarian has also performed environmental noise surveys and assessments for both industrial and private citizen clients. On these matters, Mr. Bahtiarian has testified in court and for municipal boards as an expert witness in acoustics.

Mr. Bahtiarian has also consulted to manufacturing clients on the noise reduction and vibration sensitivity of their products. Products evaluated included turbine generators, wastewater evaporators, medical test equipment and personal computers. Services performed include noise surveys, treatment design and structural and vibration testing of products.

Mr. Bahtiarian has experience in predicting noise from various types of industrial equipment and Heating Ventilation and Air Conditioning (HVAC) systems. Mr. Bahtiarian instrumentation capabilities includes operation of integrating and logging sound levels meters, octave and 1/3 octave band analyzers and spectrum analyzers. Mr. Bahtiarian has also conducted reverberation sound (RT-60), damping loss factor and wall transmission loss tests.

As a product Technical Specialist at ADE, Mr. Bahtiarian was responsible for evaluation of customer applications for non-contact vibration measurement transducers. This included a review of transducer performance (resolution, linearity & bandwidth) fixture design and transducer installation. Mr. Bahtiarian also developed a PC based dynamic measurement system for measuring vibration from bearings used in disk drives and precision machine tools. He served as Project Manager, Marketing and Technical Specialist during the 9 month development.

As an assistant to the President/Chief Engineer at Fabreeka, Mr. Bahtiarian performed routine stress, static and dynamic calculations in support of the design of vibration and shock testing equipment. He designed vibration test fixtures, and evaluated the dynamic performance using FEA and Modal Analysis methods. He also designed and engineered specialized vibration isolation platforms. These ranged from very large seismic bases for Coordinate Measuring Machines (CMM's) to desktop platforms for precision microscopes. Mr. Bahtiarian coordinated product development between customers, and in-house design and manufacturing departments, wrote technical manuals, conducted quality assurance tests and performed on-site installation of large capital equipment.

At Electric Boat, Mr. Bahtiarian served as a sound & vibration engineer on the new design program of the SEAWOLF Class Submarine. The responsibilities in this position included the evaluation of all design impacts on shipboard radiated noise. Mr. Bahtiarian developed component noise criteria for reactor plant components such as the Reactor Coolant Pumps. The development of this noise criteria involved studying the effects of structural impedance on component vibration. He also evaluated the need for quiet valves in the SEAWOLF propulsion plant. He authored the noise control sections of propulsion plant cooling systems, and the "Design Guide for the Acoustic Design of the Aft Reactor Bulkhead".

INTERNAL REPORTS (INDUSTRIAL & ENVIRONMENTAL)

1. "580 Mass Ave Nightclub Evaluation," NCE TM 11-016, April 2011.
2. "Background Noise Monitoring at Proposed Colebrook Wind Turbine Sites", NCE TM 11-014, April 2011.
3. "Interior Noise Prediction of the Equipment Mezzanine," NCE TM 10-060, May 2010.
4. "Fore River Transportation: Locomotive Horn Test," NCE TM 10-059, May 2010.
5. "Crane Vibration Survey & Evaluation," NCE TM 10-004, January 2010.
6. "Gymnasium Design Review: New Worcester North High School," NCE TM 09-012, April 2009.
7. "General Building & HVAC Design Review: New Worcester North High School," NCE TM 09-009, March 2009.
8. "Hook and Loop Sound Tests" NCE TM 08-025, April 2008.
9. "480 Arsenal Street, Watertown: Rooftop Equipment Noise Evaluation," NCE TM 08-024, April 2008.
10. "Background Noise Survey around DRS Fitchburg," NCE TM 08-015, January 2008.
11. "BAE: Sound Transmission Class (STC) Measurements, NCE Technical Memo 07-049, November 2007.
12. "Reverberation Evaluation at the Moultonborough Public Library," NCE Technical Memo 07-046, November 2007.
13. "Acoustic Evaluation of: Marine & Natural Science Building Laboratories Retest, School of Architecture High Bay Review Room, Performing Arts Center," NCE Technical Memo 07-031, July 2007.
14. "Noise Monitoring at 11 Oakwood Drive, Webster MA," NCE Technical Memo 07-020, April 2007.
15. "Noise Evaluation of Associates of Cape Cod," NCE Technical Memo 07-018, March 2007.
16. "Acoustical Testing of Zip Coasters & Other Attractions," NCE Technical Memo 2006-069, Dec. 2006.
17. "Noise Monitoring at 11 Oakwood Drive, Webster, MA," NCE Technical Memo 2006-051, Sept. 2006.
18. "Orchard Woods: Sound Transmission Class (STC) Measurements," NCE Technical Memo 2006-039, June 2006.
19. "NationsRent Noise Monitoring Report," NCE Technical Memo 2006-038, June 2006.
20. "Security Forces Operations Facility Noise Survey – Westover AFB", NCE Technical Memo 2006-022, March 2006.
21. "NAVFAC Fire Station Acoustic Evaluation", NCE Technical Memo 2004-046, dated November 22, 2004.

22. "GE-AE Broacher Noise Assessment", NCE Technical Memo 2004-039, dated October 21, 2004.
23. "Mechanical Room Evaluations", NCE Technical Memo 2004-006, dated April 2, 2004.
24. "Acoustic Evaluations of Roger Williams University Facilities", NCE Technical Memo 2004-002, dated January 22, 2004.
25. "Analytical Evaporator Room Vibration Survey" NCE Technical Memo 2003-027, dated December 17, 2003.
26. "Acoustic Analysis of a Bottle & Can Crushing Facility", NCE Technical Memo 2003-026, dated December 12, 2003.
27. "Quarry Sound Monitoring", NCE Technical Memo 2003-023, dated November 10, 2003.
28. "Acoustical Assessment of 131 Spring Street Lexington", NCE Technical Memo 2003-022, dated November 10, 2003.
29. "Acoustical Testing of Lodengraf™ Damping" NCE Technical Memo 2003-020, dated October 3, 2003.
30. "Acoustical Testing of Spray-on Damping", NCE Technical Memo 2003-019, dated October 3, 2003.
31. "Quarry Sound Monitoring", NCE Technical Memo 2003-018, dated September 10, 2003.
32. "Oven Acoustic Evaluation", NCE Technical Memo 2003-013, dated March 11, 2003.
33. "Wood Chipper & Sonic Horn Acoustic Evaluation", NCE Technical Memo 2002-024, dated January 8, 2003.
34. "Hammer Shop Area Noise Control Evaluation", NCE Technical Memo 2002-020, dated December 9, 2002.
35. "Press Area Noise Control Evaluation", NCE Technical Memo 2002-021, dated December 9, 2002.
36. Ft. Monmouth Buildings 1209 & 1210, Chiller Acoustic Evaluation, NCE Technical Memo 2002-011, dated July 10, 2002.
37. "Community Center Noise Barrier Design", NCE Technical Memo 2002-006, dated April 30, 2002.
38. "Locomotive Cab Noise Survey", NCE Technical Memo 2002-005, dated March 18, 2002.
39. "Acoustic Assessment of 60 Westview Avenue", NCE Technical Memo 2002-003, dated February 28, 2002.
40. "Building #80 Compressor Noise Evaluation", NCE Technical Memo 2002-002, dated January 31, 2002.
41. "Acoustic Assessment of 480 Arsenal Street, Watertown, MA", NCE Technical Memo 2001-016, dated July 24, 2001.

42. "Factory Noise Survey & Treatment Recommendations, NCE Technical Memo 2001-006, dated February 16, 2001.
43. "Classroom Acoustical Evaluation at Wildwood Elementary School", NCE Technical Memo 2000-025, dated October 25, 2000.
44. "Cooling Tower Noise Control", NCE Technical Memo 2000-024, dated October 31, 2000.
45. "Spirol Vibratory Feeder Noise Measurements", NCE Technical Memo 2000-022, dated October 10, 2000.
46. "Test Cell Acoustic Evaluation", NCE Technical Memo 2000-021, dated September 29, 2000.
47. "Nighttime Sound Monitoring at Severance Truck Terminal", NCE Technical Memo 2000-015, dated June 29, 2000.
48. "Truck Loading Facility Noise Survey", NCE Technical Memo 2000-013, dated June 6, 2000.
49. "MTSA Sound Survey & Noise Control Recommendations" NCE Technical Memo 2000-006, dated March 31, 2000.
50. "Hopkinton Meadow Noise Evaluation Study" NCE Technical Memo 99-018, dated January 14, 2000.
51. "Final Noise Survey, ArQule New Woburn Building" NCE Technical Memo 99-017, dated November 5, 1999.
52. "Sabre Street Building Sound-Proofing", NCE Technical Memo 99-015, dated September 30, 1999.
53. "Branchville Pumping Station Noise Assessment", NCE Technical Memo 99-014, dated October 8, 1999.
54. "Go-Cart Noise Assessment Study", NCE Technical Memo 99-012, dated September 7, 1999.
55. "Vibration Survey; 200 Wells Avenue, Newton, MA", NCE Technical Memo 99-011, dated June 23, 1999.
56. "Wastewater Evaporator Noise Reduction", NCE Technical Memo 99-007, dated April 23, 1999.
57. "Noise & Vibration Assessment for ArQule's New Woburn Building", NCE Technical Memo 98-012, dated January 22, 1999.
58. "Noise Control Treatment Recommendations for (deleted) Plant", NCE Technical Memo, 98-010, dated October 6, 1998.
59. "Compressor Noise Control at Amoco Cooper River Plant", NCE Technical Memo 98-006, dated June 30, 1998.
60. "Acoustic Property Evaluation of Wood & Cored Panels", NCE Technical Memo No. 97-029, dated December 10, 1997.
61. "Damping Measurements of Wood & Cored Panels", NCE Technical Memo No. 97-023, dated September 12, 1997.

62. "Vibrations Analysis of FT-IR Spectrometer Baseplates", NCE Technical Memo No. 97-019, dated July 21, 1997.
63. "CP Clare Beverly Research Facility: Seismic Vibration Survey", NCE Technical Memo No. 97-017, dated July 15, 1997.
64. "Central Artery/Tunnel Project, Contract C19B8: Noise Control Plan", NCE Technical Memo No. 97-006, dated May 20, 1997.
65. "Flagship Drive North Andover: Baseline Noise Survey", NCE Technical Memo No. 97-011, dated May 6, 1997.
66. "Central Artery/Tunnel Project, Contract C19B8: Noise Monitoring Plan", NCE Technical Memo No. 97-005, dated March 31, 1997.
67. "Noise Control & Monitoring Plan; Deer Island Construction Project, CP-160", NCE Technical Memo No. 95-018, dated September 18, 1995.

PUBLISHED PAPERS & ARTICLES

- "*Far-Field Noise Surveys using a GPS Receiver*", Proceedings of the 2003 Institute of Noise Control Engineering (INCE) Annual Meeting, NoiseCon, June 2001.
- "*Building a Quiet Vessel without a Navy Budget*" Two Part Article, Marine News January & February 2002.
- "*The Precise Acoustic Design of a Pilot Station Boat*", Proceedings of the 2001 Institute of Noise Control Engineering (INCE) Annual Meeting, NoiseCon, October 2001.
- "*The ABC's of Noise Control*", Industrial Safety & Health News (ISHN), October 2000.
- "*Diagnosing and Curing Global Ship Resonances*", Proceedings of the 2000 Institute of Environmental Science and Technology (IEST) Annual Technical Meeting, May 2000.
- "*Simpler Torsional Shafting Tests for USCG Coastal Patrol Boat*", Proceedings of the 1998 Annual Workboat Show, December 1998.
- "*Silent Treatments, Steps for Quieting Workboats*", Workboat Magazine, October 1998.

TESTIFYING EXPERIENCE

- State of New Hampshire District Court: Testified as an expert witness in defense of a bar/night club which was charged with noise ordinance violation.
- State of Vermont Environmental Board: Reviewed the proponent's environmental impact study for the installation of a Waste Transfer Station. Testified as an expert witness on behalf of the abutting residents to the proposed Transfer Station.
- City of Salem, Massachusetts Planning Board: Presented the results of an acoustic study for a proposed "Go-Cart" establishment on behalf of the project proponent.

- *Town of Hopkinton, Massachusetts Planning Board*: Presented the results of an acoustic study of a proposed housing development on behalf of the project proponent.
- *City of Watertown Massachusetts, Selectman's Hearing*: Presented the results of an acoustic study of a proposed building re-development on behalf of the project proponent.
- *State of Massachusetts Housing Board of Appeals Committee*: Conducted site survey of potential housing project located next to light industrial facility. Testified that site was within HUD required sound levels.
- *City of Kingston, Massachusetts Planning Board*: Conducted an evaluation of proposed bottle crushing operation within expanded portion of an existing building. Testified that new operation would be within self-imposed noise limits.
- *City of Lee, New Hampshire, Board of Selectman*: Conducted an evaluation of the affects of a noise barrier on abutter noise from the Lee Speedway. Testified to the overall design of the barrier and sound reduction to be expected.
- *State of Connecticut (Energy) Siting Council*: Testified on behalf of resident group to three 4+ megawatt wind turbine projects located in Prospect (Petition No. 980) and Colebrook (Petition No. 983 & 984). Services included a peer review of the developer's wind turbine noise evaluation, re-computing sound pressure levels using revised assumptions and the performance of a background noise survey for the Colebrook site.

PERSONAL

Michael Bahtiarian has been married since 1990 and lives in suburban Boston with his wife and two daughters. Hobbies include hiking, camping, biking & skiing.

**Noise Control
Engineering, LLC**



799 MIDDLESEX TURNPIKE
BILLERICA MA 01821-3445
PHONE: 978-670-5339
FAX: 978-667-7047
E-mail: nonoise@noise-control.com

November 14, 2014

NCE Proposal: P2014-NCE-183, Auto Racing Noise Study

Town of Lee
Ad Hoc Racetrack Committee
7 Mast Road
Lee, NH 03861

Dear Committee Members:

Noise Control Engineering, LLC (NCE) is pleased to submit this proposal for an Auto Racing Study of the Lee Speedway in Lee, New Hampshire. NCE has reviewed the Request for Proposal (RFP) and also attended the pre-proposal meeting at the racetrack on November 10, 2014.

After review of the RFP and listening to the concerns expressed at the pre-proposal meeting, NCE has come up with five (5) tasks as follows: (1) Kick off meeting, ordinance review/research, (2) Noise modeling/mapping, (3) On-Site measurements (round one), (4) On-site measurements (round two) and (5) Final report & presentation. The attached proposal describes our scope-of-work associated with each of the five tasks and provides pricing.

I hope this proposal meets your technical and budgetary requirements. If you should need anything else please feel free to contact myself by email mikeb@noise-control.com or by phone.

Sincerely,
NOISE CONTROL ENGINEERING, LLC

A handwritten signature in blue ink, appearing to read 'Michael Bahtiarian', with a long horizontal flourish extending to the right.

Michael Bahtiarian, INCE Bd. Cert.
Vice President

PROPOSAL P2014-183



Auto Racing Noise Study

November 14, 2014

PREPARED FOR:

TOWN OF LEE

7 Mast Road

Lee, NH 03861

Attention: Ad Hoc Racetrack Committee

PREPARED BY:

NOISE CONTROL ENGINEERING, LLC

799 Middlesex Turnpike

Billerica, MA 01821

978-670-5339

978-667-7047 (fax)

nonoise@noise-control.com (email)

The information contained herein shall not be disclosed beyond the Town of Lee personnel and the Ad-Hoc Racetrack Committee. No material within this proposal shall not be duplicated, used or disclosed in whole or in part. This restriction applies to all the pages of this proposal.

1.0 INTRODUCTION

Noise Control Engineering, LLC (NCE) is pleased to submit proposal P2014-184 to the Town of Lee, New Hampshire to provide an Auto Racing Noise Study as outlined in the Town of Lee Request for Proposals (RFP) dated October 13, 2014. NCE has reviewed RFP and has come up with five tasks associated with conducting an Auto Racing Noise Study as follows: (1) Kick off meeting, ordinance review/research, (2) Noise modeling/mapping, (3) On-Site measurements (round one), (4) On-site measurements (round two) and (5) Final report & presentation. Section 2 of this proposal provides NCE's proposed scope of work and Section 3 provides pricing. Section 4 discusses NCE proposed project schedule. Section 5 provides the firm's qualifications and project management. Section 6 includes short summary of three previous NCE jobs of a similar nature to the effort proposed herein. Lastly, Section 7 gives our contractual terms.

2.0 PROPOSED SCOPE OF WORK

NCE has divided the scope of work into five tasks with details given below. Two of the three tasks are optional. Task 1 corresponds to the questions and issues mentioned in Phase 1 of Section 2 of the RFP. Task 2 corresponds to the questions and issues mentioned in Phase 2 of Section 2 of the RFP. The proposed scope of work for each task is given below.

TASK #1: Ordinance Review (Phase I)

NCE will formally review the Town of Lee Race Track Ordinance, specifically Section 21. NCE will address the five questions given as part of the Phase I effort in the RFP. These are given below for clarity.

- 1. Is the Ordinance enforceable in its current form?*
- 2. If not, what changes should be made to the Ordinance to make it effective and enforceable?*
- 3. Does the current ordinance reflect best practices and standards for sound monitoring and control?*
- 4. What guidance would you provide with respect to the topics provided in Attachment B?*
- 5. What other factors should the Committee and the Board consider when determining how best to effectively and defensibly monitor and enforce the Ordinance?*

In order to facilitate a proper review and provide feedback that is on target with the Committee needs, NCE proposes to attend a Race Committee meeting to engage the committee directly. NCE will be prepared to answer initial questions, but this kick-off meeting would be more to collect information and thoughts from the Committee and Lee residents. NCE believes this meeting can occur within 15 days of receiving a contract from the Town of Lee.

NCE will critically review the Race Track ordinance. NCE will also review ordinances in other municipalities throughout New Hampshire and other states which have racing facilities similar to those of the Lee Speedway. A preliminary report will be provided with findings and initial suggestions relative to the Phase I questions above.

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TASK #2: Noise Monitoring Procedure & Field Measurements (*Phase II*)

Based on the findings of the Task #1 ordinance review and research, NCE will develop a “Noise Monitoring Procedure” for evaluation of the Race Track during race events. The written test procedure will be provided to the Race Track Committee, Lee Speedway and Town of Lee Police Department for initial review. The Noise Monitoring Procedure will address the logistics of noise monitoring specifically:

- Selection and recommendation for the type and grade of sound level meter (SLM) and calibration equipment for proper noise monitoring.
- Selection of the proper acoustic parameters for noise monitoring; potentially including: L_{EQ} , L_{10} and L_{90} .
- Selection of proper instrumentation settings: fast/slow, A-weighting/C-weighting.
- Primary and secondary locations for noise monitoring.
- Determination of proper meteorological conditions such as wind speed/direction.
- Determination of times during the event and duration for proper noise monitoring.

Using this Noise Monitoring Procedure, NCE will conduct an extensive set of field measurements during the first possible race event¹. NCE will provide all instrumentation and perform all measurements given in the procedure. Additional measurements of background sound, property line and within the Speedway are also proposed.

NCE recommends that the Town of Lee Police Department would participate in observation role for measurements that may be taken at or beyond the Speedway property line. It is suggested that sound level meter(s) currently owned by the Town be brought and used by either Lee Police Department or NCE. NCE also recommends that the Speedway participate in observation role for noise measurements taken within the Speedway property line. Again, it is suggested that sound level meter(s) currently owned by the Speedway be used by either Speedway or NCE. Feedback from actual operations on the NCE proposed Noise Monitoring Procedure from the Police Department and the Speedway would be sought after the survey is completed.

One week prior to the race day, NCE will set up at a logging sound level meter that will record the existing background (or ambient) noise levels for a period of 7 days, 24 hours per day. This data will be used to determine the existing background noise. NCE will compile the data and compare the background noise levels during the racing time of day for 7 days prior to the race day. The logging SLM will be left in place during the race event so the background and the race day sound levels can be compared.

¹ It will be up to the Race Committee to select which race event shall be evaluated under this Task. The Committee should consider the type/class of race cars to be raced and the expected quantity of vehicles on the track. Both factors will contribute to overall sound levels during the race. NCE will be happy to help the Committee evaluation options as required. Keep in mind that selection of later races will affect the proposed project schedule given in Section 4.

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After the field survey is completed, NCE will provide a brief report on the findings of the survey itself, the background noise measurements and feedback from the Police Department and the Speedway.

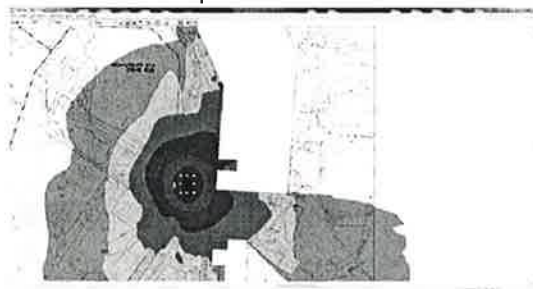
TASK #3: Final Report (Phase II)

NCE will prepare a final report which will compile the results of the ordinance review, the Noise Monitoring Procedure and the single day of field testing. Final recommendations that address the proper requirements within the noise ordinance and appropriate measurement protocol will be provided in the report. No sooner than 30 days after submission of the final report, NCE will attend a Race Track Committee meeting and present the results and be prepared to address questions from the Committee, Lee Board of Selectman and residents. Updates and changes to the report will be made as necessary.

TASK #4: Noise Modeling/Mapping (Optional)

As an optional task, NCE is offering to perform noise modeling/mapping of the race track and surrounding community. The modeling will be performed using Cadna/A environmental sound modeling program which can evaluate the sources of noise (race cars on the track)¹ topography and foliage/ground cover. The Speedway will have to provide sound specifications including A-weighted and octave band sound pressure levels at a specific distance or sound power levels for the selected race car types². NCE will use Town or State GIS data and aerial maps (or as last resort Google Earth images) for visual presentation.

FIGURE 1: Example of the noise model & sound pressure level contours.



The Cadna/A software can take into account shielding, reflection, elevation differences and other factors. NCE will model the area around the race track out as far as the nearest abutting neighborhoods in all directions. The model will include any major buildings within this area. The output of the Cadna/A noise models are sound contours as shown in Figure 1. NCE will compare

¹ It would be assumed equal sound source levels and uniform distribution on the track, subject to verification and further discussion.

² NCE would be prepared to measure this data if it is not readily available at nominal additional cost to the Town.

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sound pressure levels at various locations including: the Speedway spectator stands, the Speedway property line and the nearest residential abutter property lines. The evaluation will be used to understand the changes in sound pressure level from the race car to the various property lines. The output of this model will be used to determine effective off-property noise level limits. The results of this task (if elected) will be included in the final report and presentations specified in Task 3.

TASK #5: Round Two Field Measurements (Optional)

As another optional task, NCE proposes to perform a second round of field testing. Any lessons learned from the Task #3 field measurements will be incorporated into changes to the NCE developed Noise Monitoring Procedure. These updated procedures will be used for the second round. The purpose of the second round is twofold. First, NCE envisions this survey to allow NCE to further train the Town Police Department and Race Track operators on the proposed noise measurement procedures. Second, it could be used to assess a varied race car class, varied race size (i.e. number of vehicles) or under potentially different environmental conditions.

During the second round, no background noise measurements will be performed. Also, NCE suggests that if recommended, the survey be performed by the Lee Police Department using their instrumentation (with NCE observation) and by NCE using its instrumentation. Further, the same should be the case within the Speedway, with measurements conducted by Speedway personnel (with NCE observation) and NCE using its instrumentation. The results of this task (if elected) will be included in the final report and presentations specified in Task 3.

3.0 PRICING

The table below provides a summary of the price for the services noted above. Tasks #1 through #3 are priced at \$18,100 on a time and material basis subject to NCE contractual terms given at the end of this proposal. Optional Tasks #4 and Task #5 are given in Table 1. Either optional task or both may be contracted. If both are chosen, the total price for all Tasks is \$25,900, again, subject to NCE contractual terms.

TABLE 1: Summary of Pricing for all Tasks.

Task	Description	Price
1	Ordinance Review (Phase I)	\$4,600
2	Field Measurements (Phase II)	\$7,000
3	Final Report w/ presentation (Phase II)	\$6,500
TOTAL		\$18,100
4	Noise Modeling/Mapping (optional)	\$5,200
5	Round Two Field Measurements (option)	\$2,600
TOTAL (w/ All Options)		\$25,900

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4.0 PROJECT SCHEDULE

NCE proposed project schedule is given below. Table 2 is the summary of the project schedule if none of the optional tasks are elected. The project schedule assumes that the Town of Lee will issue a contract on/around December 15, 2014. Given the proposed days to complete each task, the completion date is around June 2, 2014. Note that this completion date is completely driven by the first race day on/around April 12, 2014. If other than the first and second races are selected by the Race Track Committee, the completion dates will be later than proposed herein. Table 3 is the summary of the project schedule if all of the optional tasks are elected. The completion date moves out by 1½ months to around July 20, 2014.

TABLE 2: Summary of Project Schedule without Optional Tasks.

Task	Description	No. of Business Days to Complete	Dated Completed	Notes
1	Ordinance Review (Phase I)	≈ 60	15-Feb-14	Assumes contract issued on December 15, 2014
2	Field Measurements (Phase II)	≈ 10	22-Apr-14	10 days after the first race on 04/12/2014
3	Final Report w/ presentation	≈ 45	2-Jun-14	45 days after the first race on 04/12/2014

TABLE 3: Summary of Project Schedule with All Optional Tasks.

Task	Description	No. of Business Days to Complete	Dated Completed*	Notes
1	1 Ordinance Review (Phase I)	≈ 60	15-Feb-14	Assumes contract issued on December 15, 2014
4	Noise Modeling/Mapping	≈ 90	15-Mar-14	Assumes contract issued on December 15, 2014
2	Field Measurements (Phase II)	≈ 10	22-Apr-14	10 days after the first race on 04/12/2014
5	Round Two Field Measurements	≈ 10	12-Jun-14	10 days after the second race on 05/29/2014
3	Final Report w/ presentation	≈ 45	20-Jul-14	45 days after the second race on 05/29/2014

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5.0 PROJECT MANAGEMENT/FIRM QUALIFICATIONS

This project will be under the direct management of Mr. Michael Bahtiarian, Vice President and a Board Certified member of the Institute of Noise Control Engineering (INCE). This credential is equivalent to a Professional Engineer’s (PE) license for the field of acoustical engineering. Mr. Bahtiarian has been with NCE for more 20 years. He holds a B.S. in Mechanical Engineering from the Pennsylvania State University (PSU) and a M.S. in Mechanical Engineering from Rensselaer Polytechnic Institute (RPI). A copy of Mr. Bahtiarian’s curriculum vitae (CV) has been provided as a separate attachment.

Mr. Bahtiarian will be assisted by Allan Beaudry and Erik Quitzau as necessary. Mr. Beaudry has Bachelor of Science degree in Acoustical Engineering from the University of Hartford and 4 years’ experience with noise compliance and field surveys. Mr. Quitzau has a Bachelor of Science degree in Mechanical Engineering with a concentration in acoustics also from the University of Hartford.

Mr. Bahtiarian has completed dozens of noise compliance efforts over the past 20 years at NCE. These include noise compliance evaluations of industrial facilities, large air conditioning equipment, trucking facilities, wind turbines and many other sources of noise. NCE has represented both industrial abutters (i.e. the owners of the noise source) and residential abutters (those affected by the noise source). Mr. Bahtiarian has testified as an expert witness on numerous occasions throughout New England. Details are found on the provided CV. Lastly, NCE has a firm is a member of the National Council of Acoustical Consultants (NCAC). Membership requires meeting specific requirements for acoustical consulting field (see www.ncac.com for more information)

6.0 PRIOR PROJECTS/EXPERIENCE

As an example of work performed in the area of noise compliance, three projects below are provided along with client references.

Project #1:	Rehoboth Beach Noise Ordinance Review
Period of Performance:	September 2003 through December 2003
Client:	Town of Rehoboth Beach, DE
Contact Information:	Greg Ferrese, Town Manager 302-227-4641 information@cityofrehoboth.com

NCE consulted to the Town of Rehoboth Beach, Delaware to review and revise the Town’s noise ordinance. Rehoboth Beach is a sea-side community and they were experiencing problems with enforcement of the Town’s noise code with respect to local restaurants and bars that catered to the tourist visitors. NCE reviewed the Town noise regulation and compare it with noise regulations of similar sea-side Towns throughout the East Coast. NCE regulation review consisted of sound

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pressure level limits, locations where the limits apply and use of A vs. C weighting. NCE also advised the town on proper instrumentation and measurement methodology to be followed by the Police Department. One of the major recommendations was to add to the Entertainment Limit the requirement that for the nighttime periods (11pm to 8am), no sound from Entertainment establishments shall create audible sound that exceeds a C-Weighted level of 67 to 73 dB(C) at locations within a receiving property.

Project #2:	Truck Transfer Facility Noise Evaluation
Period of Performance:	September 2006 through July 2008
Client:	Mr. John Szeredy and fellow abutting residents
Contact Information:	Mr. Christopher Senie, Esq (508) 366-9845 Chris@Senie.com

NCE consulted to a community group which was represented by the attorney listed above. The source of bothersome noise was a “less-than-truckload” (LTL) trucking transfer facility in central Massachusetts. The LTL facility ran all through the night creating excessive noise. NCE conducted noise monitoring for a period of a week. NCE also conducted attended noise measurements and observed the bothersome noise. NCE represented the group at local board meetings and presented its findings to the Board of Health and Board of Selectman. In the end the LTL facility installed large noise barrier around its operation.

Project #3:	Air Conditioning Chiller Noise Compliance
Period of Performance:	July 2012 through June 2014
Client:	Confidential
Contact Information:	Mr. Bill McCarthy, Esq (617) 877-4107 billmccarthy@verizon.net

NCE consulted to a long established Boston business with respect to file complaints with the City of Boston. The source of the complaint was a set of air conditioning (AC) chiller units. NCE performed its own noise assessment measurements and Cadna/A noise modeling to determine compliance. NCE advised the client on possible solutions and helped their return-on-investment given that all the solutions would be in the \$500,000 to \$1,000,000 range. Final solutions were determined and NCE continue to advise the client on implementation of the noise control solution. NCE performed final test of the noise control treatment and provided reports indicating noise compliance was achieved.

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7.0 CONTRACTUAL TERMS; TIME AND MATERIAL

Please make note of the terms & conditions stated below:

- This proposal is presented as a time and material price of \$18,100 for just the required tasks and \$25,900 for all tasks (with two optional); with the task statements, quantities and deliverables as defined in the technical section of this proposal.
- NCE charges G&A and fee on Other Direct Costs, including travel.
- All payments are due within thirty (30) days of the invoice date.
- Any late payments are subject to an interest charge of 1.5 % per month.
- Any amounts due and unpaid are subject to all costs of attorneys' fees for collection.
- NCE will stop work on this project if payments are overdue by three weeks.
- This price is exclusive of any local taxes or license fees.
- This proposal may be considered valid for ninety (90) days from the date of this proposal.
- If travel is to take place on this project and specific instructions exist, NCE is to be notified before the travel occurs.
- If specific insurance requirements exist, NCE is to be notified prior to start of work.
- Any Bank fees incurred during payments will be charged to the client.
- In order to start the efforts proposed here Noise Control Engineering LLC will need the following:
 - **A Purchase Order Number**
 - **Bill To information**
 - **Signature & Name of Contact Person** if different from signer.

Purchase Order Number _____

Bill To Information _____

The undersigned agreed to mutual acceptance of this proposal.

Raymond Fischer Date
Noise Control Engineering, LLC

(Authorized Signature) Date

(Print Name and Title)

Contact Person (If different than Signer above) _____

Contact Person Phone _____

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HARRIS MILLER MILLER & HANSON INC.

77 South Bedford Street
Burlington, MA 01803
T 781.229.0707
F 781.229.7939
www.hmmh.com

November 17, 2014

Town of Lee, Ad Hoc Racetrack Committee
7 Mast Road
Lee, NH 03861

Subject: Proposal to Conduct an Auto Racing Noise Study for the Town of Lee, NH

Reference: HMMH Proposal No. P14-20344

Greetings:

Harris Miller Miller & Hanson Inc. (HMMH) is pleased to submit our Proposal to provide an Auto Racing Noise Study for the Town of Lee, NH in response to the RFP dated October 13, 2014 and the accompanying Addendum No. 1 dated October 20, 2014. We believe that our submission clearly demonstrates HMMH's unmatched credentials in this highly specialized field, including the following highlights:



- HMMH has a national reputation for excellence in the field of acoustics, over 35 consultants, and more than 30 years' experience in the business
- We have directly relevant motorsports project experience including noise studies for Club Motorsports in Tamworth, NH, the Concord Speedway and Dragway, and the Shenandoah Speedway
- Proposed key staff includes Tim Johnson and Chris Menge, who have extensive experience on motorsports noise studies, field noise measurements, noise modeling and contouring, and community involvement and presentations for motorsports projects.

We believe that the HMMH team is uniquely qualified to perform all of the services included in your scope of work and to assist the Committee in achieving the best situation acoustically for the Lee Speedway.

Please contact me (cmenge@hmmh.com) or Tim Johnson (tjohnson@hmmh.com) should you have any questions regarding our submittal. We look forward to the next step in the selection process.

Sincerely,

HARRIS MILLER MILLER & HANSON INC.

A handwritten signature in black ink that reads "Christopher W. Menge".

Christopher Menge, INCE
Principal Consultant and Senior Vice President

Proposal to Provide an Auto Racing Noise Study for the Lee Speedway, Lee NH

November 17, 2014

1 Project Scope and Understanding

Phase 1

Task 1.1 Critique Racetrack Ordinance

HMMH will review the current racetrack ordinance and provide feedback to the Town of Lee Ad Hoc Racetrack Committee based on our experience conducting field noise measurement programs and working with municipalities and racetrack operators to establish and meet acceptable noise level limits.

HMMH will provide information and guidance on our experience with noise metrics and sound level criteria that have worked well for other racetracks and municipalities based on our collective project experience. Factors to consider might include identifying the most appropriate maximum sound levels at any one moment or a noise metric that incorporates the number of “loud” noise events such as an hourly Leq.

HMMH will provide feedback on the ordinance regarding the type of noise measurement instrumentation to be used and the procedures to be followed. This will include such information as the appropriate ANSI Type of instrument, calibration procedures, and placement of the microphone relative to the racetrack property line.

HMMH will be available to discuss the critique of the ordinance with the Committee via teleconference. We anticipate feedback from the Committee and recommend working together to identify the best way for the Town to manage the Speedway acoustically.

Task 1.2 Preliminary Noise Analysis

HMMH will work with the Committee to obtain mapping of the community surrounding the Lee Speedway for the purpose of conducting a

preliminary noise analysis. We understand from the information provided at the pre-proposal meeting that the closest residential locations to the racetrack are those on Tamarack Road but that noise complaints often originate from residences to the east/southeast.

In an effort to better understand the noise issues faced by the Speedway and to provide the Committee with information, HMMH will conduct a preliminary noise analysis. We will utilize reference racetrack sound level data from our in-house files to model projected noise levels in the community.

The actual predicted noise levels will not be specific to the Lee Speedway, but the comparison of levels from one site to another will be accurate. The acoustical mapping of the community surrounding the Speedway will provide useful in establishing the locations where field noise measurements should be conducted during actual racing next season.

Task 1.3 Preliminary Noise Report

HMMH will produce a preliminary technical memorandum for the Committee summarizing the critique of the existing racetrack noise ordinance and the results of the preliminary noise analysis.

The memorandum will include specific recommendations regarding the noise measurements next season. We will also include procedures for the Town and Speedway to follow in order to prove compliance with the ordinance and how to enforce it.

HMMH expects to conduct the tasks outlined above in Phase 1 during the winter, prior to the start of the 2015 racing season.

Phase 2

Task 2.1 Noise Measurements During One Race Night

HMMH will work with the Committee to identify one race night during which HMMH staff will conduct field noise measurements next season. This may occur during a regular Friday night race or when one of the touring groups comes through.

We recommend that HMMH conduct noise measurements during at least one race night in order to establish baseline noise levels from the Speedway. Up to two unattended noise monitors will be placed at different locations around the Speedway for the duration of racing. One additional attended noise monitor will be used by HMMH staff to collect sound level data at additional locations around the Speedway as needed. We recommend that we coordinate with Lee Speedway management to select an appropriate location to collect noise data at a location near the race track, where the Speedway would be able and willing to conduct their own noise level monitoring as appropriate in the future. HMMH would then collect noise data at the community and trackside locations simultaneously during the race period. An important advantage of the simultaneous trackside measurements is to enable us to accurately measure only the sound propagation losses or “transfer function” from the track to each community location. The variability of the noise level emissions from different cars in different races will be subtracted out. This information would allow us to assist the Town in identifying appropriate trackside noise limits that the Speedway operator could monitor regularly, and use to avoid exceeding established limits at community property line locations. This approach is common at other race tracks.

The measured noise data will be analyzed by HMMH. The data will be compared to the existing racetrack ordinance for compliance purposes.

Task 2.2 Noise Measurement Report

HMMH will prepare a technical memorandum summarizing the results of the noise measurement program. The memorandum will include acoustical observations from the field based on our extensive experience conducting outdoor field noise measurement programs.

HMMH will compare the measured sound levels to the racetrack ordinance. The document will include a discussion of methodology that can be used by the Town for future races to measure compliance with and to enforce the noise ordinance.

If needed, HMMH will provide information on potential noise mitigation solutions for the Speedway. These recommendations would be general in nature only. Potential mitigation measures that have provided a benefit at other racetracks have included walls around the track that block the sound from the vehicles, berms outside the track, or closing the backs of grandstands.

HMMH would expect to complete the tasks in Phase 2 after the 2015 racing season has started. We would expect to work with the Committee to establish the best race night to conduct the noise measurements.

HMMH will be available to discuss the results of the noise measurements with the Committee via teleconference. HMMH staff can also attend project meetings and present findings as needed in Lee, NH for additional cost.

Additional noise measurements during more than one race night can be conducted for an additional cost.

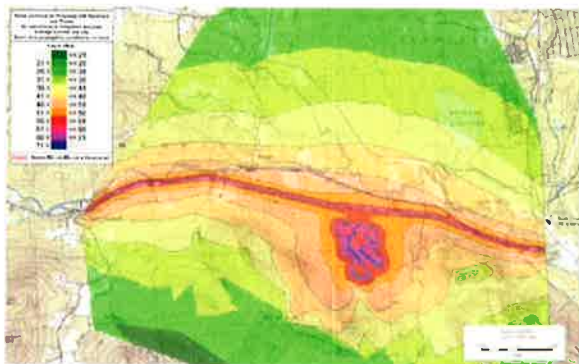
2 Relevant Experience

This section provides details on our relevant project experience. HMMH will provide client references for any of these or other projects upon request.

Club Motorsports Inc. Racetrack Noise Study, Tamworth, New Hampshire

HMMH conducted a noise analysis study for a proposed club racetrack facility in Tamworth, New Hampshire, in the foothills of the White Mountains. The Tamworth Foundation desired a balanced, neutral noise evaluation that would address both the concerns of citizens who feared that noise from the facility would adversely affect their town, as well as the interests of other Town citizens who desired the facility for the economic benefits it would bring. Since no noise or zoning regulations were applicable, HMMH's analysis focused on the expected average community reaction from the facility.

HMMH conducted measurements of racing vehicles during a club racing event at New Hampshire International Speedway in Loudon, NH to develop necessary noise emissions information for the study. Our analysis addressed busy days as well as average days, and recommended property-line noise limits that would allow the facility to operate with all but the noisiest modified vehicles, and yet minimize the impact and audibility of racing noise at the nearest homes and throughout the Town. The Tamworth selectmen and the town adopted the property-line noise limits.



Noise contour map generated by SoundPLAN® showing both the noise contours from the racetrack and from a nearby highway



Noise Measurements at New Hampshire International Speedway

“Chris Menge, of Harris Miller Miller & Hanson conducted a sound study on the potential community impact of a controversial race track proposed for Tamworth NH, and has helped analyze documents submitted by the developer. Chris was professional, knowledgeable, thorough, flexible, and innovative in his work and recommendations, and he has contributed significantly to our community's understanding of the proposed development.”

David Little, FOCUS Tamworth

Dragway and Speedway Noise Comparison, Concord, North Carolina

A professional racing facility with an oval track speedway used for NASCAR events recently expanded by adding a major drag strip track with large grandstands. Residents in the nearby community have been exposed to noise from Charlotte Motor Speedway races for many years, while the dragway racing noise is new and very different in character.

For the City of Concord, HMMH assessed whether the noise from the zMAX Dragway on its opening weekend was louder in the surrounding residential community than the noise from a NASCAR race at the speedway. The racetracks' owner had committed to no increased noise from the dragway.

HMMH conducted noise measurements during both drag strip and speedway races at multiple locations in the community. We used several metrics to compare the noise levels, including averages and maximums over a loud hour, peak period and full day of racing.



Inside the zMAX Dragway

“HMMH staff closely listened and observed the actual situation and made specific recommendations that led to a much better study process and eventually results. They took our information and formulated a plan and a process to work within our budget to deliver a well devised study that fully met the intended goals of the City. We found HMMH to be flexible as possible, easy to work with and considered them to be partners in the entire process. Sensitive to our needs and the public nature of the study results, we were engaged in the review of the draft report such that the final product became a full report that is both very useful and understandable while presenting the findings completely non-biased and in a data supported format.”

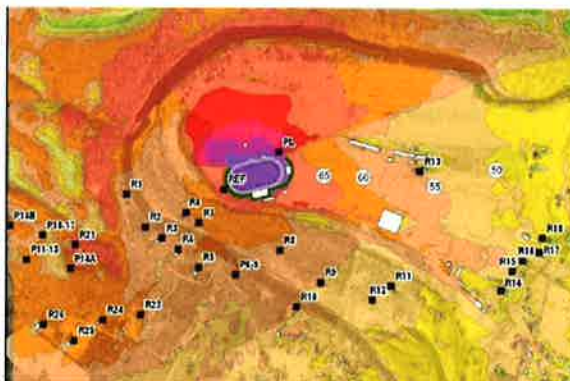
Jim Hipp, Asst. City Manager, City of Concord

Shenandoah Speedway Noise Analysis, Virginia

HMMH conducted a noise analysis study for a new racetrack facility in the foothills of the Appalachian Mountains. Page County desired a balanced, neutral noise evaluation that would address both the concerns of nearby citizens and the economic interests of the town and the track

owner. Since no noise or zoning regulations were applicable, HMMH’s analysis compared the noise from the racetrack to surveys of normal community reaction to comparable noise.

Modeling with SoundPLAN® allowed us to present results in a way easily understood by the public and County officials. Our analysis recommended reasonable noise abatement measures agreed to by the track owner that would significantly reduce noise in the community while allowing increased racing activity.



Racetrack noise and community reaction contour map generated by SoundPLAN®

Following implementation of the noise abatement measures, Page County contracted with HMMH to supply a portable noise monitoring system, provide training in its use to Page County staff, and evaluate and summarize the noise monitoring data collected.

HMMH’s report for Page County is available on the County’s Website at:
www.pagecounty.virginia.gov/files/agendas-minutes/Shenandoah%20Spdwy%20Noise%20Report%2030Mar06.pdf



Inside the Shenandoah Speedway

“Chris and the team from HMM&H did a first-rate job for Page County as we looked at sound propagation from a new race track near the town of Shenandoah. His experience was lauded by county citizens and he was able to gain the respect of local residents, the race track owner and county officials combined. The results of the study were exactly what we were looking for to help strike a balance between the rights of residents to enjoy the solitude of a very rural area and the need for a local business to thrive and foster the area’s tourism industry. HMM&H would be my first call when faced with a similar problem in the future.”

Mark Belton, Page County Administrator



Racetrack noise contour map generated by SoundPLAN®

Cooper Park (SPARC) Noise Analysis, Columbus, Ohio

HMMH conducted a noise analysis study for a proposed new racetrack facility in downtown Columbus, Ohio, at the site of the former Cooper Park baseball stadium. HMMH was selected by a committee that included the developer, Arshot Investments, the City of Columbus and area residents. HMMH’s analysis evaluated the sound levels from proposed racing activity in the context of the City of Columbus noise ordinance. We conducted noise measurements of the existing environment at multiple locations in the community surrounding the facility.

Modeling with SoundPLAN® allowed us to present results in a way easily understood by the public and City officials. Our analysis recommended noise barriers around the proposed track to significantly reduce noise in the community while allowing racing activity. HMMH also assisted in the development of a “Good Neighbor Agreement” that would involve sound level monitoring during racing events to ensure compliance with the City’s noise ordinance. The proposed facility renamed SPARC, was approved unanimously by the Columbus City Council, and has begun construction.

3 Project Team Qualifications

Harris Miller Miller & Hanson Inc. (HMMH) is a noise and vibration consulting firm founded in 1981 specializing in analysis and control of environmental noise and vibration. HMMH provides a full range of acoustical services for highways, rail and transit systems, airports, entertainment/recreational facilities, construction projects, and industrial sites. Our main office is located in Burlington, Massachusetts, and we have branch offices in Herndon, Virginia and Sacramento, California. HMMH has in-house facilities for computer analysis and production, maintains a complete reference library of technical books, reports and journals, and owns a full assortment of noise and vibration measurement and analysis instrumentation.

Taken as a whole, HMMH offers unsurpassed qualifications. The success of the project, however, will result from the contributions and utilization of highly-qualified individuals. We have carefully considered your project needs and are proposing key staff with the direct project experience, technical knowledge, project management skills, and available work capacity to provide a successful, on-schedule project.

Tim Johnson will serve as HMMH's project manager. Chris Menge will serve as Senior Technical Advisor.

Timothy Johnson, Senior Consultant

Tim Johnson joined HMMH in 2005. He provides project management and acoustical measurement and analysis support in the transportation and entertainment sectors. Mr. Johnson brings experience performing a variety of noise and vibration measurement techniques and has conducted field noise level measurements on over 60 projects. Mr. Johnson is an experienced user of universal noise modeling software SoundPLAN®, the Federal Highway Administration's (FHWA) Traffic Noise Model (TNM), as well as drafting software AutoCAD and ArcGIS.

Prior to joining HMMH, Mr. Johnson worked as an audiovisual consultant where he worked with architectural firms and other consulting firms to

design and specify audio and video systems for professional and performance spaces throughout the country.

Education

- B.S., Mechanical Engineering with Acoustics Concentration, University of Hartford, West Hartford, CT, 2002

Affiliations

- Member, Institute of Noise Control Engineering, 2006-present
- Member, Greater Boston Chapter of the Acoustical Society of America, 2006-present

Representative Publications and Presentations

- "Is drag racing louder than a NASCAR speedway?" proceedings of Inter-Noise 2009, Congress on Noise Control Engineering, Ottawa, ON (August 2009).

Representative Projects

Race Track Projects

- Monticello Motor Club Noise Study, Monticello, NY
- Cooper Stadium (SPARC) Race Track Noise Study, Columbus, OH
- Baltimore Grand Prix Noise Study, Baltimore, MD
- zMAX Dragway Noise Study, Concord, NC
- Shenandoah Speedway Noise Study and Abatement Analysis, Shenandoah, VA
- California Motocross Park Noise Study for Permitting, Placer County, CA

Industrial Projects

- Solar Array Tree Removal Noise Assessment, Mattapoisett, MA
- Weymouth High School Wind Turbine Feasibility Noise Study, Weymouth, MA
- Calcium Carbonate Plant Noise Control, Florence, VT
- Toner Recycling Facility Noise Control, Gloucester, VA

Highway Projects

- MassDOT Rt-18 Environmental Assessment and Noise Barrier Design, Weymouth, MA
- NCHRP 25-34, “Supplemental Guidance on the Application of FHWA’s Traffic Noise Model (TNM),” Research and Guidance Document Development
- VDOT I-95/395 HOT Lanes, VA
- NYSTA Noise Barrier Design, Bronx/New Rochelle, NY

Rail and Transit Projects

- SFRTA Northern Layover/Maintenance Facility Project, West Palm Beach, FL
- Central Broward Transit Study, Broward County, FL
- Bottineau Transitway LRT Corridor Noise and Vibration Impact Assessment, Minneapolis, MN
- Polk Rail Study, Polk County, FL
- DART Cotton Belt Corridor, Dallas, TX
- Fort Worth Transportation Authority TEX Rail EIS Noise and Vibration Impact Statement, TX
- Brunswick Layover Facility Final Design Acoustical Analysis, Brunswick, ME
- WMATA West Falls Church Rail Yard Curve Squeal Cover Box, West Falls Church, VA
- DART Oak Cliff Streetcar, Dallas, TX
- Springfield Rail Improvements Project, Springfield, IL
- Chicago Metra UP North Line Improvements Noise & Vibration Study, Chicago, IL
- El Paso Streetcar, El Paso, TX
- Northern Lights Express Passenger Rail, Minneapolis-Duluth, MN
- California High Speed Rail Merced-Fresno Corridor, California
- Houston Metro Southeast Corridor, Houston, TX
- UTA Mid-Jordan Transit Corridor Environmental Impact Statement, Salt Lake City, UT
- Denver RTD North Metro Transit Corridor, Denver, CO
- Ground-Borne Noise Study for the Hong Kong Cultural Center, Hong Kong SAR

Aviation Projects

- General Mitchell International Airport Noise Barrier Study, Milwaukee, WI
- Los Angeles International Airport Ground Runup Enclosure EA, Los Angeles, CA
- Houston Intercontinental Airport Residential Sound Insulation Program, Houston, TX
- 13th Avenue Noise Wall/Berm Design Study, Port Columbus International, Columbus, OH
- Overlook Hospital Helipad, Summit, NJ
- Expansion of Apron at NetJets Facility, Port Columbus International, Columbus, OH

Christopher W. Menge, Senior Vice President and Principal Consultant

Since 1972, Mr. Menge’s career has focused on the analysis and control of noise from a variety of industrial, transportation and entertainment sources. His most extensive experience encompasses highway noise prediction and barrier design, outdoor entertainment sources including race tracks, theme parks and amphitheatres, and ground-based noise sources at national parks, airports and industrial sites.

For the Federal Highway Administration, Mr. Menge developed the acoustical algorithms and finalized the Traffic Noise Model (TNM), FHWA’s next-generation highway noise prediction software. Mr. Menge has also extended the TNM’s propagation algorithms for use with other ground-based noise sources in theme parks, airports and national parks.

Education

- B.S., Physics, University of New Hampshire, 1972.
- Graduate study, Mechanical Engineering, Massachusetts Institute of Technology, 1974, and Northeastern University, 1975-1977.

Affiliations

- Board of Directors, Institute of Noise Control Engineering (INCE)
- Member, Acoustical Society of America

Representative Projects

Race Tracks

- Warren Motocross Noise Study, Warren, MA
- Cooper Stadium (SPARC) Race Track Noise Study, Columbus, OH
- New Jersey Motorsports Park Noise Study Evaluation, Millville, NJ
- Baltimore Grand Prix Noise Study, Baltimore, MD
- zMAX Dragway Noise Study, Concord, NC
- Wilzig Motorcycle Race Track Noise Study Evaluation, Taghkanic, NY
- Shenandoah Speedway Noise Study and Abatement Analysis, Shenandoah, VA
- California Motocross Park Noise Study for Permitting, Placer County, CA
- Club Race Track Noise Study and Ordinance Recommendations, Tamworth, NH
- Racetrack Noise Intrusion and Soundscape Analysis, Appalachian Trail, Eldred, PA

Industrial

- Sheffield Wind Farm Noise Analysis, UPC Wind Management, Sheffield, VT
- High-pressure Venting Noise Abatement, Philip Morris Company, Cabarrus, NC
- Air Conditioning Noise Litigation, Hingham, MA
- Truck-mounted Refrigeration Unit Noise Abatement, Martin-Brower Co., Ayer, MA

Entertainment

- Universal Studios Islands of Adventure - Park-wide Acoustical Modeling and Noise Abatement Design and Implementation, Orlando, FL
- Black Dog Amphitheater - Sound Propagation and Background Measurement and Analysis, Bloomington, MN

National Parks

- Winter Use Plan EIS on Over-snow Vehicle Noise – Measurement, Propagation, Noise and Audibility Prediction, Yellowstone and Grand Teton National Parks, WY

- Watercraft Noise Studies, Glen Canyon National Recreation Area, AZ & UT
- Development of National Park Soundscape Management Plan, NPS, USDOJ

Highway Noise Barrier Studies

- Development and Implementation of the Traffic Noise Model (TNM) Acoustical Algorithms, Federal Highway Administration.
- I-495 Capital Beltway EIS Noise Analysis and Barrier Design, Fairfax Co., VA
- I-95 / I-395 / I-495 Springfield Interchange Noise Barrier Designs, Springfield, VA

Representative Publications and Presentations

- “SPARC (Cooper Park) Race Track Noise Analysis and Abatement,” proceedings of Inter-Noise 2012, Congress on Noise Control Engineering, New York, NY (August 2012).
- “Noise Study for a Very Quiet Roller Coaster,” proceedings of Noise-Con 2011, Congress on Noise Control Engineering, Portland, OR (July 2011).
- “Baltimore Grand Prix Race Noise Study,” Summer meeting of the Transportation Research Board ADC40 Committee on Transportation-related Noise and Vibration, Denver, CO (July 2010).
- “Is drag racing louder than a NASCAR speedway?,” proceedings of Inter-Noise 2009, Congress on Noise Control Engineering, Ottawa, ON (August 2009).
- “Effective and Cooperative Noise Abatement Implementation at a New Racetrack,” proceedings of Noise-Con 2008, Congress on Noise Control Engineering, Dearborn, MI, July 28-30, 2008.
- “Assessment of Community Reaction to Proposed Club Racetrack,” paper no. 3PNCa3, proceedings of Noise-con 2005, Congress on Noise Control Engineering, Minneapolis, MN, October 17-21, 2005.
- Noise Data from Snowmobile Pass-bys: The Significance of Frequency Content,” Society of Automotive Engineers paper no. 2002-01-2765, SAE International Publication SP-1726, 2002.

4 Project Schedule

The tasks outlined in Phase 1 are estimated to be completed by March 2015, prior to the start of the 2015 racing season.

The tasks outlined in Phase 2 are estimated to be completed by June 2015, as the noise measurement program will be planned during one of the race nights early in the 2015 racing season. Weather conditions may have an effect on the scheduling of the noise measurements, as rain and wind can affect measured sound levels. In the event that weather is a factor, HMMH will work with the Committee to find a solution. The table below presents our estimated project schedule.

Milestone	Completion from Project Start Date
Critique Racetrack Ordinance	2 weeks
Preliminary Noise Analysis	3 weeks
Preliminary Noise Report	2 weeks
Noise Measurements and Data Analysis	3 weeks
Noise Measurement Report	3 weeks

In addition, HMMH would be available to present the report to governing bodies or interested groups within two to three weeks of receiving notice of the date of the presentation for an additional cost.

5 Costs

Harris Miller Miller & Hanson Inc. proposes to conduct the study described above on a Time and Materials basis for a price of \$14,473. The form of contract will be negotiated with the Town of Lee upon award of the project. The prices given above are valid for a period of ninety (90) days from November 17, 2014.

If there are any questions or comments regarding any of the content of assumptions in this proposal, please do not hesitate to contact us so that we can make any needed clarifications in an effort to satisfy the needs of the Ad Hoc Racetrack Committee.

Task Description	Labor		Direct Costs	Total
	Hours	Cost		
Task 1.1 Critique Racetrack Ordinance	16	\$3,120	\$0	\$3,120
Task 1.2 Preliminary Noise Analysis	14	\$2,210	\$50	\$2,260
Task 1.3 Preliminary Noise Report	13	\$2,260	\$0	\$2,260
Phase 1 Subtotal	43	\$7,590	\$50	\$7,640
Task 2.1 Noise Measurements During One Race Night	20	\$2,860	\$493	\$3,353
Task 2.2 Noise Measurement Report	23	\$3,480	\$0	\$3,480
Phase 2 Subtotal	43	\$6,340	\$493	\$6,833
Total	86	\$13,930	\$543	\$14,473

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TOWN OF LEE, NH
SELECTMAN'S OFFICE

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CHRISTOPHER A. STORCH

EMERITUS PRINCIPAL

WILLIAM J. CAVANAUGH, *FASA, FINCE*

November 17, 2014

Ms. Julie Glover
Town Administrator
7 Mast Road
Lee, New Hampshire 03861

Subject: Authorization of Services

Dear Ms. Julie Glover,

Services for:

Auto Racing Noise Study, Lee, New Hampshire

Discussion:

The Town of Lee, New Hampshire presently has one automobile oval track racing facility, Lee Speedway, which has acted in good faith to control sound produced during race events and transmitted to nearby residential areas. The Town has issued a request for proposals (RFP) dated October 13, 2014 as modified by Addendum 1 dated October 20, 2014. The October addendum included the current Lee ordinance on auto race facilities.

The RFP asks respondents to address the following questions divided into two phases. The CTA response follows each inquiry.

Phase I

Is the Ordinance enforceable in its current form?

With the appropriate expertise the ordinance sound level limit can be enforced; however, enforcing this limit would not sufficiently protect the residential community now being impacted. The present ordinance appears to follow the recommendations of SAE (Society of Automotive Engineers) J1287 for testing of off-highway motorcycle exhaust sound. The standard requires that motorcycle exhaust sound when measured at 0.5 m while idling at 2000 rpm under no-load not to exceed 96 dBA. We note that there are other SAE standards more appropriate for automobiles, including race cars. In any event, these do not ensure acceptable sound levels at nearby residential locations.

If not, what changes should be made to the Ordinance to make it effective and enforceable?

An acceptable noise limit should be established for race car sound at nearby residential property.

Does the current ordinance reflect best practices and standards for sound monitoring and control?

No, not with respect to neighborhood noise annoyance. This is not to say that the standard should be changed, but rather a limit for speedway sound should be established at nearest residences.

What guidance would you provide with respect to the topics provided in Attachment B?

The provisions in the Attachment B noise ordinance are good, but insufficient for protecting nearest residential areas. For this, a limit at nearest residences is required, plus a restriction on additional residential development close to the raceway.

What other factors should the Committee and the Board consider when determining how best to effectively and defensibly monitor and enforce the Ordinance?

The process for using measurements to establish limits on sound follows in this order:

1. Measure background sound in impacted neighborhoods without racing at the speedway.
2. Determine a margin that can be added to the background sound level in order to establish a fixed limit or limits for speedway sound at nearest residences.
3. While racing is ongoing, measure sound levels at nearest residences.
4. The difference between the sound level limit at nearest residences and sound levels with racing is the amount that speedway sound must be reduced.
5. Develop and implement methods for reducing speedway sound transmission to the community. This could involve sound barriers and/or speedway policies requiring more effective mufflers on race vehicles, among other controls.
6. If the method of control involves lowering the amount of sound allowed using SAE test methods, then the speedway owner should continue to enforce a policy requiring installation of mufflers on vehicles racing in the facility, that result in compliance with the sound limit to be determined.
7. Item 6 constitutes the facility policing its race vehicles. This item provides for the Town to police the sound levels by requiring the speedway to install a sound monitoring system in the speedway. The sound monitoring system must be calibrated to determine the level at the speedway monitor that corresponds to the limit at residences.

Phase II

Provide specific guidance as to the logistics of noise monitoring, including location. Given your experience and the information provided, who should be conducting monitoring activities (e.g., town officials/police, independent outside party, etc.)?

Background sound monitoring should be conducted by an outside contractor (acoustical consultant qualified to conduct these measurements). The required speedway noise reduction would need to be achieved through a number of controls, among them might be construction of noise barriers and/or more effective mufflers and establishment of sound level limits for race vehicles. Policing of sound levels in the speedway can be conducted jointly by the speedway and the Town, with acoustical consulting available from time-to-time as the Town and the speedway might deem helpful.

How long would it take for you to collect sufficient baseline data to be able to commence monitoring for enforcement purposes?

Data collection would take not more than two weeks as long as racing occurs only once a week.

Equipment, frequency and related topics.

Cavanaugh Tocci Associates, Inc. has all of the equipment needed for all measurements in connection with this study. It is part of this procurement to determine whether a speedway sound monitoring system is required. If so, a subsequent phase of effort not included in this proposal to work with the Town and the speedway to design such a system would be proposed.

Tasks:

Task 1. Sound Monitoring of Background Sound.

Visit site to install monitors to operate for two weeks. It may be advantageous to perform these measurements prior to race season and prior to the appearance of insect sound in the environment.

Task 2. Measure Speedway Sound.

Install sound monitors at up to four locations (locations to be determined) to monitor sound during three race events.

Task 3. Recommended Speedway Noise Limit.

Determine limit on raceway sound using data collected under tasks 1 and 2.

Task 4. Report.

Prepare report summarizing all measurements and recommendations.

Conditions:

Town of Lee, NH to provide legal access to all properties where sound measurements and monitoring will be conducted.

Exclusions:

Our services do not include appearance at public meetings or visits to Lee, NH that are not part of the measurements to be conducted. No services are to be provided after the issuance of our report unless authorized.

Estimate Cost of Services

Task 1. Sound Monitoring of Background Sound	\$4,500.00
Task 2. Measure Speedway Sound	\$6,200.00
Task 3. Recommended Speedway Noise Limit	\$1,600.00
Task 4. Report	\$4,300.00
PROJECT TOTAL	\$16,600.00

Billings for services are as described in the attached fee schedule. Please approve by signature below or by separate written authorization. If we can provide any further information, please do not hesitate to contact us. Thank you.

Yours sincerely,
CAVANAUGH TOCCI ASSOCIATES, INC.

Approved:
Town of Lee, New Hampshire



Gregory C. Tocci, Sr. *Principal Consultant*

978-639-4102 (d)
508-395-3945 (c)
gtocci@cavtocci.com

Signature

Title

Date

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Speedway\Lee Speedway P-1b.Docx

Sound Level Study Lee Speedway

Town of Lee, New Hampshire

Consulting Arrangements:

Standard Schedule of Charges

For all consulting assignments, invoiced costs for services are based on professional staff time spent and out-of-pocket expenses incurred during the course of the project. Professional staff time is charged on an hourly basis in accordance with the following rates. These rates include all indirect labor and other firm overhead costs:

Senior Principal Consultants	\$230 per hour
Principal Consultants	\$150 - \$200 per hour
Senior Consultants	\$140 - \$165 per hour
Staff Consultants	\$115 - \$130 per hour
Technical Assistants	\$50 - \$100 per hour

Professional staff time for travel to and from field conferences, project site measurements, and inspection visits are billed on a portal-to-portal basis from our offices in Sudbury, Massachusetts.

Direct project expenses are billed at cost and include all costs incurred for measurement instrumentation, computer modeling software use, and other significant charges directly associated with the consulting assignment. Expenses are billed at direct cost with no markup.

Invoices for services are billed on a monthly basis and are due net 30.

Effective 01 January 2014

Consulting Services in Acoustics

Cavanaugh Tocci Associates, Inc. was founded in 1975 to serve the growing need for technical expertise and consulting services in architectural, industrial, and environmental acoustics. The consulting staff holds advanced degrees in architecture, acoustics, and mechanical engineering, and is supported by a full complement of measurement and analysis instrumentation. The diverse experience of the staff members allows us to develop creative solutions to problems by using an interdisciplinary approach.

The service objective is to provide practical, cost-effective, and timely consulting advice on all types of sound and vibration problems. Cavanaugh Tocci Associates, Inc. has completed thousands of consulting assignments ranging from brief consultations of a few hours to extended projects spanning several years.

Most projects include one or more of the following categories of acoustical study:

- Mechanical System Noise and Vibration Control
- Speech Privacy – Open Plan and Enclosed Offices
- Auditorium, Theatre, Studio, and Concert Hall Acoustics
- Sound System Design, Specification and Evaluation
- Sound Isolation – Residential and Commercial
- Workplace Noise Exposure
- Environmental Noise Impact Assessment
- Site Evaluation for Residential and Commercial Buildings
- Construction Noise
- Expert Testimony for Legal Proceedings and Public Hearings
- Training Seminars and Manuals
- Technical Material for Product Literature

Community Noise

Selected Project List

As development density increases, new buildings, highways, power plants, and factories must be located near or within existing communities. These are often perceived as an intrusion to an existing neighborhood acoustical environment, especially where the community anticipates no direct benefit from the project. Cavanaugh Tocci Associates, Inc. has served clients who were noise producers as well as communities who were noise recipients. Our consulting task is to analyze the noise source and receptors, suggest appropriate criteria for the situation, and review existing applicable local codes and standards in assessing the noise impact. When necessary, we recommend suitable noise control measures to comply with local regulations and avoid complaints.

- **Evergreen Solar**
Devens, MA

Noise from outdoor cooling equipment at a large solar panel manufacturing plant was objectionable to neighbors 1000 ft away in a rural neighborhood. The new (2009) Evergreen Solar plant was under threat of being shut down due to the noise complaints. This complex project involved extensive monitoring and analysis over several months, coordination with acoustical consultants for the complainants, and participation at meetings of the Devens Enterprise Commission. The Evergreen facility was creating noise, but was also being blamed for other ambient sounds including construction on adjacent parcels and operations on a nearby rail line. The resolution involved extensive noise controls for large cooling towers and other process equipment located behind the building, along with post completion monitoring to document compliance.

- **Federal Express Ground Facilities**
Various locations in U.S.

The growth in internet commerce has resulted in the need for more distribution facilities. Where the communities required a noise study, CTA has provided noise analysis to help the developers obtain permits for many of these new facilities. This includes noise monitoring at the proposed site to understand existing conditions; developing criteria for noise control design; computer modeling to estimate noise levels at receptors near the site, and design of noise barriers or other controls to meet local noise regulations and avoid complaints.

- **Groton Wind Energy**
Plymouth, MA

CTA provided expert testimony for the New Hampshire Office of the Attorney General in NH Public Utilities Commission hearings concerning approval of the proposed Groton Wind Energy facility. Work included reviewing noise studies submitted by the proponent, additional sound measurements conducted by CTA, a technical literature review on wind farm sound, development of alternative noise criteria for the project, preparation of written testimony, and appearance before the NH PUC.

- **Great Woods Center for the Performing Arts**
Mansfield, MA

Sound from outdoor concerts is a concern to nearby residential communities. Studies included facility and community sound level monitoring, development of concert sound monitoring/management system, facility acoustical controls, presentations at community meetings with town officials and state environmental officials.

- **Intel**
Hudson, MA

Sound produced by outdoor cooling equipment, and by a nitrogen farm required a reduction in sound levels to meet local requirements. In addition to sound measurements, CTA provided guidance on cooling tower maintenance and modification to reduce noise, and a noise barrier and enclosure concept design for N₂ compressor units.

- **Olmsted Hill Cistern Removal**
Brookline, MA

A large underground reservoir atop Olmsted Hill, in Brookline was removed and the land redeveloped as a park with a small residential subdivision. The demolition and construction work was significant, including demolition of the cistern roof, walls, and column supports, and backfilling and grading for construction of a small residential subdivision. Existing Multi-family residential buildings directly abutted the site requiring implementation of construction noise control of the construction processes. CTA worked with the developer and construction manager, providing analysis of construction noise and vibration, noise control recommendations, and presentations to the Town of Brookline. In addition, as required by the town, CTA conducted continuous construction sound monitoring to assess compliance with construction sound limits imposed by the Town.

Highway Noise

Selected Project List

Cavanaugh Tocci Associates, Inc. has been involved in a wide variety of studies associated with highway noise. Our activities included noise abatement studies for private residences on stretches of highways, service buildings, schools, etc., highway environmental impact statements, and legal testimony.

- **Route 57 Relocation DEIR and FEIR, Agawam, MA**
Storch Engineers, Boston, MA
- **Route 138 Traffic Noise Abatement Study, Boston Neck Road (Route 1A) to Jamestown Bridge, North Kingston, RI**
RA Cataldo, Pawtucket, RI
- **Route 146/Breakneck Hill Road Interchange, Lincoln, RI**
RA Cataldo, Pawtucket, RI
- **Massachusetts Turnpike Toll Plaza Noise Impact Analysis**
Town of Southborough, Southborough, MA
- **Avondale Development Highway Noise Measurement, Analysis, and Legal Testimony**
Davis and Costa, Attorneys at Law, Blue Bell, PA
- **Massachusetts Turnpike Barrier, Measurement, Analysis, and Legal Testimony**
Wayland Turnpike Barrier Group, Wayland, MA

Environmental acoustics is the study of sound propagation and absorption in the exterior environment. These projects typically involve predicting or measuring noise at specific locations and providing objective criteria for evaluating the noise as well as recommendations for noise abatement. The variables that affect outdoor sound propagation include site topography, nearby structures, vegetation and typical outdoor temperature and humidity.

Environmental acoustics is also related to sound isolation for interior spaces, as existing exterior sound levels and the type of construction of the building envelope determine the degree to which outdoor noise intrudes into interior spaces. Review of exterior noise is integral to several project types including residential construction (multi-unit and single-family), healthcare facilities, educational facilities, and worship spaces. Environmental acoustics includes the analysis of several unique types of sound sources and modes of sound generation:

- Line sources of sound such as highways and railroad lines
- Aircraft noise
- Construction sites with nearby sensitive sound receptors (residential neighborhoods, hospitals, churches, libraries, schools, etc.)
- Industrial complexes including power generation facilities, mining facilities, and water treatment facilities
- Outdoor rooftop equipment (air-cooled & water-cooled cooling towers, chillers, air handling units)
- Cellular tower installations



Environmental
Acoustics

Outdoor Concert Facilities

Selected Project List

- **Great Woods Center for the Performing Arts, Mansfield, MA**
John Drew Company, Boston, MA
Early site studies (1985), environmental impact assessments, design of sound control structures and constructions, design and specification of moveable orchestral shell, design and specification of house sound systems for pavilion and lawn, design and specification of concert sound monitoring/management system, community presentations, testimony at annual site permitting hearings. Design studies and preparation of environmental impact studies for expansion of facility seating capability (1991).
- **Palm Beach Pavilion, West Palm Beach, FL**
John Drew Company, Boston, MA
Basic site studies (1986), environmental impact assessments, design recommendations for sound control structures and constructions, design and specification house sound systems for pavilion and lawn, design and specification of moveable orchestral shell, community public hearing presentation.
- **Later Desert Sky Pavilion, Phoenix, AZ**
Jaffe Acoustics, Inc., Norwalk, CT
Basic site studies (1985), environmental impact assessments, design recommendations for sound control structures and constructions, design and specification of concert sound management system, public meeting presentations. Project realized on alternate site using acoustical criteria developed on basis of community concerns for the initial site.
- **Capital Music Center, Beulah Park, Grove City, OH**
City of Grove City, OH
Community sound measurements and assessment of concert sound impacts, design recommendations for alternate concert stage seating arrangements, sound control structures and concert sound management system, public meeting presentations.
- **Walnut Creek Amphitheater, Raleigh, NC**
City of Raleigh, NC (with Stewart Acoustical Consultants)
Community sound measurements and concert sound environmental assessment, recommended concert sound controls and management system.
- **Riverfront Performing Arts Amphitheater, St. Paul, MN**
City of St. Paul, MN
Community sound measurements and concert sound environmental assessment, design recommendations for concert sound controls and management system, review of two project developer proposals, presentation at city planning board hearing.
- **Polaris Amphitheater, Columbus, OH**
Basic facility site studies (1993), environmental sound impact studies, design recommendations for sound control structures and constructions, design and specification of sound monitoring/management system, presentations at city board hearings, review of initial concert season acoustical data and recommendations for community sound abatement improvements.

Education:

Massachusetts Institute of Technology, MS 1973
Tufts University, BS 1970

Professional Affiliations:

Fellow, Acoustical Society of America
Past President, National Council of Acoustical Consultants
Past President and Board Certified Member, Institute of Noise Control Engineering
Past Chairman, Greater Boston Chapter of the Acoustical Society of America
Member, American Society for Testing and Materials
Co-Chair, ANSI S12 WG44 Speech Privacy

Registration:

Professional Engineer in Massachusetts and Rhode Island

Experience:

As President and founding partner of CAVANAUGH TOCCI ASSOCIATES, Inc., Mr. Tocci is responsible for both its technical and business activities. Among types of projects managed by Mr. Tocci are speech privacy and intelligibility studies; mechanical system noise and vibration control studies; environmental noise impact assessments for residential, commercial, and industrial developments; engineering noise abatement programs; and many types of special noise and vibration studies for building and manufacturing industries.

Mr. Tocci is active in several professional organizations, has served as an invited lecturer at the Harvard School of Public Health and Cornell University, and is author of the *Solutia Acoustical Glazing Design Guide* and papers published in various magazines and proceedings. Mr. Tocci has also lectured in several environmental and industrial seminar programs.

Representative projects for which Mr. Tocci has consulted include:

- **Fidelity Investments, 245 Summer Street, Boston, MA**
Design of executive conference center and sound and vibration isolation of five 2 MW emergency generators immediately above large auditorium/conference room.
- **Children's Hospital Clinical Building, Boston, MA**
Acoustical design of a large hospital building with patient rooms, ORs, laboratories, and vibration sensitive instrumentation including one stationary MRI and the first gantry mounted OR MRI in the U.S.
- **500 Atlantic Avenue, Boston, MA**
Building vibration isolation design, HVAC and architectural sound control of a premier hotel (Intercontinental Hotel) and condominium residence constructed on an existing CA/T vent building.
- **Federal Express Ground, Moon Township, PA**
Evaluated the suitability of 20+ sites for FedEx Ground parcel handling terminals throughout the U.S. Work has involved environmental sound monitoring, criteria development, sound barrier design, site orientation to control sound, and presentation to town boards.

Brion G. Koning
Senior Consultant

Education:

Embry Riddle Aeronautical University
University of Massachusetts
Framingham State College

Faculty Positions:

New England School of Art and Design
Instructor, Architectural and Environmental Acoustics

Experience:

1979 – present Cavanaugh Tocci Associates, Inc., Sudbury, Massachusetts

Mr. Koning is a Senior Consultant with CAVANAUGH TOCCI ASSOCIATES, INC. He is responsible for data acquisition, analysis, and noise and vibration control recommendations. Typical project responsibilities include measurement and analysis of environmental, industrial, and architectural noise and vibration data. These activities have included the development of acoustical instrumentation systems and measurement procedures.

Mr. Koning conducts acoustical methodology and instrumentation training sessions for a variety of clients. He serves as a liaison between client and community on a number of environmental and construction noise projects, assuring favorable and informed relations between contractor, agencies, and community.

Representative projects with which Mr. Koning has been involved include:

- **Brooklyn Naval Shipyard, Brooklyn, NY**
Resource recovery environmental impact statement.
- **MBTA Track Rehabilitation Noise Program**
Railbed noise and vibration design analysis.
- **U.S. Army Construction Engineering Research Laboratory**
Rotary wing aircraft noise data collection manual.
- **Union Hospital Addition, Lynn, MA**
Building equipment noise and vibration studies.

November 13, 2014

Lee Select Board
7 Mast Road
Lee, NH 03861

Subject: Acoustical Consulting Services
Auto Racing Noise Study
Track Noise Management Plan
Acentech Proposal No. 625493

References: Town of Lee RFP for Auto Racing Noise Study
Addendum No. 1 – Issue Date 20 October 2014
Lee's Racetrack Ordinance
Select Board's Charge to the Ad Hoc Racetrack Committee
Pre-Proposal meeting at Speedway on 10 November 2104

Attention: Lee Select Board and Racetrack Committee

Thank you for the opportunity to submit Acentech's proposal for acoustical consulting services related to performing an Auto Racing Noise Study with the Town of Lee Ad Hoc Racetrack Committee. We propose to provide professional assistance to the Committee to develop guidance for the Board directed at how to monitor and enforce Speedway noise limits in ways that are defensible, reasonable, and fair to the interested parties.

We propose to provide:

A detailed Track Noise Management Plan documenting clearly and concisely specific responsibilities and obligations of the Speedway operator and Town of Lee officials.

A noise ordinance that is reasonable, achievable, and enforceable.

Real-time monitoring to professionally measure and document noise levels continuously during all racing events.

We have received the above referenced Addendum No. 1 and look forward to attending a meeting to present our proposal.

Ten copies of Acentech's proposal are submitted in a sealed envelope for members of the Select Board and the Racetrack Committee.

We propose to provide our services on a time and materials basis in accordance with the attached copy of Acentech's standard Terms and Conditions or other mutually acceptable arrangement. If this proposal is acceptable to you, you may sign a copy of this letter in the acceptance block provided below and return it to me as your authorization for the work.

Please let me know if you have any questions or would like us to revise our proposal to suit your needs better. My direct-dial phone number is 617.499.8034.

Sincerely yours,



Eric W. Wood
Principal
Acentech Incorporated

Enclosures:

Acentech's Proposal 625493
Acentech Terms and Conditions

ACCEPTED BY:
Town of Lee, NH.

Name: _____

Title: _____

Date: _____

ACENTECH TERMS AND CONDITIONS

Acentech Incorporated (Acentech) will perform the work ("Services") specified in the Scope of Services contained in the Proposal to which these Terms and Conditions are attached, in accordance with the following provisions. Unless a superseding agreement with alternative terms and conditions is mutually agreed to, these Terms and Conditions will be in effect from the time that Acentech receives notice to proceed from the Client.

I. SERVICES TO BE PROVIDED; STANDARD OF CARE

Acentech and its Subconsultants will perform the Services with the degree of care and skill ordinarily exercised by similarly situated consultants. Client agrees that the Services will be provided without warranty, express or implied, except as may be stated explicitly in the Proposal. Acentech will exercise usual and customary professional care in its efforts to comply with applicable codes, regulations, laws, rules, ordinances and other such requirements in effect as of the date of the acceptance of the Proposal.

II. COMPENSATION AND PAYMENT

Client will compensate Acentech on a time-and-materials or fixed price basis as specified in Acentech's Proposal.

A. Time and Materials

1. Best Efforts: Acentech will use reasonable efforts to complete the Scope of Services within the estimated fees specified in the Proposal. Acentech will not provide the proposed Services beyond the estimated fee without the Client's authorization for additional funds.
2. Professional Staff: Acentech will furnish the services of its employees at its standard hourly rates at the time Services are provided.
3. Other Services and Costs: Expenses incurred by Acentech required for the completion of the Scope of Services, including travel, meals, supplies and professional services obtained from third parties are reimbursable at cost plus a 10% administrative handling charge. Other services provided, including instrumentation usage and reproductions, will be billed at Acentech's standard rates. All applicable sales tax, customs and Project-specific insurance premiums will be billed at cost.

B. Fixed Price

1. Services Specified: Acentech will deliver the services specified in the Scope of Services on a fixed price basis billed on a percentage of work completed unless an alternative billing schedule has been accepted. Any Project or phase fully billed at 100% will be considered complete unless otherwise agreed.
4. Reimbursable Expenses: Unless specifically included in the fixed fee, reimbursable expenses including travel, meals, supplies and other professional services obtained from third parties are reimbursable at cost plus a 10% administrative handling charge.

C. Changes in Scope of Services / Additional Services

5. Any services authorized by Client not explicitly included in the Scope of Services within the Acentech Proposal will be considered Additional Services and will be billed on a time and materials basis unless a contract modification or change order has been agreed to by Acentech and Client.
6. Additional Services result from, but are not limited to: a) changes in the Project size, budget or programmed use; b) the Project schedule is significantly delayed; c) changes from the Client requiring redesign of previously completed work; d) Acentech's design recommendations are not reviewed in a timely manner resulting in additional work; e) any rework required for the Documents or additional services due to design changes; and, f) any other delays beyond Acentech's control.
7. Document modifications or additional construction administration services requested by Client due to issues beyond Acentech's control will be considered additional services and will be billed on a time and materials basis as outlined in paragraph B.1.

D. Payments

Invoices are due upon receipt. Client shall be responsible to Acentech for payments, and such obligation shall not be conditioned upon Client's receipt of payments from the Owner or any other party.

III. INSTRUMENTS OF SERVICE / OWNERSHIP OF DOCUMENTS

- A. Acentech shall be deemed the author and owner of all Instruments of Service, including drawings, reports and specifications, and shall retain all common law, statutory and other rights, including copyrights in such Instruments of Service, subject only to a limited, non-exclusive, non-transferable license to use the Instruments of Service solely in connection with the Project. Submission or distribution of Instruments of Service to meet official regulatory requirements or for similar purposes in connection with the Project is not to be construed as publication.
- B. The Client agrees not to use or distribute the Instruments of Services for future additions or alterations to this Project or any other project(s), and agrees not to make changes or modifications to such Instruments, without Acentech's express written consent. Acentech reserves the right to seek remedies for unauthorized use of Acentech documents.

- C. Unauthorized use or modification of the Documents by the Client will be at the Client's sole risk and without liability to Acentech or its Subconsultants. Client shall defend, indemnify, and hold harmless Acentech from and against any and all losses, claims, demands, liabilities, suits, actions, damages and expenses (including reasonable attorney's fees) arising out of or resulting from such unauthorized use or modification, including any expenses incurred by Acentech to enforce its rights hereunder.

IV. PUBLICITY

Acentech may publish its role in the Project unless otherwise directed by the Client.

V. INSURANCE AND LIMITATIONS OF LIABILITY

- A. Acentech will furnish appropriate insurance certificates for general and professional liability upon request.
- B. Acentech and the Client waive consequential damages, including but not limited to, damages for loss of profits, loss of revenue and loss of business, loss of business opportunities, for claims, disputes or other matters in question arising out of or relating to this Agreement. The Client agrees that Acentech's total aggregate liability to the Client or any third party for any and all injuries, claims, losses, expenses, or damages including reasonable attorney's fees, arising out of or in any way related to the Project or this Agreement from any cause or causes, including, but not limited to, ACENTECH'S AND/OR SUB-CONSULTANTS' NEGLIGENCE, ERRORS, OMISSIONS, STRICT LIABILITY OR BREACH OF CONTRACT, SHALL NOT EXCEED THE GREATER OF \$25,000 OR TWO TIMES THE FEE FOR THE SERVICES PROVIDED BY ACENTECH UNDER THIS AGREEMENT.
- C. Acentech and Client mutually agree, to the fullest extent permitted by law, to indemnify and hold each other harmless from any and all damage, liability or cost (including reasonable attorney's fees and defense costs) to the extent caused by their own negligent acts, errors or omissions and those of anyone for whom they are legally liable and arising from the Project that is the subject of this Agreement and due to their failure to perform their obligations hereunder.
- D. Acentech shall not be in default of its obligations to the extent that its performance is delayed or prevented by causes beyond its control, including but not limited to acts of God, delays in delivery by vendors, and strikes or other labor disturbances.

VI. TERMINATION

Either party may terminate this Agreement in whole or in part at any time by written notice to the other; such notice is effective upon receipt. In the event of a termination initiated by the Client, Acentech shall be compensated in accordance with this Agreement for the services rendered and expenses incurred or committed to up to the effective date of notice of termination. The provisions of this Agreement that contemplate surviving the expiration or termination of this Agreement and the Services shall survive the completion of the Services and/or termination or expiration of this Agreement.

VII. GENERAL

A. Agreement

The Agreement between the parties consists solely of the Proposal and these Terms and Conditions and represents the entire agreement between the parties with respect to the Services and supersedes all prior agreements.

B. Governing Law

The substantive laws of the Commonwealth of Massachusetts shall govern any disputes between Acentech and the Client arising out of the interpretation and performance of this Agreement.

C. Mediation

Acentech and the Client agree that any disputes arising under this Agreement and the performance thereof shall be subject to nonbinding mediation as a prerequisite for further legal proceedings.

D. Certification

Acentech shall not be required to sign any documents that would result in Acentech's having to certify, guaranty or warrant the existence of conditions that would require knowledge, services or responsibilities beyond the proposed Scope of Services.

Auto Racing Noise Study and Track Noise Management Plan



Acentech Proposal 625493

13 November 2014

Submitted to Town of Lee:

Lee Select Board

Submitted by:

 ACENTECH

1. Introduction

Thank you for the opportunity to submit Acentech's proposal for acoustical consulting services related to performing an Auto Racing Noise Study with the Town of Lee Ad Hoc Racetrack Committee that was established by the Lee Select Board. We propose to provide professional assistance to the Committee and the Lee Select Board to develop specific guidance directed at how to monitor and enforce Speedway noise limits in ways that are defensible, reasonable, and fair to the interested parties. It is noted that both the neighbors and the Speedway are taxpayers.

Acentech recommends that a Track Noise Management Plan is needed and should be developed for the Lee USA Speedway. The Noise Management Plan to be based on best practices should document clearly and concisely specific responsibilities and obligations of the Speedway operator and town officials including onsite vehicle and offsite noise limits during events, noise measurement locations, noise measurement personal and instrumentation, measurement procedures and durations, additional noise mitigation measures, record keeping and reporting, scheduling of noisy events, telephone hotline to receive complaints, responding to and reporting complaints received, communication with neighbors, usage of public address systems, and enforcement actions. Specific recommended changes to the ordinance will be included directed at making it more effective and enforceable.

The following section of this proposal provides information about Acentech's experience and qualifications. Section 3 provides background information and our understanding of the issues. Section 4 provides Acentech's proposed scope of services addressing your RFP. Section 5 provides a schedule of time and price. Section 6 includes representative lists of our race track consulting projects and locations where we are continuously monitoring noise and/or vibration for our clients.

2. About Acentech

Acentech is among the oldest and most experienced multi-disciplinary acoustical consulting firms in North America. Our staff has provided consulting services for more than 50 years in the areas of environmental acoustics, noise and vibration control, architectural acoustics, product noise evaluation and control, transportation noise and vibration control, building vibration control, and sound system design. We have installed and are operating continuous monitoring systems that measure and document noise and/or vibration at more than 50 facilities for clients throughout the United States. Our systems can be programmed to measure A-weighted noise levels and/or octave band sound pressure levels as well as sound wav files and video files during preselected time intervals. Measurements are displayed in real-time via internet connection together with historical records for authorized users.

Acentech staff frequently uses state-of-the-art computer programs to model noise propagation from facilities out to receivers such as residential neighborhoods. Our use of these programs simplifies "what-if" studies to investigate proposed operational adjustments at the facility or the use of possible noise abatements. We also prepare noise level contour drawings overlaid on aerial photographs and maps for easy-to-read visual presentations.

We have forty highly-qualified professional staff members that accept approximately 250 new projects each year for clients throughout the United States and many foreign countries. Many of these projects involve the measurement, evaluation, and control of environmental noise from industrial, commercial, or recreational facilities located near residential neighborhoods. Recreational facilities have included shooting ranges, automobile race tracks, outdoor music facilities, and high performance sport boats. Racing facilities at which we have consulted are identified on the attached list.

We commonly work with clients during the early design and permitting of new facilities or are called in later to address noise problems that arise after a new facility becomes operational. Our staff members often work closely with government agencies, town officials, facility owners, facility designers, and interested neighbors. Examples of some government agencies are listed below:

Town of Belmont, NH	Village of Newburgh Heights, OH
Town of Londonderry, NH	Cape Cod Commission
Town of Belmont, MA	New Hampshire Attorney General
Town of Walpole, MA	Mass Dept of Environmental Protection
Town of Weymouth, MA	Vermont Public Service Dept
West Hartford, CT	Minnesota Metropolitan Council
City of Cleveland	City of Atlanta
MassPort	Office of Naval Research
Massachusetts Bay Transportation Authority	US Department of the Army and the Air Force
Guidance during development of the Maine Noise Regulation	

We have worked with state and local governments to draft new noise standards. We have worked with attorneys to interpret noise standards prepared by others and provide support to attorneys during cases that include important acoustical issues. We work with residents to help them encourage owners of nearby facilities to operate as good acoustic neighbors. And we work directly with facility owners and operators to help them comply with local and state noise standards.

We help clients reduce noise directly at the source, reduce noise propagation along the path between sources and receivers with effective barriers, and reduce noise at receivers with Residential Sound Insulation Programs.

Acentech clients range in size from Federal to state to local government agencies and from some of the world's largest high-tech companies, such as IBM and General Electric, to individuals requiring professional assistance. Acentech accepts projects that range in size from the largest public works projects in the United States to small projects at private homes. The duration of Acentech's projects range from a half-day meeting at a client's office to review preliminary plans for a small project to multi-person-year assignments working as a team member on world-class projects. However, essentially, every environmental noise consulting project we take on, both large and small, brings with it the responsibility to present complex technical information in a simple and concise fashion understandable to lay persons without experience in acoustics. Our staff frequently present technical information at national conferences, are speakers at public hearings, and expert witnesses at judicial proceedings where clarity is an expected and necessary component of our service.

3. Background and Understanding

When evaluating and resolving community noise issues we find it to be most useful to address each of the following three elements:



Racecar noise radiates from the engine exhaust, engine air intake, radiator cooling fan, engine block, transmission, and tire-pavement interactions. The exhaust is often the dominate source for cars without effective muffling. Individual particularly noisy cars can and should be identified at the Speedway with the use of effective noise monitoring as one step towards addressing the highest and most intrusive noise levels that can be most annoying to neighbors. For example, measurements made at the Speedway in April and May of 2011 at 20 inches from the tail pipe of one class of cars ranged from 100 to 119 dBA, another class of cars ranged from 92 to 119 dBA, and a third class of cars ranged from 99 to 110 dBA. If these measurements were performed properly, they demonstrate the importance of addressing the loudest cars that have been operating without effective exhaust mufflers.

We will recommend for consideration by the Committee that effective and coordinated noise monitoring should be performed both onsite at the Speedway and offsite out towards neighbors. Onsite is recommended because that is where the noise is generated and where the Speedway owners/operators can exert some control of the noise. Offsite at the property line or beyond is recommended because that approaches where concerned neighbors live. Coordinated noise monitoring is recommended because that will simplify direct comparisons of noise being generated at the track with noise that is received out towards the neighbors. The

Tamarack neighborhood, located as close as 800 ft to the southwest, includes 22 single-family two-story wood-framed houses in a relatively quiet wooded area with a mix of evergreens and deciduous trees. Additional concerned neighbors somewhat further from the track are located to the east of Route 125.

Experience based on more than 50 years of environmental noise consulting practice indicates that residential neighbors are generally more sensitive to and concerned about intrusive noise during evening hours than during mid-day hours. We could address with the Committee if specific louder events should be limited to mid-day hours with less noisy events scheduled during evening hours.

Experience also indicates that clear, prompt, and responsible communications between the noise maker and residential neighbors lead to improved relations with less tension. We recommend that a specific telephone number be established for neighbors to call regarding complaints about excessive noise. All calls should be logged with date and time and responded to promptly. Copies of logs and responses should be made available to the Committee. In addition to improved communications, the logs will allow for comparisons with the noise monitoring data at the time of the complaint.

For the measurement results to be defensible, noise monitoring instrumentation should be professional grade, laboratory calibrated annually, field calibrated on a regular basis, and performed in accordance with a measurement plan prepared by an experienced professional.

Noise monitoring systems Acentech installs and operates for clients provide measurement, logging, and continuous access via internet connection. Authorized parties are allowed access to view ongoing measurement results in real-time thereby providing transparency and a more trusting environment. Acentech's noise monitoring systems include wav files (digital sound recordings of actual specific occurrences) allowing one to listen to the noise and identify that it was from vehicles at the Speedway. In addition, our monitors can maintain video photographs associated with noisy events. Our noise monitors can be programmed to measure and document sound levels second-by-second, minute-by-minute, or hourly. Together, this documents a complete record before, during, and after all noisy events. We look forward to demonstrating to the Committee our actual real-time monitoring from one or more of the dozens of sites in the US where our systems are currently operating.

Environmental noise monitoring is often performed and reported based on the A-weighting frequency response scale as is required by your current Racetrack Ordinance. While we do not disagree with the use of A-weighted noise measurements, it has been our experience that residential neighbors far from a facility are sometimes most annoyed by lower frequency noise such as in the 63 Hz octave frequency band. We will want to discuss this with the Committee.

The current Racetrack Ordinance Section 21 provides that noise from activities at the racetrack shall not exceed the "established level" when measured at 3-ft above the ground along the racetrack property line. It also provides that vehicles shall include a muffler that reduces noise below the 97 db level¹. We will want to discuss this with the Committee and determine the most appropriate noise limits and measurement locations. We understand that some Committee Members want to maintain a single noise limit in the Ordinance. We note that environmental noise measurements are most-often made at 5-ft above the ground.

As recently as 2011, there were Committee discussions suggesting that the proposed Section 21 should provide that noise from activities at the racetrack shall not exceed 97 decibels when measured along the racetrack property line, or at 100 ft from the track, or at 20 inches from the tailpipe. It is essential that together we reach agreement as to reasonable and achievable noise limit(s) and compliance measurement locations.

The new General Manager for the racetrack has stated that he has noise meters and that the track is compliant with the OSHA standards within their property. We will want to discuss if he feels that OSHA standards for employee noise exposures might be related to noise from the track as heard in the nearby community.

¹ To be meaningful noise limits must also specify a measurement location or distance.

We will want to discuss with the Committee their reasons for stating in the Racetrack Ordinance that a measurement that exceeds the established level, regardless of duration, shall be a violation. We note that it has been suggested that the track be shutdown (immediate cessation of racing for that date) when sound levels greater than the established level are measured along the Speedway property line. We suggest that immediate cessation is not a reasonable approach. The Speedway operator should have time to investigate and correct excessive noise problems that occur.

For your reference purposes, the NH noise regulation for stationary testing of street-registered motorcycles includes the following three limits measured at 45 degrees to the side and 20-inches behind the exhaust tailpipe outlet during operation at three engine speeds. This is based on SAE Recommended Practice J2825 and is intended to “catch” the loudest motorcycles without effective mufflers.

Engine speed	Idle	2000 rpm	5000 rpm
Noise Limit	92 dBA	96 dBA	100 dBA

The New Hampshire noise regulation is available at:

http://www.nhmro.org/files/HB1442-Motorcycle_Noise_Emission_Regulation-effect_01-01-13.pdf

The Federal EPA noise limit of 80 dBA measured at 15 meters for on-street motorcycles sold in the US is based on a passby test performed while accelerating at fully open throttle. For interested readers a recent report where Acentech staff served as an editor provides information about motorcycle noise and the above test procedures. The report is available for download without charge at:

<https://www.inceusa.org/sites/default/files/MotorcycleReport.pdf>

Racetrack Manager Watson has pointed out that stationary noise testing of exhaust noise is not possible for several types of vehicles. For these vehicles, consideration can be given to establishing a passby acceleration noise test such as is used for motorcycles.

The Committee has discussed continuing to use SAE Standard J1169 for tailpipe noise measurements. We note that that Standard has been discontinued and replaced with SAE Standard J1492.

Several years ago, the Committee decided to adopt 55 dBA at residential properties as an initial goal during Speedway operations. This was based on what was said to be “maximum” standards from the World Health Organization (WHO) for residential neighborhoods. We note that this WHO Guideline for community noise is instead based on long-term average noise levels.

Members of the Lee Select Board stated during their meeting of 13 September 2010 that they are not looking to increase the noise limit of the Racetrack Ordinance and would prefer to lower the threshold. The original intent of Section 21A of the Noise Ordinance back in 1989 was to respond to an increase in loud racing events. Early this year, Selectman Cedarholm raised questions about onsite and property line noise monitoring during the 2014 season. Based on a suggestion from Selectwoman Dennis, it was agreed to meet with the new police chief in this regard.

Essentially all race vehicles include a range of performance enhancing elements. Some are legal and some are not legal depending on the track and event. Exhaust system design, without an effective muffler, is but one example.

Track management has been listening to cars before and during events. Very loud cars are told to reduce noise before racing again, and exceptionally loud cars are not allowed to race.

Some drivers believe that a muffled exhaust degrades their engine performance. It is well known that some people attending the Speedway enjoy the loud noises from unmuffled cars. It is equally well known that some neighbors object to the loud noises from unmuffled cars that degrades quality-of-life at their homes.

We note that construction of a barrier wall adjacent to the Speedway property line would reduce the noise measured at the property line while providing far less protection for distant neighbors. However, the advertising billboards and perhaps the grandstands could be modified to better serve as effective noise barriers for neighbors in the Tamarack neighborhood. For noise barriers along the east side of the track, consideration should be given to including exterior-grade sound absorption to avoid reflecting additional Route 125 traffic sounds towards the east neighbors.

At some racetracks and sports facilities sounds from the PA system contributes to neighborhood annoyance. We will want to ask if this is troublesome at your Speedway and note that there are ways to address this issue.

The 2014 Racetrack General Rules do not mention requirements related to exhaust mufflers or noise limits. Noise limits and/or mandatory requirements for exhaust mufflers in good working condition are, however, provided in the 2014 Division Rules that state that cars without proper exhaust systems will not be allowed to run at any time. The 2014 Late Model Sportsman Division rules provide that all cars must meet mandated 96 dB, but unfortunately do not specify a measurement location or distance. If this was specified to be measured at 20 inches from the exhaust outlet and enforced, it would represent a significant benefit for the neighbors. We will want the opportunity to discuss with the Committee and Speedway operator the application of these rules.

We will want to ask the Committee about their interpretation of the Racetrack Ordinance Section 1: definition of a motor vehicle as "... not operated exclusively on stationary tracks." (as extracted from NH state Law.)

For your Racetrack Ordinance to be "defensible" the noise limit(s) must be achievable during Speedway operations, should be in the public interest, consistent, and reasonable.

4. Scope of Services

Phase One Scope of Services responding fully to the Request for Proposals.

1. Meet with the Racetrack Committee to define clearly, rank-order, and discuss the range of concerns and expectations from each member, such as are documented in the Committee Report dated 28 December 2011 by Chair John R. LaCourse.
2. Review previous steps taken to address, measure, and limit noise from the Speedway and discuss why the results have not yet been satisfactory. Also meet with one or more police officers to discuss their experiences while trying to make measurements of vehicle and Speedway noise.
3. Address shortcomings with Section 21 of the current Racetrack Ordinance and recommend revisions that address and improve clarity, ease and effectiveness of noise monitoring, reliable identification of the source(s) when exceedences are observed, enforceability, effectiveness, reporting methods, and record keeping.
4. Recommend appropriate location(s) where reliable measurements should be made for noise monitoring purposes. This can include, but might not be limited to, on-track vehicle testing and specific locations along the Speedway property line in directions towards concerned neighbors. The Speedway property line is shown with the aerial photograph included on the cover of this proposal. Considerations when selecting measurement locations include a) away from other loud noise sources (such as Calef Highway) that would contaminate the data, b) in the direction from the track towards concerned neighbors, such as to the Tamarack Road neighborhood to the southwest and beyond Route 125 to the east, c) noise not shielded such as it is at the "survey pin on the Lee USA/Tamarack property line", d) away from large reflecting surfaces, e) reasonably accessible, f) and directed at cars leaving rather than entering a turn.
5. Recommend professional-grade calibrated instruments with windscreens for use during measurements according to a testing plan provided by an experienced professional. The test plan is to include recommendations for performing reliable defensible measurements. We will provide during a meeting with the Committee a hands-on demonstration of professional instrumentation.

6. Recommend reasonable noise limit(s) based on balanced consideration of input from nearby residential neighbors, track operators, and Town of Lee officials. We understand that some members of the Committee would prefer to maintain only one noise limit that applies to all locations along the property line.
7. Provide recommendations for additional steps that can be considered to further reduce noise from track activities that are heard by nearby neighbors.
8. Prepare a noise level contour map for one or more racing events based on downwind sound propagation conditions with a moderate inversion. This will be overlaid on a color aerial photograph extending out to the nearest neighbors.
9. Explain why continuous noise monitoring during track events would be preferable to individual single measurements with a handheld sound level meter. Report and demonstrate to the Committee how Acentech sets up, installs, and operates continuous noise monitoring systems with transparent record keeping and reporting of results.
10. Prepare and submit the outline of a Track Noise Management Plan for discussion with the Committee.
11. Prepare and submit for review the Track Noise Management Plan documenting clearly and concisely specific responsibilities and obligations of the Speedway operator and town officials including: onsite vehicle and offsite noise limits during events, noise measurement locations, measurement instrumentation and durations, weather conditions, measurement personal and best-practice procedures, record keeping and reporting, scheduling of noisy events, telephone hotline to receive complaints, responding to and reporting complaints received, communication with neighbors, usage of public address systems, and enforcement actions. Specific recommended changes to the Ordinance will be included to make it more effective and enforceable.
12. Consider installing a continuous noise monitoring system at least several weeks before the start of the 2015 racing season to document baseline (non-racing) noise levels.
13. Prepare and submit progress reports on a regular basis to the Committee. Respond to questions and requests from Committee members.
14. Attend three meetings with the Committee during the course of Phases One and Two.
15. Prepare and submit a concise written report documenting the pertinent results of the above Phase One tasks.
16. Meet with the Committee and the Board to present, review and discuss the above report.

Phase Two Scope of Services responding fully to the Request for Proposals.

1. Specific guidance as to the logistics of noise monitoring will be included in the Track Noise Management Plan described in Phase One of this proposal.
2. We recommend that noise monitoring should be performed by experienced professionals. Alternatively, if the Committee prefers monitoring be performed by local persons such as police officers, we could provide a training program as we have done for others.
3. We can be prepared to start monitoring, as suggested below in Phase Three, shortly following receiving your authorization and reaching agreement on most-appropriate locations. We suggest that starting in February or March could be reasonable given that we expect that the 2015 Speedway schedule is apt to start in April as it did in 2014.

Phase Three Scope of Services suggested for consideration by the Committee

1. We propose installing two or more professional-grade calibrated noise monitoring systems for operation before the start of the 2015 season and during part or all of the season. Measurement results from the monitoring system would be available to authorized persons in real-time via internet connection. Locations for the monitoring systems and persons authorized for access would be selected with approval from the Committee and Select Board. A purpose of this one-season noise monitoring will be to demonstrate to all interested parties a simple and most-effective way to continuously measure and document time-history noise records during each and all Speedway events. We expect that the Speedway operator will provide running time-history logs for all events during the season. A near-track noise monitor would identify clearly the ongoing time-history noise from the track.

Phase Four Scope of Services suggested for consideration by the Committee

1. If the Committee agrees that the Phase Three 2015 monitoring demonstration was successful, we will be pleased to continue the monitoring during the 2016 season and beyond. In addition, we will accommodate adjustments to the monitoring program that are requested by the Committee.

5. Schedule of Time and Price

We can be prepared to start the above-described consulting services shortly after receipt of authorization of this proposal and would expect to comply with reasonable time schedules. Based on the information that you have provided and our experience with many other consulting projects, we estimate that the total cost to complete the Phase One and Two Tasks will be \$9,750. This amount will not be exceeded without your approval. Costs associated with Phase Three and Four options will be estimated later, if approved by the Committee.

We propose to provide our services on a time and materials basis in accordance with Acentech's standard Terms and Conditions or other mutually acceptable arrangement.

6. Lists of Related Acentech Projects

Representative Outdoor Sports Facilities and Racetracks

<p>Accord Speedway Community Noise Study Accord, NY Citizen Accord</p> <p>Arlington Park Turf Club Arlington Heights, IL Skidmore Owings & Merrill, Architects</p> <p>Belmont Racetrack New Sound Systems Queens, NY New York Racing Association</p> <p>Birmingham Turf Club Birmingham Turf Club, Inc Birmingham, AL</p> <p>Bridgehampton Road Races Community Noise Study Bridgehampton, NY</p>	<p>Johns Hopkins University Lacrosse Facilities Baltimore, MD William Rawn Associates, Architects</p> <p>Lebanon Valley Speedway West Lebanon, NY Paul Wheeler</p> <p>Meadowlands Racetrack Upgrade East Rutherford, NJ Ewing Cole Erdman, Architects Grad Partnership, Architects</p> <p>New Hampshire International Speedway Louden, NH NH International Speedway Association</p> <p>Riverside International Motorplex Moreno Valley, California</p>
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<p>Bryar Motorsports Park Community Noise/Barrier Feasibility Study Goffstown, NH</p> <p>Dartmouth College Memorial Field PA System Memorial Stadium Scoreboard Horn Softball Field PA System Hanover, NH Dartmouth College</p> <p>Garden State Racetrack Grandstand, Backstretch and Teletrack Facilities Cherry Hill, NJ Ewing Cole Cherry Parsky, Architects</p>	<p>Tulane University New Stadium Review New Orleans, LA</p> <p>University of Massachusetts New Football Facility Amherst, MA Perkins + Will</p> <p>Waterford Speed Bowl Connecticut</p> <p>Whip City Speedway Westfield, MA City of Westfield</p>
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Representative Continuous Monitoring Clients, Noise and Vibration

<p>Adnexus Amherst College AstraZeneca AT&T Baystate Medical Center Boston Chops Restaurant Boston Medical Center Brayton Point Power Station Brigham & Women's Hospital Boston Children's Hospital Children's Hospital of Pennsylvania City College of New York - New York Structural Biology Center City of Hope National Medical Center City of Santa Monica, CA City University of New York - Advanced Science Research Center Cubist Pharmaceuticals Dartmouth College - Baker Library Digital Reality Trust Disney - Glendale Campus Emerson College Los Angeles Center Genzyme Harvard University Fogg Museum Harvard University Medical School - Wyss Institute Harvard University LISE Building Harvard University School of Public Health Immune Disease Institute Liberty Mutual Los Angeles County - Regional Transportation Authority Lowell General Hospital Massachusetts Institute of Technology - Building 2 Construction Monitoring MedImmune Morton Hospital Mylan Technologies New England Baptist Hospital</p>	<p>New England Conservatory - Jordan Hall Northrup Grumman Parters Healthcare Peabody Essex Museum Sanofi Pasteur St. Elizabeth's Hospital St. Francis Hospital Medical Center Southie Studios University of Connecticut Health Center - Andrology Laboratory University of Connecticut Health Center - Cage Process Facility University of Connecticut Health Center - Tower B University of Iowa - Carver Biomedical Research Building University of Iowa - Museum of Richey Ballroom University of Massachusetts Amherst - Hasbrouck Hall University of Massachusetts Amherst - Morrill Building University of Massachusetts Amherst - New Laboratory Science Building University of Massachusetts Amherst - New Student Residences University of Massachusetts Amherst - Thayer Hall University of Massachusetts Amherst - Tobin Modular Cleanup University of Pennsylvania Health Systems University of Virginia – Core Lab Building Upper Scioto Wind Farm Vinalhaven Wind Turbine Energy Yale University - 300 George Street Animal Facilities Yale University - Osborne Memorial Laboratory Yale University - Sterling Cogen Plant</p>
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November 12, 2014

Ad Hoc Racetrack Committee
Town of Lee
7 Mast Road
Lee, NH 03861

SUBJECT: Proposal for Acoustical Consulting Services – Auto Racing Noise Study

Dear Committee Members,

This letter will serve as my proposal for acoustical consulting services in response to the RFP titled “Auto Racing Noise Study”, issued on October 13, 2014.

Scope of Services

The RFP separates tasks to be complete into two phases of work. One of the Phase I tasks references Attachment B, which overlaps significantly with Phase II. This makes the intended delineation of the two phases somewhat unclear. Below, I have detailed my recommended scope of work for each phase. I’ve assumed that Phase I should involve a review of the existing ordinance, and Phase II should involve gathering of data and the development of recommendations for revisions to the ordinance.

Phase I – Review of Current Ordinance

1. Review existing ordinance.
2. Meet with the Racetrack Committee to discuss goals for revision of the ordinance.
3. Produce written report addressing the following:
 - a. Whether the current ordinance is enforceable
 - b. Whether the current ordinance reflects current best practices and standards for sound monitoring and noise control
 - c. Preliminary recommendations of changes that would be required to make it enforceable and conform to best practices
4. Meet with Committee to discuss report.

Phase II – Development of Revised Ordinance and Monitoring Protocol

1. A question central to this project is whether it is feasible for local officials to conduct compliance monitoring. I understand from talking with the committee members at the site visit that the primary challenge has been separation of

- racetrack noise from traffic and other noise. In order to assess whether simplified measurements can be made without third-party involvement, data will need to be gathered during race events. Two or three event should be sufficient to establish whether this is feasible, and at which representative monitoring locations. This will involve the following:
- a. Installation of unattended monitors at two locations on or near the site for the duration of each race
 - b. Attended measurements at several location on the site and in the surrounding community throughout duration of each race
2. Data from the measurements described above will be analyzed to determine:
 - a. Locations best suited for compliance monitoring (to avoid contamination from highway noise, etc.)
 - b. Whether monitoring can be simple enough that it could be conducted by town officials
 3. Meet with Committee to discuss results of measurements prior to drafting recommendations.
 4. With the intention of updating the ordinance to conform to current best practices and, if possible, to make it enforceable without third-party involvement, proposed updated language for the ordinance will be developed.
 5. A written report will be produced, containing the following:
 - a. Analysis of measured data
 - b. Recommended language for updated ordinance
 - c. Measurement protocol for compliance monitoring (whether for local officials or third-party contractor)
 6. Following this report, I anticipate being involved during the process of finalization and adoption of the new ordinance.

Optional Additional Services – Noise Contour Model

While not included in the scope of the RFP, a desire was expressed during our site visit for a noise contour map to be developed for the site. This modeling would be useful in determining appropriate monitoring locations, and in understanding which parts of the community are most impacted.

I have attached a sample noise contour plot as an example. Each contour line represents a 5 dB interval. This sample plot does not take into account the topography of the area modeled, and the input noise data are arbitrary. Actual contours from the site would be more intricate.

Fees

I will personally conduct all work on this project at a rate of \$220/hr. Travel time (approximately ½ hour each way from Portsmouth) will be discounted by 50%. I anticipate that the scope of work described above will require the following time and fees:

Task	Description	Fee	
Phase I			
Review Ordinance & Produce Report	8 hours labor	\$1760	
Meet with Committee (2 meetings)	4 hours labor	\$880	
Travel	2 hour labor (50%)	\$220	
	Mileage	\$40	
Phase I Total		\$3120	
Phase II			
<i>Measurements</i>			
Per Event	Measurement During Event	5 hours labor	\$1100
	Data Analysis	3 hours labor	\$660
	Travel	1 hour labor (50%)	\$110
		Mileage	\$20
Event Total		\$1890	
<i>Report</i>			
Generation of Report, including:	12 hours labor	\$2460	
<ul style="list-style-type: none"> • Explanation of data analysis • Proposed ordinance language • Proposed monitoring protocol 			
<i>Additional Meetings</i>			
Per Mtg	Meeting with Committee	2 hours labor	\$440
	Travel	1 hour labor (50%)	\$110
		Mileage	\$20
Event Total		\$570	
<i>Noise Contour Modeling (Optional)</i>			
SoundPlan Model	8 hours labor	\$1760	

Based on the fees above, I estimate that the total fees for the scope of work described in the proposal would be approximately \$10,000. This assumes measurements during two race events, and two additional meetings with the Committee. Additional measurements, meetings, and noise contour modeling, would be charged at the rates above.

Project Schedule

I anticipate that Phase I will be completed by March 1, 2015.

As Phase II is dependent on measurements of race events, this work would commence at the start of the race season. Completion, including report submission, is anticipated by July 1, 2015. The optional noise contour modeling would be completed within this time frame.

Any involvement in the finalization of ordinance language and adoption would be at the schedule dictated by that process.

Qualifications

Reuter Associates, LLC is a small, locally-owned business. Founded in Portsmouth in 2001 by firm principal, Eric Reuter, to provide much-needed consulting services in noise control and architectural acoustics to clients in the Seacoast area and beyond.

Eric Reuter is a Board Certified Member of the Institute of Noise Control Engineering, a prestigious credential held only by approximately 250 noise control engineers worldwide. Reuter serves on the Board Certification Committee as one of the three graders for the Board Certification exam.

Reuter Associates, LLC is a firm member of the National Council of Acoustical Consultants. NCAC is an international, peer-vetted organization of acoustical consulting firms. Eric Reuter has served on the NCAC Board of Directors for 5 years, and is currently the Vice President for Membership.

Eric Reuter has conducted hundreds of environmental noise studies over the past 15 years, and has worked on all sides of these issues: for industry, community organizations, and municipalities. He is a recognized expert on the assessment, modeling, and abatement of community noise. Reuter regularly chairs special sessions on community noise for the Acoustical Society of America.

Eric Reuter is also an Associate Professor at the Berklee College of Music, where he has taught courses in acoustics to over 2500 students in the past 15 years.

Relevant to this project, Eric Reuter is a lifelong auto enthusiast, and has a thorough understanding of automotive technologies.

Please find a complete resume attached.

Representative Projects & References**AI Littleton Quarry Expansion - Littleton, MA***Peer Review of Environmental Noise Study*

Reuter Associates provided peer review on behalf of the Littleton Planning Board of the noise section of a Special Permit Application for relocation and expansion of processing equipment for the existing Aggregate Industries Quarry. Reuter Associates worked with the planning board, abutters, and applicant to develop a mutually agreeable monitoring protocol to ensure compliance.

Reference: Carol Harris, Woodard & Curran, 978-557-8150

USA Springs Bottling Facility - Nottingham, NH*Peer Review of Environmental Noise Study*

Reuter Associates was hired by the town of Nottingham, NH to review the noise study prepared by the developers of this controversial groundwater bottling facility. Concerns included increased traffic on public roads (including engine braking), truck traffic on the site, process and HVAC noise, and loading-dock related noise. Though the project was never completed, this review resulted in the reconfiguration of site for lower potential noise impact on residential abutters.

Reference: John Gilbert, formerly of GeoInsight, 603-219-6538 (current contact number)

Tower Hill Tavern – Laconia, NH*Entertainment Venue Noise Study*

Reuter Associates was hired by the City of Laconia to review plans for expansion of an existing restaurant, including a new live music venue, in the Weir's Beach section of Laconia. Computer modeling and field measurements were used to develop appropriate noise criteria and architectural details to reduce impacts on nearby residences and hotels.

Reference: Shanna Saunders, Planning Director, 603-527-1264

Take Five Dog Care – Lee, NH*Boarding Kennel and Daycare Facility*

Reuter Associates provided extensive modeling of potential noise impacts from dogs, both indoor and outdoor, for this proposed facility, recently approved by the Lee Planning Board. This included multiple presentations to the Board, including a short primer on community noise.

Reference: Robin Wunderlich, Lee, NH, 603- 659-5917

While it is difficult to compete with decades-old Boston firms on volume of project experience, I made a decision many years ago to keep my firm small. This allows me to do all of the project work personally, providing a high quality product that my many repeat clients have come to appreciate.

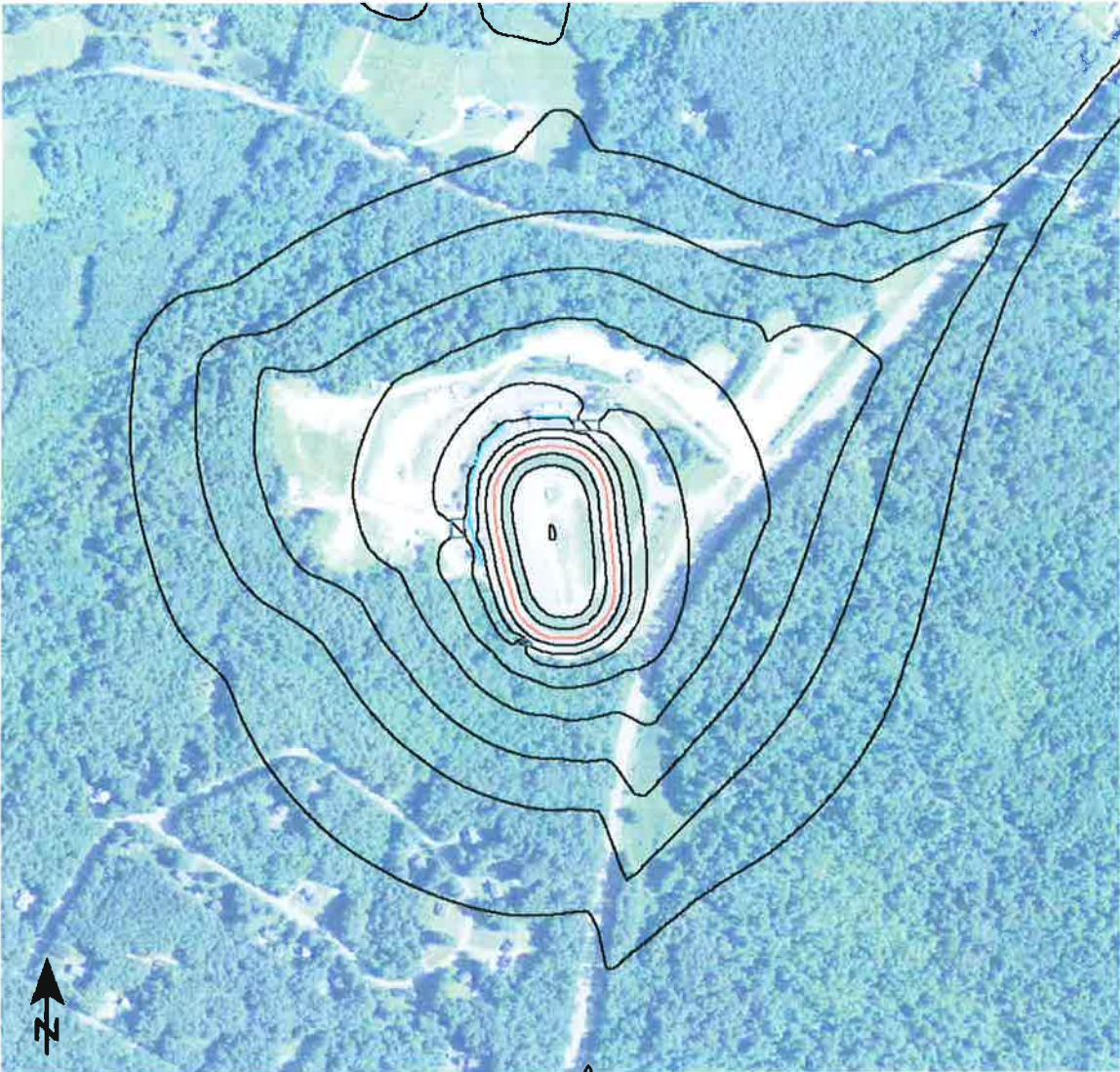
I always enjoy the opportunity to bid on local projects, and do sincerely appreciate your consideration of my proposal. I look forward to meeting all of you next month.

Please feel free to contact me with any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Eric L. Reuter', with a long horizontal flourish extending to the right.

Eric L. Reuter, INCE Bd. Cert.
Principal



Sample Noise Contour Plot

Eric L. Reuter

Education

Worcester Polytechnic Institute, BS Electrical Engineering
BS Humanities and Arts: Music

Professional Affiliations

Institute of Noise Control Engineering – Board Certified Member
National Council of Acoustical Consultants – Vice President, Membership
Acoustical Society of America – Member, TCAA/TCN
ASTM – Voting Member

Eric L. Reuter has more than 15 years of experience as a consultant and educator in acoustics and audio. Mr. Reuter founded Reuter Associates, LLC in Portsmouth, NH in 2001 to provide consulting services in architectural and environmental acoustics and noise control, and is an Associate Professor at Berklee College of Music in Boston, where he has taught courses in acoustics and audio electronics to more than 2500 students since 2000.

Mr. Reuter is an expert in modeling, field assessment and abatement of environmental noise. He has managed or otherwise contributed to more than 400 environmental noise projects in areas such as transportation, industrial processes, manufacturing, quarry operations, telecommunications, recreational facilities, and protection of conservation land.

Reuter also has extensive experience and expertise in architectural acoustics, including multifamily dwellings, commercial and industrial facilities, noise control of building mechanical systems, and speech privacy.

Reuter is a Board Certified Member of the Institute of Noise Control Engineering, where he serves on the Board Certification Committee, a Vice President of the National Council of Acoustical Consultants, and a voting member of ASTM committee E33 – Building and Environmental Acoustics. Reuter is active in the Acoustical Society of America, and regularly presents papers on acoustics and noise control.

Prior to forming Reuter Associates, LLC, Reuter was a consultant at Cavanaugh Tocci Associates, Inc. in Sudbury, MA from 1999 to 2001. He was a member of the faculty of the New England Institute of Art from 2003 to 2005, where he developed an acoustics course for the newly-chartered bachelor's degree program. Reuter has also delivered several guest lectures on architectural acoustics and noise control at the Thayer School of Engineering at Dartmouth College and at Worcester Polytechnic Institute.

Auto Racing Noise Study

for

Town of Lee

AdHoc Racetrack Committee

7 Mast Road

Lee, NH 03861

Prepared by

Nancy S. Timmerman, P.E.

25 Upton Street

Boston, MA 02118

November 14, 2014

Proposal of Nancy S. Timmerman, P.E.

Auto Racing Noise Study

November 14, 2014

1. Summary and Background

In 1977, the Town adopted a Racetrack Ordinance to regulate motor vehicle racetrack activities including the noise generated by such activities. That Ordinance was revised on several occasions, in 1989, 1997, 1998, 2006, and 2012, each time pursuant to Warrant Articles approved by a majority of the voters.

The Lee Police Department commenced monitoring noise at the Lee USA Speedway (referred to as "Speedway") in 2012 in an attempt to enforce the Ordinance. Following several months of monitoring, the Lee Police concluded that they did not have sufficient expertise or guidance to effectively monitor and enforce the Ordinance. Among the factors cited were how to account for the impact of ambient noise, uncertainty concerning the locations from which monitoring was to be conducted and similar factors.

In July 2014, the Lee Select Board established the Ad Hoc Race Track Committee. That Committee is comprised of a representative of the Board, a representative of the Speedway, the Chief of Police and several community members. The Board set out a specific list of topics for the Committee to address. Ultimately, it is the objective of the Committee to provide guidance to the Board sufficient to allow for effective monitoring of noise generated by the Speedway and, if appropriate, defensible and fair enforcement of the noise limits articulated under the Ordinance.

The work is to critique the current Ordinance and provide guidance concerning how to most effectively monitor noise generated by the Speedway activities and enforce the Ordinance.

2. Scope of Work

This section addresses the questions posed in the Request for Proposal (RFP) in the order in which they appear.

Phase 1 Tasks

Task 1.1 Is the Ordinance enforceable in its current form?

From the background information provided and the preproposal meeting, it would appear that the Town is not able to enforce the Ordinance due to the observers' hearing of other (louder) ambient sounds, such as vehicles on Route 125 and rumble strips. This bidder assumes that, to be enforceable, noise from the Speedway, which may cause a complaint in the community, can

Nancy S. Timmerman, P.E.

be identified as being from the Speedway or that vehicles using the Speedway do not have compliant mufflers. The work will answer the question.

Task 1.2. If not, what changes should be made to the Ordinance to make it effective and enforceable?

Consider the following alternatives to the Ordinance as it stands. Consider removing the property line noise measurement and replacing it with a term like "noisy" to be determined by the officer. Consider replacing the property line noise limit with some other certification of the effectiveness of the race car mufflers. Consider changing the physical quantity measured to something less affected by non-racetrack sounds, such as sound intensity.

Task 1.3. Does the current ordinance reflect best practices and standards for sound monitoring and control?

In this task, a search will be performed to determine if there are better practices. The approach taken in the current ordinance is typical. Results of the search will be reported to the Committee. Specific attention will be paid to sports venues in rural areas.

Task 1.4. What guidance would you provide with respect to the topics provided in Attachment B?

Address the following issues:

- How best to measure race track sound at the property line during racetrack events (i.e., What type of instrument is appropriate)?: Property line sound levels are normally taken with a general purpose (Type 2) sound level meter for enforcement. Consideration will be given to whether the more accurate Type 1 meter is appropriate, and also whether any other measurement of sound is appropriate.
- Who is the most appropriate person or body to perform the sound measurements, and should this task be performed by a third party?: This is identical to Task 2.2 below.
- Where on the property line should the sound measurements be taken in order to eliminate or limit erroneous measurements?: A study of the property line of the Speedway will be undertaken to identify nearest neighbors along with other sound sources. It is expected that the location or locations will be as far as possible from the highway, while being close to the track.
- Assess any other involving factors that may influence, control, or limit the ability to perform meaningful sound measurements.: Any additional factors should have come to light in the other sections of this proposal.
- Develop a policy or set of procedures to improve communication between the Race Track and the Town to allow the Race Track to more effectively respond to complaints.: In order to address this item, information on how the complaint process is currently handled, along with the expectations of the stakeholders will be explored. In particular, determining what else besides the measuring of the property line noise level is an issue.

Task 1.5. What other factors should the Committee and the Board consider when determining how best to effectively and defensively monitor and enforce the Ordinance?

The Committee and the Board should consider who the point person is for complaints about the Speedway. The Board should commit to timely response to complaints so that the Owner of the Speedway can take corrective action. The Board and Committee should investigate if sensitive individuals can be positively employed in other activities on the days when racing occurs. The Committee and the Board should consider meeting regularly with the Owner of the Race Track to hear what activities that Owner may have taken to mitigate the noise from the facility. The Committee and the Board should also consider what to do when the complaints are not due to activities at the Speedway.

Phase 2 Tasks

Phase 2 is implementation of the (current) Noise Ordinance. It is divided into three parts:

1. Guidance on noise monitoring logistics,
2. Responsibility (who should monitor), and
3. How long to collect baseline noise data.

Task 2.1 Provide specific guidance as to the logistics of noise monitoring, including location, equipment, frequency, and related topics.

This task presumes a numerical noise limit in the Ordinance. The current ordinance specifies a property line measurement. If the current ordinance remains, the only question will be where on the property line. The current ordinance also states the measurements are to be A-weighted and the response time is to be "Fast". It also implies knowledge of calibration of the equipment. Included in what will be investigated will be unattended equipment which performs the measurements automatically, so that the town official or police do not need to be there. The possible downside of the use of automatic equipment is the one which has already been observed: that of false positives. In this task, what is to be measured, where, how, and the appropriateness of A-weighted levels and Fast response time will be examined.

Task 2.2 Given your experience and the information provided, who should be conducting monitoring activities (e.g., town officials/police, independent outside party, etc.)?:

In all cases, the function of "keeping the peace" is one of government police services. The chain between complainant and resolution of the problem should be as short as possible. In the case of construction noise, the site manager may take over this function. In the case of property line noise limits in Cambridge, MA which must be met before issuance of an Occupancy Permit, the measurements are taken by a knowledgeable staffer in City Hall. The noise measurements are often relegated to the police department, but their priorities may not be aligned with the task of making noise measurements. Introduction of an independent outside party may be alright for occasional activities, but most independent parties do not want the job permanently.

Nancy S. Timmerman, P.E.

Measurements can also be made by the owner and by the complainant. Most people put this into a "he said/she said" category, which is why the municipalities wind up with the task. This task is an evaluation of the trade-offs between the different approaches.

Task 2.3 How long would it take for you to collect sufficient baseline data to be able to commence monitoring for enforcement purposes?

It is not anticipated that baseline noise data will help the situation of not being able to enforce the noise Ordinance. The officers state that they can measure levels above those in the Ordinance, but they are not from the Speedway. If enforcement is attempted some other way, it is not anticipated that the set-up time will be extensive. It is anticipated that baseline data will only show that there are other sound sources in the affected community. To address the request, it is noted that there is only one scheduled race in April, and that the season starts on Memorial Day. If the set-up cannot be done in one day (April), it will have to be postponed to two or three days in May and early June, 2015. The proposal amount is for one day.

3. Other Issues to be Addressed

Task 3.1 Acknowledgement of Addenda

This is to acknowledge that Attachments A and B were sent in Addendum 1 on October 20, and received.

Task 3.2 How the Committee will be Informed of Progress

The Committee will receive periodic email updates. If email is not feasible, the information can be mailed. There will be at least one presentation before the Committee, as defined in the RFP. This bidder expects that there will be at least one other meeting during the work. Reports will be emailed. If this Bidder is successful, the frequency of updates can be negotiated.

Task 3.3 Form of Reports

The Reports of progress will be attached to email, in Word. Short status reports may be email only. It is expected that status reports will be at least monthly.

4. Bidder Qualifications

Task 4.1 Experience Relevant to the Project

Nancy S. Timmerman, P.E. brings some unique experience to the table. Among these are:

- Supervisory staff at Logan International Airport responsible for answering noise complaints and performing fieldwork, if requested.
- Invited paper, "Characteristics of effective noise regulations", Nancy S. Timmerman, P.E., Paper 5aNSa3, May 18, 2012, at Acoustics 2012, 163rd meeting of the Acoustical Society of America meeting in Hong Kong (and in the proceedings).
- Member of the working group for ANSI S12-WG41, the noise ordinance standard (years uncertain, at least 2007 - 10). The standard has not been issued, and the committee has not met recently.
- At Logan, hailed as "the most competent, knowledgeable, professional there who really cared about the community's concerns".
- Designed and specified state-of-the-art noise monitoring systems for Logan Airport and Hanscom Field, and for Evergreen Solar (before they went bankrupt).
- Has performed countless noise measurement surveys in support of existing noise regulations in Massachusetts, and elsewhere prior to going into business.
- Selected and received (usually government) permission for noise monitoring sites at Logan and Hanscom.

The business (Nancy S. Timmerman, P.E.) is a member of the National Council of Acoustical Consultants, a Small Business in the City of Boston, and a DBE (certified by Massachusetts - woman-owned).

Task 4.2 Staff Qualifications

The only staffer to be assigned to this project will be Nancy S. Timmerman, P.E. A summary of her qualifications follows.

Nancy S. Timmerman, P.E., has about forty years' experience in acoustics and noise control. She holds engineering degrees from Northwestern University (B.S.) and Massachusetts Institute of Technology (S.M) with theses in acoustics. She has on the order of fifty papers and publications. She is a Registered Professional Engineer in Massachusetts. In the Institute for Noise Control Engineering (INCE), she is a Fellow, Board-Certified, and Past President. For the Acoustical Society of America (ASA), she is member of the Noise and Architectural Acoustics Technical Committees; she is also a Fellow, a Past Chair of Women in Acoustics, a Past Chair of the Technical Committee on Noise, and Chair of the Ad Hoc Committee on Wind Turbine Noise. She has been Vice President-Eastern Region of the Audio Engineering Society.

Ms. Nancy Timmerman is recognized nationally and internationally for work in airport

Nancy S. Timmerman, P.E.

noise monitoring, has 25 years of experience in aviation noise including field measurements, computer modeling, community relations, data analysis, complaints, communication with neighboring residents, and environmental reports. She has also worked in audio, in power plant noise control, in facility noise control, sonar, municipal solid waste noise control, computer server farm noise control, architectural and room acoustics for schools, churches and residences. Many of the projects require noise measurements before or during the project.

She has owned her own consulting firm in Acoustics and Noise Control since 2001.

Task 4.3 *Similar Projects and References*

As requested, here are similar projects with references.

Work for the Acoustical Society of America on Community Noise:

Nancy Timmerman has served for many years on the ANSI S12 Working Group 41 on the noise ordinance standard. That standard, in theory, provides best practices for community noise ordinances. In addition, she has been invited to address the question of effective noise ordinances by Dr. Schomer, Standards Director for the ASA. That paper was presented in Hong Kong in 2012.

Reference: Dr. Paul Schomer, Standards Director
Acoustical Society of America
1305 Walt Whitman Road, Suite 300
Melville NY 11747
631-923-2875
asastds@acousticalsociety.org
schomer@SchomerAndAssociates.com

Independent Consultant to the Community Advisory Committee (CAC) on the Boston Logan Airport Noise Study and work at Boston Logan Airport (Complaints and Noise Monitoring System)

As a result of the Record of Decision for Logan International Airport's Runway 14/32, a review of noise from aircraft operations from all runways was required as well as a revision of the Preferential Runway System (PRAS) for Logan. To serve the community interests, both a project team (primarily serving the FAA and Massport) and a community consultant (primarily serving the Citizen's Advisory Committee (CAC)) were selected. Ms. Timmerman's involvement was as a subconsultant for the CAC, advising on noise monitoring system locations and capabilities, and supervising and performing supporting field work. With respect to fieldwork, six (6) residential locations inside DNL 55 were selected for one week of fieldwork, forty (40) hours of it attended. The locations were chosen by the consultant in cooperation with the CAC. In addition, four (4) hours of attended field measurements was made at twelve (12) of the permanent noise monitoring sites. The measurements were A-weighted time histories of the observed events. Nancy S. Timmerman, P.E. was the responsible individual for this subcontract.

At Logan International Airport, in the Noise Abatement Office (NAO), Ms. Timmerman frequently made presentations to the CAC (see above) on activities of the NAO. At the time she was there, Logan was enforcing its Noise Rules and Regulations, and part of the work was done

Nancy S. Timmerman, P.E.

by the Technicians in the NAO. In addition, the NAO is the office which receives and processes the complaints from the community on noise from the airport's operations. She was responsible for talking with the complainants, and overseeing the reports they received. She also was responsible for providing field survey work at the homes of residents, if requested. Finally, she designed, specified, purchased, installed, and used a first-of-a-kind, state-of-the art noise monitoring system for Logan and Hanscom Field. She selected and licensed the (about 35) sites used for measuring the noise from the airport in the communities.

Reference: Mr. Frank Iacovino
Massport Noise Abatement Office
Logan International Airport
One Harborside Drive, Suite 200S
East Boston, MA 02128-2909
617-561-1841
FIacovino@massport.com

Commercial Work in City of Cambridge, MA

The City of Cambridge, MA has a zoning regulation which limits the sound from mechanical equipment at the property line of commercial establishments. The City employs a staffer to measure the compliance with their noise limits before issuance of an Occupancy Permit. This bidder had one project and one potential project in which she was involved (in her official capacity).

Reference: Ms. Andrea M. Boyer
Cambridge License Commission
831 Massachusetts Avenue
Cambridge, MA 02139
617-349-6149
aboyer@cambridgema.gov

5. Time Schedule

The RFP states that the project will be awarded by December 8, 2014. The tentative start date for the project is January 5, 2015. During the winter months, the data searches will be performed (Tasks 1.1, 1.2, 1.3, 1.4e, 1.5, and 2.2), and policy issues resolved. See below (Cost Proposal) for a tabular presentation of the tasks cited in this section.

At the end of that time (about March 1), a decision will have been made on whether or not to have a measurement-based ordinance. If it is decided to proceed with measurements, the other preliminary work can be performed (Tasks 1.4a, 1.4d, and 2.1), defining the equipment to be used and where to measure, and how. Then, if needed, baseline measurements can be performed on the first race date, in mid-April, 2015.

If measurements are delayed, the expected end of the baseline measurements may be as late as early June, 2015, with presentations of results after that.

6. Cost Proposal

This cost proposal is based on a professional hourly rate of \$ 160 and a mileage rate of \$.50/mile, and estimated postage to mail reports (if necessary),

Task	Description	Hours	Other expenses	Cost
1.1	Enforceable?	2		320
1.2	Changes	4		640
1.3	Best Practices	4		640
1.4a	Instrument Spec	10		1600
1.4c	Loc on Property Line	4		640
1.4d	Additional Factors	4		640
1.4e	Complaint Procedures	4		640
1.5	Other Factors (complaints)	2		320
2.1	Logistics of monitoring	10		1600
2.2	Responsibility/who	4		640
2.3	Baseline data	10	100	1700
3.2	Communication/Presentation	20	250	3450
3.3	Reports	20	20	3220
Totals		98	370	16,050

The presentation figure also assumes two (2) trips to meet with the Committee. This cost proposal includes equipment usage for the baseline data, but not any equipment purchased for the Town.

Please note that if it is decided not to measure the sound, this proposal is considerably less expensive. The items which would be eliminated are 1.4a, 1.4c, 2.1, and 2.3, a total of 34 hours and \$ 100 in expenses, for a reduced proposal cost of \$ 10,510.

Municipal Facility Needs Analysis RFP

September 25, 2014

	AG Architects 634 Central Ave Dover, NH 03820 743-3700	Dennis Mires, P.A. 697 Union Street Manchester, NH 03104 603-625-4548	THA Architects, LLC 105 Willow Brook Ave. Stratham, NH 03885 603-770-2491
Total Project Cost	\$42,420	\$29,500	\$8,500
<i>Programming (Data Collection, Staff Interviews, Etc.)</i>	\$13,175		
<i>Existing Facilities & Site Reviews</i>	\$6,950		
<i>Conceptual Designs & Report</i>	\$15,800	"Appropriate graphics"	None included
<i>Estimates of Project Costs</i>	\$2,375	"Cost Estimate"	
<i>Attendance at Meetings</i>	\$4,120	"Required meetings"	
<i>Optional: Existing facilities CAD Plans</i>	\$4,500		
<i>Reimbursable Expenses Estimate</i>	\$1500-2,000	\$250	
Billable Hourly Rates			
<i>AG Architects</i>	\$95 - \$145	\$100 - \$135	\$95 - \$125
<i>Civil Engineer</i>	\$115 - \$175	\$90 - \$130	
<i>Structural Principal Engineer</i>	\$96 - \$116	\$90	
<i>Mechanical/Electrical Engineering</i>	\$120 - \$125	\$80 - \$110	

Included copy of Scope of Services from the RFP

Municipal Facility Needs Analysis RFP
September 25, 2014

	AG Architects 634 Central Ave Dover, NH 03820 743-3700	Dennis Mires, P.A. 697 Union Street Manchester, NH 03104 603-625-4548	THA Architects, LLC 105 Willow Brook Ave. Stratham, NH 03885 603-770-2491
Total Project Cost	\$42,420	\$29,500	\$8,500
<i>Programming (Data Collection, Staff Interviews, Etc.)</i>	\$13,175		
<i>Existing Facilities & Site Reviews</i>	\$6,950		
<i>Conceptual Designs & Report</i>	\$15,800	"Appropriate graphics"	None included
<i>Estimates of Project Costs</i>	\$2,375	"Cost Estimate"	
<i>Attendance at Meetings</i>	\$4,120	"Required meetings"	
<i>Optional: Existing facilities CAD Plans</i>	\$4,500		
<i>Reimbursable Expenses Estimate</i>	\$1500-2,000	\$250	
Billable Hourly Rates			
AG Architects	\$95 - \$145	\$100 - \$135	\$95 - \$125
Civil Engineer	\$115 - \$175	\$90 - \$130	
Structural Principal Engineer	\$96 - \$116	\$90	
Mechanical/Electrical Engineering	\$120 - \$125	\$80 - \$110	

Included copy of Scope of Services from the RFP

GIBB ELECTRICAL & HEATING

71 Old Mill Road
LEE, NH 03824-6710

(603) 868-5997

JOB ESTIMATE

PHONE

DATE

11-17-14

JOB NAME/LOCATION

Safety Complex

LED - WALKWAY LIGHTS

TO Town of Lee

JOB DESCRIPTION:

> Install three LED WALL PACKS for Entrance walkway lighting.

3 - LED wall pack lights 298 E 894.00

1 - Replace Broken Emergency Light Head 35.00

HRS Labor x 2men x R80 320.00

THIS ESTIMATE IS FOR COMPLETING THE JOB AS DESCRIBED ABOVE. IT IS BASED ON OUR EVALUATION AND DOES NOT INCLUDE MATERIAL PRICE INCREASES OR ADDITIONAL LABOR AND MATERIALS WHICH MAY BE REQUIRED SHOULD UNFORSEEN PROBLEMS OR ADVERSE WEATHER CONDITIONS ARISE AFTER THE WORK HAS STARTED.

ESTIMATED
JOB COST

A1249

ESTIMATED
BY

[Signature]

Memorandum

TO: Julie Glover
Town Administrator
Town of Lee

FROM: Scott P. Marsh, CNHA
Municipal Resources
Contracted Assessor's Agents

DATE: November 10, 2014

RE: DRA Sales Ratio Survey

I have completed a review of the information for the sale ratio survey and believe the information to be submitted is accurate. A printed spreadsheet listing of the data entered has been provided for the Board of Selectmen to review. Please note that a certification form (pink sheet) also needs to be filled out and signed by the Board, indicating that the data provided to the DRA is complete and accurate to the best of their knowledge. If during review an error is detected, please correct and let me know.

A draft analysis of the sales data was performed. Overall, the town's assessment to sale median ratio is expected to be about 96.8% for the 2014-tax year, which is roughly a 7% change from last year's ratio of 104.1%. The 47 valid sales show a COD of 9.4 with the PRD at 1.02.

The above listed figures are expected to be similar (although not exact as they may exclude or include different sales) to the DRA's analysis when it is completed in early spring 2015.

If there are any questions, please feel free to contact me at your convenience.

LEE DRA 2014 EQUALIZATION DATA LISTING - 11-10-14.xls

Verno	Sale Date	Address	Map Lot	Verified Price	Current Assed	Previous Assed	Ratio	Prop Code	Mod Code	Special Code	XCode1
1	10/1/2013	18 SHERBURNE ROAD	06-07-0300	\$105,000	\$138,800	\$150,300	132.19	11	00	00	37 Financial Entity as Grantor/Grantee
2	10/3/2013	23 SNELL ROAD	05-06-0500	\$367,534	\$323,900	\$323,800	88.13	11	00	00	
3	10/4/2013	39 JAMES FARM ROAD	13-01-2100	\$287,534	\$289,700	\$289,700	100.75	11	00	00	
5	10/8/2013	64 FOX GARRISON ROAD	19-06-0800	\$109,000	\$194,000	\$72,000	177.98	11	00	00	17 L/B Assessment - L/O Sale
7	10/11/2013	34 SNELL ROAD	02-03-0100	\$288,534	\$283,600	\$283,600	98.29	11	00	00	
8	10/15/2013	28 THURSTON DRIVE	25-08-1000	\$5,000	\$327,200	\$327,200	6544	11	00	00	99 Unclassified Exclusion
10	10/15/2013	28 NORTHSIDE ROAD	11-04-2200	\$194,000	\$194,300	\$194,300	100.15	11	70	00	
12	10/18/2013	NOBLE FARM DRIVE	25-03-0000	\$100,000	\$307,000	\$34,800	307	22	00	00	35 Government Agency as Grantor/Grantee
13	10/21/2013	2 CAVERNO DRIVE	12-07-1300	\$750,000	\$613,200	\$613,200	81.76	11	00	00	
17	10/28/2013	16 LANGELLEY DRIVE	10-01-0108	\$160,000	\$160,300	\$160,300	100.19	14	00	00	
21	11/7/2013	17 EVERGREEN TERRACE	11-04-0009	\$12,534	\$21,700	\$21,400	173.14	18	00	00	25 Insufficient Market Exposure
26	11/21/2013	30 PINE KNOLL LANE	10-05-0066	\$52,000	\$54,000	\$54,000	103.85	18	00	00	
27	11/22/2013	28 SNELL ROAD	02-03-0900	\$416,000	\$350,100	\$350,100	84.16	11	00	00	
28	11/25/2013	74 NEWTOWN PLAINS ROAD	01-04-0700	\$245,000	\$214,800	\$214,800	87.67	11	00	00	
31	12/11/2013	24 OWL LANE	29-01-0900	\$215,000	\$250,000	\$250,000	116.28	11	70	00	99 Unclassified Exclusion
34	12/13/2013	4 SPRUCE DRIVE	10-05-0069	\$33,934	\$33,300	\$33,400	98.13	18	00	00	37 Financial Entity as Grantor/Grantee
36	12/31/2013	396 PACKERS FALLS ROAD	15-02-0700	\$500,000	\$306,800	\$306,800	61.36	26	00	00	21 MPC - Can Be Sold Separately
38	12/31/2013	2 & 4 NORTHSIDE ROAD	11-04-3700	\$227,000	\$235,000	\$235,000	103.52	12	00	00	
39	1/2/2014	1 ROBY LANE	15-02-0701	\$400,000	\$490,100	\$493,700	122.52	18	00	00	21 MPC - Can Be Sold Separately
40	1/2/2014	50 CAMPGROUND ROAD	26-01-0400	\$250,000	\$324,500	\$324,500	129.8	11	70	00	90 RSA 79-A Current Use
46	1/21/2014	21 WEDNESDAY HILL ROAD	13-07-0000	\$168,400	\$153,800	\$153,800	91.33	11	00	00	
48	1/22/2014	24 PINKHAM ROAD	03-09-0300	\$163,934	\$149,100	\$149,100	90.95	11	00	00	
49	1/24/2014	11 TURTLE POND ROAD	08-04-0800	\$290,000	\$314,300	\$314,300	108.38	11	00	00	
50	1/31/2014	3 EAGLE LANE	13-04-0206	\$30,000	\$42,100	\$42,000	140.33	18	00	00	
53	2/10/2014	6 DECATO DRIVE	28-08-0600	\$160,000	\$205,600	\$205,600	128.5	11	00	00	
54	2/10/2014	41 KELSEY ROAD	19-04-0000	\$575,000	\$638,600	\$638,600	111.06	11	00	00	90 RSA 79-A Current Use
58	2/25/2014	26 DUFF THOMPSON LANE	26-11-5306	\$170,000	\$160,900	\$160,900	94.65	11	00	00	
62	3/4/2014	5 LAMPREY LANE	28-03-2500	\$245,000	\$264,800	\$264,800	108.08	11	00	00	
63	3/17/2014	4 WEST MILL POND ROAD	16-04-0100	\$272,534	\$286,900	\$286,900	105.27	12	00	00	
68	4/1/2014	20 WHEELWRIGHT DRIVE	10-03-1000	\$212,000	\$215,600	\$215,600	101.7	11	00	00	

LEE DRA 2014 EQUALIZATION DATA LISTING - 11-10-14.xls

Verno	Sale Date	Address	Map Lot	Verified Price	Current Assed	Previous Assed	Ratio	Prop Code	Mod Code	Special Code	XCode1
69	4/2/2014	68 NORTHSIDE ROAD	11-04-0300	\$164,000	\$167,100	\$167,100	101.89	11	70	00	
74	4/14/2014	36 ANGELL ROAD	05-01-0000	\$226,534	\$196,100	\$196,100	86.57	11	00	00	
75	4/15/2014	9 DUFF THOMPSON LANE	26-11-5201	\$197,534	\$180,400	\$180,400	91.33	11	00	00	
76	4/23/2014	153 LEE HOOK ROAD	31-01-0400	\$230,000	\$209,800	\$209,800	91.22	11	00	00	
78	4/28/2014	10 OWL LANE	29-01-0100	\$31,000	\$90,100	\$90,100	290.65	22	70	00	24 Sale Between owners of Abutting Prop
79	4/28/2014	32 EARLE DRIVE	25-01-1400	\$230,000	\$251,100	\$297,200	109.17	11	00	00	
80	5/1/2014	336 CALEF HIGHWAY	16-05-0000	\$199,800	\$262,500	\$262,500	131.38	11	00	00	90 RSA 79-A Current Use
81	5/1/2014	45 BELLE LANE	33-04-0000	\$1,030,000	\$1,033,100	\$1,033,100	100.3	11	70	00	90 RSA 79-A Current Use
82	5/1/2014	HOBBS ROAD	33-10-1300	\$80,000	\$91,300	\$91,300	114.13	22	70	00	90 RSA 79-A Current Use
83	5/5/2014	49 KELSEY ROAD	19-05-0000	\$47,534	\$0	\$0	0	22	00	00	11 Prop sold Not Separately Assessed
88	5/20/2014	6 WHITTIER LANE	19-06-4406	\$220,000	\$182,100	\$182,100	82.77	11	00	00	
89	5/21/2014	14 GRANGER DRIVE	13-02-2500	\$267,534	\$250,300	\$250,300	93.56	11	00	00	
90	5/22/2014	18 DUFF THOMPSON LANE	26-11-5310	\$220,000	\$213,500	\$213,500	97.05	11	00	00	
91	5/28/2014	2 HALEY COURT	25-08-0100	\$424,934	\$391,800	\$391,800	92.2	11	00	00	
92	5/29/2014	206 NORTH RIVER ROAD	25-06-0000	\$2,073,000	\$2,048,200	\$2,048,200	98.8	33	00	00	
93	5/30/2014	72 MAST ROAD	13-08-0400	\$259,934	\$251,500	\$251,500	96.76	12	00	00	
96	6/6/2014	41 JAMES FARM ROAD	13-01-2200	\$375,000	\$342,400	\$342,400	91.31	11	00	00	
97	6/11/2014	60 CONCORD ROAD	07-08-0300	\$425,000	\$176,000	\$176,000	41.41	11	00	00	99 Unclassified Exclusion
98	6/19/2014	16 CAMPGROUND ROAD	26-02-0000	\$620,000	\$835,100	\$835,100	134.69	11	70	00	38 Family/Relatives/Affil as Grantor/Grantee
100	6/30/2014	18 EARLE DRIVE	25-01-1000	\$305,000	\$291,900	\$291,900	95.7	11	00	00	
101	7/1/2014	58 PINKHAM ROAD	03-01-0100	\$210,000	\$178,700	\$178,700	85.1	11	00	00	
102	7/14/2014	22 MAST ROAD	13-04-0300	\$180,000	\$227,800	\$228,000	126.56	11	00	00	37 Financial Entity as Grantor/Grantee
103	7/15/2014	3 MARGARET LANE	25-08-2700	\$428,600	\$436,500	\$436,500	101.84	11	00	00	
104	7/16/2014	26 LAMPREY LANE	28-03-1000	\$372,534	\$287,900	\$287,900	77.28	11	00	00	
105	7/16/2014	4 SPRUCE DRIVE	10-05-0069	\$27,000	\$33,300	\$33,400	123.33	18	00	00	37 Financial Entity as Grantor/Grantee
106	7/16/2014	274 LEE HOOK ROAD	33-01-0200	\$363,000	\$336,300	\$340,000	92.64	11	00	00	
109	7/18/2014	26 JACOB LANE	20-04-1000	\$242,000	\$238,100	\$238,100	98.39	11	00	00	37 Financial Entity as Grantor/Grantee
110	7/21/2014	32 DUFF THOMPSON LANE	26-11-5303	\$182,400	\$170,000	\$170,400	93.2	11	00	00	
111	7/23/2014	44 BIRCH HILL ROAD	24-02-0500	\$240,000	\$301,000	\$299,900	125.42	11	00	00	
112	7/25/2014	5 TOON LANE	29-03-1200	\$385,000	\$361,300	\$361,300	93.84	12	00	00	

LEE DRA 2014 EQUALIZATION DATA LISTING - 11-10-14.xls

Verno	Sale Date	Address	Map Lot	Verified Price	Current Assed	Previous Assed	Ratio	Prop Code	Mod Code	Special Code	XCode1
113	7/29/2014	41 KELSEY ROAD	19-04-0000	\$780,000	\$638,600	\$638,600	81.87	11	00	00	90 RSA 79-A Current Use
114	7/30/2014	64 FOX GARRISON ROAD	19-06-0800	\$427,000	\$194,000	\$72,000	45.43	11	00	00	15 Improvements +/- Incomplete at Assmt ----
115	7/31/2014	71 CALEF HIGHWAY	04-07-0600	\$300,000	\$270,000	\$270,000	90	33	00	00	
118	8/5/2014	33 SNELL ROAD	05-06-0300	\$371,000	\$320,200	\$320,200	86.31	11	00	00	37 Financial Entity as Grantor/Grantee
119	8/12/2014	42 WEDNESDAY HILL ROAD	28-03-0300	\$236,000	\$244,500	\$244,500	103.6	11	00	00	
123	8/20/2014	224 NORTH RIVER ROAD	25-06-0300	\$253,000	\$304,200	\$304,200	120.24	11	00	00	
124	8/25/2014	1 CAPTAIN PARKER DRIVE	09-05-0100	\$320,000	\$295,800	\$295,800	92.44	11	00	00	
125	8/26/2014	33 SNELL ROAD	05-06-0300	\$376,000	\$320,200	\$320,200	85.16	11	00	00	37 Financial Entity as Grantor/Grantee
127	9/2/2014	5 DARBY FIELD COMMON	25-04-0000	\$2,184,000	\$1,627,600	\$1,627,600	74.52	33	00	00	40 Business Affiliates as Grantor/Grantee
128	9/11/2014	18 DEMERITT AVENUE	19-07-0000	\$236,250	\$242,400	\$242,400	102.6	12	00	00	35 Government Agency as Grantor/Grantee
130	9/18/2014	590 CALEF HIGHWAY	24-10-0000	\$114,934	\$148,500	\$148,500	129.21	14	00	00	
133	9/22/2014	46 NORTHSIDE ROAD	11-04-1400	\$168,000	\$163,600	\$163,600	97.38	11	70	00	
134	9/22/2014	18 LANGELLEY DRIVE	10-01-0107	\$150,000	\$154,700	\$154,700	103.13	14	00	00	
135	9/29/2014	38 SWAAN DRIVE	09-10-0019	\$189,000	\$168,600	\$168,600	89.21	14	00	00	



2014 Trial Ratio Study Report

11/10/2014 8:54:59 AM

Town Name: Lee, Strafford County

Use Code: AA - Any & All

Date Range: 10-01-2013 through 09-30-2014

NOT FOR PUBLICATION

Ratios were created using stipulated year assessments.

Summary of Codes Used

Group Class: AA - Any & All

Property Codes: 11 = Single Family Home
 12 = Multi Family 2-4 Units
 14 = Single Res Condo Unit
 18 = Mfg Housing Without Land
 22 = Residential Land
 26 = Mixed Use Cmcl/Ind Land
 33 = Commercial L&B

Modifier Codes: 00 = No Modifier Code
 70 = Waterfront

Special Codes: 00 = No Special Code

Indicated Ratio / Weighted Mean			
Year	2014	2013	2012
Indicated Ratio	96.3	99.6	100
Weighted Mean	96.3	99.6	102.7

Basic Statistics Section (Not Trimmed)

Sales In Date Range	Sales Used	Results
Total: 73 XX Moved: 0 Sales w/PA34: 51 %Sales w/PA34: 69.9%	Total Strata: 73 Sales Used: 47 %Sales Used: 64.4% Sales Used w/PA34: 34 %Sales Used w/PA34: 72.3%	%Mean: 98.7% %Median: 96.8% %WtMean: 96.4% COD (Median): 9.4 PRD: 1.02

Extended Statistics Section (Trimmed)

Town Code: 121	Weighted Mean: 96.3	COD: 8.7	PRD: 1.02
Valid Sales: 47	Wt.Mean Lo 90%CI: 93.6	COD Lo 90%CI: 7.2	PRD Lo 90%CI: 1.00
Trimmed: 1	Wt.Mean Up 90%CI: 98.8	COD Up 90%CI: 11.3	PRD Up 90%CI: 1.03
Untrimmed: 46	Median Ratio: 96.8	Weighted COD: 7.8	COV: 11.7
Trim Factor: 3	Median Lo 90%CI: 92.6	Med. Abs. Dev.: 8.6	25th Percentile: 91.3
Lo Trim Point: 77.3	Median Up 90%CI: 100.2	Med % Dev.: 8.9	75th Percentile: 103.3
Up Trim Point: 129.2	Mean Ratio: 97.8	Coef. Conc. 10%: 70.2	Broaden Median: 96.8
Min Ratio: 77.3	Mean Lo 90%CI: 95.4	Coef. Conc. 15%: 87.2	Geometric Mean: 97.2
Max Ratio: 140.3	Mean Up 90%CI: 100.9	Coef. Conc. 20%: 89.4	Harmonic Mean: 96.6



2014 Trial Ratio Study Report

11/10/2014 8:54:59 AM

Town Name: Lee, Strafford County

Use Code: AA - Any & All

Date Range: 10-01-2013 through 09-30-2014

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Min Sale \$:	\$30,000	Avg. Sale Price:	\$299,465	Coef. Conc. 50%:	100	Std. Deveation:	11.4
Max Sale \$:	\$2,073,000	Avg. Appraised Val:	\$288,428	Coef. Conc. 100%:	100	Normality Test:	Accept

The general descriptive and median ratio statistics are not trimmed of outliers and are based on all valid sales in the sample.

Summary of Exclusion Codes Used

Codes	Description	Count	%Excluded	%Strata
00	Investigation in Progress	1	3.8	2.1
15	Improvements +/- Incomplete at Assmt date	1	3.8	2.1
17	L/B Assessment - L/O Sale	1	3.8	2.1
21	MPC - Can Be Sold Separately	2	7.7	4.3
24	Sale Between owners of Abutting Prop	1	3.8	2.1
35	Government Agency as Grantor/Grantee	2	7.7	4.3
37	Financial Entity as Grantor/Grantee	7	26.9	14.9
38	Family/Relatives/Affil as Grantor/Grantee	1	3.8	2.1
40	Business Affiliates as Grantor/Grantee	1	3.8	2.1
90	RSA 79-A Current Use	6	23.1	12.8
99	Unclassified Exclusion	3	11.5	6.4
		26	99.7	55.3

Included Sales

Verno	Book Page	Sale Price	Assessed Value	Ratio	PC	MC	SC	Trim	Notes
2	4169-0836	\$367,534	\$323,900	88.1	11				
3	4170-0220	\$287,534	\$289,700	100.8	11				
7	4172-0568	\$288,534	\$283,600	98.3	11				
10	4173-0197	\$194,000	\$194,300	100.2	11	70			
13	4174-0577	\$750,000	\$613,200	81.8	11				
17	4176-0058	\$160,000	\$160,300	100.2	14				
26	4181-0701	\$52,000	\$54,000	103.8	18				
27	4181-0972	\$416,000	\$350,100	84.2	11				



2014 Trial Ratio Study Report

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11/10/2014 8:54:59 AM

Town Name: Lee, Strafford County

Use Code: AA - Any & All

Date Range: 10-01-2013 through 09-30-2014

NOT FOR PUBLICATION

Ratios were created using stipulated year assessments.

Included Sales

Verno	Book Page	Sale Price	Assessed Value	Ratio	PC	MC	SC	Trim	Notes
28	4182-0208	\$245,000	\$214,800	87.7	11				
38	4189-0586	\$227,000	\$235,000	103.5	12				
46	4192-0835	\$168,400	\$153,800	91.3	11				
48	4192-0937	\$163,934	\$149,100	91	11				
49	4193-0426	\$290,000	\$314,300	108.4	11				
50	4194-0541	\$30,000	\$42,100	140.3	18			Yes	
53	4195-0909	\$160,000	\$205,600	128.5	11				
58	4198-0186	\$170,000	\$160,900	94.6	11				
62	4199-0753	\$245,000	\$264,800	108.1	11				
63	4202-0158	\$272,534	\$286,900	105.3	12				
68	4204-0897	\$212,000	\$215,600	101.7	11				
69	4205-0038	\$164,000	\$167,100	101.9	11	70			
74	4206-0946	\$226,534	\$196,100	86.6	11				
75	4207-0305	\$197,534	\$180,400	91.3	11				
76	4208-0859	\$230,000	\$209,800	91.2	11				
79	4209-0549	\$230,000	\$251,100	109.2	11				
88	4214-0384	\$220,000	\$182,100	82.8	11				
89	4214-0832	\$267,534	\$250,300	93.6	11				
90	4214-0917	\$220,000	\$213,500	97	11				
91	4215-0988	\$424,934	\$391,800	92.2	11				
92	4216-0381	\$2,073,000	\$2,048,200	98.8	33				
93	4216-0813	\$259,934	\$251,500	96.8	12				
96	4218-0806	\$375,000	\$342,400	91.3	11				
100	4224-0230	\$305,000	\$291,900	95.7	11				
101	4225-0175	\$210,000	\$178,700	85.1	11				
103	4227-0762	\$428,600	\$436,500	101.8	11				
104	4227-1022	\$372,534	\$287,900	77.3	11				



2014 Trial Ratio Study Report

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11/10/2014 8:54:59 AM

Town Name: Lee, Strafford County

Use Code: AA - Any & All

Date Range: 10-01-2013 through 09-30-2014

NOT FOR PUBLICATION

Ratios were created using stipulated year assessments.

Included Sales

Verno	Book Page	Sale Price	Assessed Value	Ratio	PC	MC	SC	Trim	Notes
106	4228-0196	\$363,000	\$336,300	92.6	11				
110	4229-0333	\$182,400	\$170,000	93.2	11				
111	4229-0695	\$240,000	\$301,000	125.4	11				
112	4230-0197	\$385,000	\$361,300	93.8	12				
115	4231-0785	\$300,000	\$270,000	90	33				
119	4234-0338	\$236,000	\$244,500	103.6	11				
123	4236-0431	\$253,000	\$304,200	120.2	11				
124	4237-0460	\$320,000	\$295,800	92.4	11				
130	4243-0233	\$114,934	\$148,500	129.2	14				
133	4243-0753	\$168,000	\$163,600	97.4	11	70			
134	4243-0846	\$150,000	\$154,700	103.1	14				
135	4245-0608	\$189,000	\$168,600	89.2	14				

Excluded Sales

Verno	Book Page	Sale Price	Assessed Vaue	Ratio	PC	MC	SC	EX	Notes
1	4169-0130	\$105,000	\$138,800	132.2	11			37	Financial Entity as Grantor/Grantee
5	4171-0439	\$109,000	\$194,000	178	11			17	L/B Assessment - L/O Sale
8	4173-0069	\$5,000	\$327,200	6544	11			99	Unclassified Exclusion DEED IS FOR CORRECTION FOR 2012 PURCHASE PRICE
12	4174-0046	\$100,000	\$307,000	307	22			35	Government Agency as Grantor/Grantee
21	4178-0567	\$12,534	\$21,700	173.1	18			00	Investigation in Progress ???
31	4185-0554	\$215,000	\$250,000	116.3	11	70		99	Unclassified Exclusion SHORT SALE
34	4186-0234	\$33,934	\$33,300	98.1	18			37	Financial Entity as Grantor/Grantee
36	4189-0447	\$500,000	\$306,800	61.4	26			21	MPC - Can Be Sold Separately sold with verno #39 - which are the individual mobile homes
39	4189-0872	\$400,000	\$490,100	122.5	18			21	MPC - Can Be Sold Separately also sold with verno #36 which is mh park land



2014 Trial Ratio Study Report

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11/10/2014 8:54:59 AM

Town Name: Lee, Strafford County

Use Code: AA - Any & All

Date Range: 10-01-2013 through 09-30-2014

NOT FOR PUBLICATION

Ratios were created using stipulated year assessments.

Excluded Sales

Verno	Book Page	Sale Price	Assessed Vaue	Ratio	PC	MC	SC	EX	Notes
40	4189-0897	\$250,000	\$324,500	129.8	11	70		90	RSA 79-A Current Use
54	4196-0013	\$575,000	\$638,600	111.1	11			90	RSA 79-A Current Use
78	4209-0518	\$31,000	\$90,100	290.6	22	70		24	Sale Between owners of Abutting Prop
80	4210-0433	\$199,800	\$262,500	131.4	11			90	RSA 79-A Current Use
81	4210-0857	\$1,030,000	\$1,033,100	100.3	11	70		90	RSA 79-A Current Use
82	4210-0876	\$80,000	\$91,300	114.1	22	70		90	RSA 79-A Current Use AOLS SOLD AS PACKAGE WITH Verno #81
97	4219-0741	\$425,000	\$176,000	41.4	11			99	Unclassified Exclusion OUTLIER - RESIDENTIAL PROPERTY PURCHASED FOR CONVERSION TO COMMERCIAL. ADJACENT TO NEWER DUNKIN DONUTS
98	4221-0357	\$620,000	\$835,100	134.7	11	70		38	Family/Relatives/Affil as Grantor/Grantee
102	4227-0415	\$180,000	\$227,800	126.6	11			37	Financial Entity as Grantor/Grantee
105	4228-0107	\$27,000	\$33,300	123.3	18			37	Financial Entity as Grantor/Grantee
109	4229-0019	\$242,000	\$238,100	98.4	11			37	Financial Entity as Grantor/Grantee
113	4231-0124	\$780,000	\$638,600	81.9	11			90	RSA 79-A Current Use
114	4231-0182	\$427,000	\$194,000	45.4	11			15	Improvements +/- Incomplete at Assmt date
118	4232-0822	\$371,000	\$320,200	86.3	11			37	Financial Entity as Grantor/Grantee
125	4237-0795	\$376,000	\$320,200	85.2	11			37	Financial Entity as Grantor/Grantee
127	4239-0179	\$2,184,000	\$1,627,600	74.5	33			40	Business Affiliates as Grantor/Grantee
128	4241-0632	\$236,250	\$242,400	102.6	12			35	Government Agency as Grantor/Grantee

2014
EQUALIZATION
MUNICIPAL ASSESSMENT DATA
CERTIFICATE



MUNICIPALITY: LEE

We the undersigned do hereby certify that the assessment and sales information provided by us on the NH Mosaic Equalization System has been thoroughly reviewed by this Board and is complete and accurate to the best of our knowledge.

We understand that this information will be used by the NH Department of Revenue Administration to calculate the municipality's equalization ratio. The equalization ratio will be used to calculate the total equalized valuation for this municipality.

SIGNATURE OF SELECTMEN/ASSESSORS
(Must be signed by a majority)

DATE

_____	_____
_____	_____
_____	_____
_____	_____

NAME OF CONTACT PERSON: _____ EMAIL: _____

OFFICE PHONE NUMBER: _____ OFFICE HOURS: _____

(Note: If your office keeps irregular hours, please provide an alternate means of contacting you.)

Full Reval Cyclical Reval Cyclical In Progress Partial Update/Statistical
(values updated)

(Please check appropriate box, if applicable)

NAME OF COMPANY DOING REVALUATION WORK: _____
(Please state if done in-house)

COMMENTS: _____

Our Municipal Assessment Data was filed on-line. It is our understanding that changes may need to be made to the on-line information. In order to expedite the process of setting our ratio, we request that the Equalization Bureau staff data enter these changes on our behalf.

NAME: _____

SIGNATURE: _____ DATE: _____

Vacation Request and Approval Form for Department Heads

Date: Nov. 17, '19

From: *Kevin W. Rice*
 Department Head Name

To: **Board of Selectmen, Town of Lee, NH**

Please indicate below the dates you are requesting for your vacation period.

From			To		
<u>12</u>	<u> 11</u>	<u> 14</u>	<u>12</u>	<u> 15</u>	<u> 14</u>
<u> </u>	<u> </u>		<u> </u>	<u> </u>	
<u> </u>	<u> </u>		<u> </u>	<u> </u>	

Please indicate below your available vacation time.

Vacation Time Available In Hours/Days	Vacation Time Taken in Last 12 Months in Hours/Days
<u>240/30</u>	<u>8/1</u>

Vacation is approved/disapproved.

 David Cedarholm
 Chairman

 Carole Dennis

 Scott Bugbee

Board of Selectmen

ABATEMENT RECOMMENDATION

TO: Select Board
Town of Lee

FROM: Scott P. Marsh, CNHA
Municipal Resources
Contracted Assessor's Agents

DATE: November 19, 2014

RE: Robert Thompson
Alison Cizowski
18 Mount Pleasant Avenue
Wakefield, MA 01880

Property Tax Map 30 Lot 6
Address: Tuttle Road

Tax Year: 2014
Assessment: \$146

The subject is a vacant parcel. The reason for the recommendation is due to corrections in State current use pricing, the assessment decreased which resulted in an overpayment. As such is recommended that an abatement in the amount of \$15 be granted.

Abatement Granted

Abatement Denied

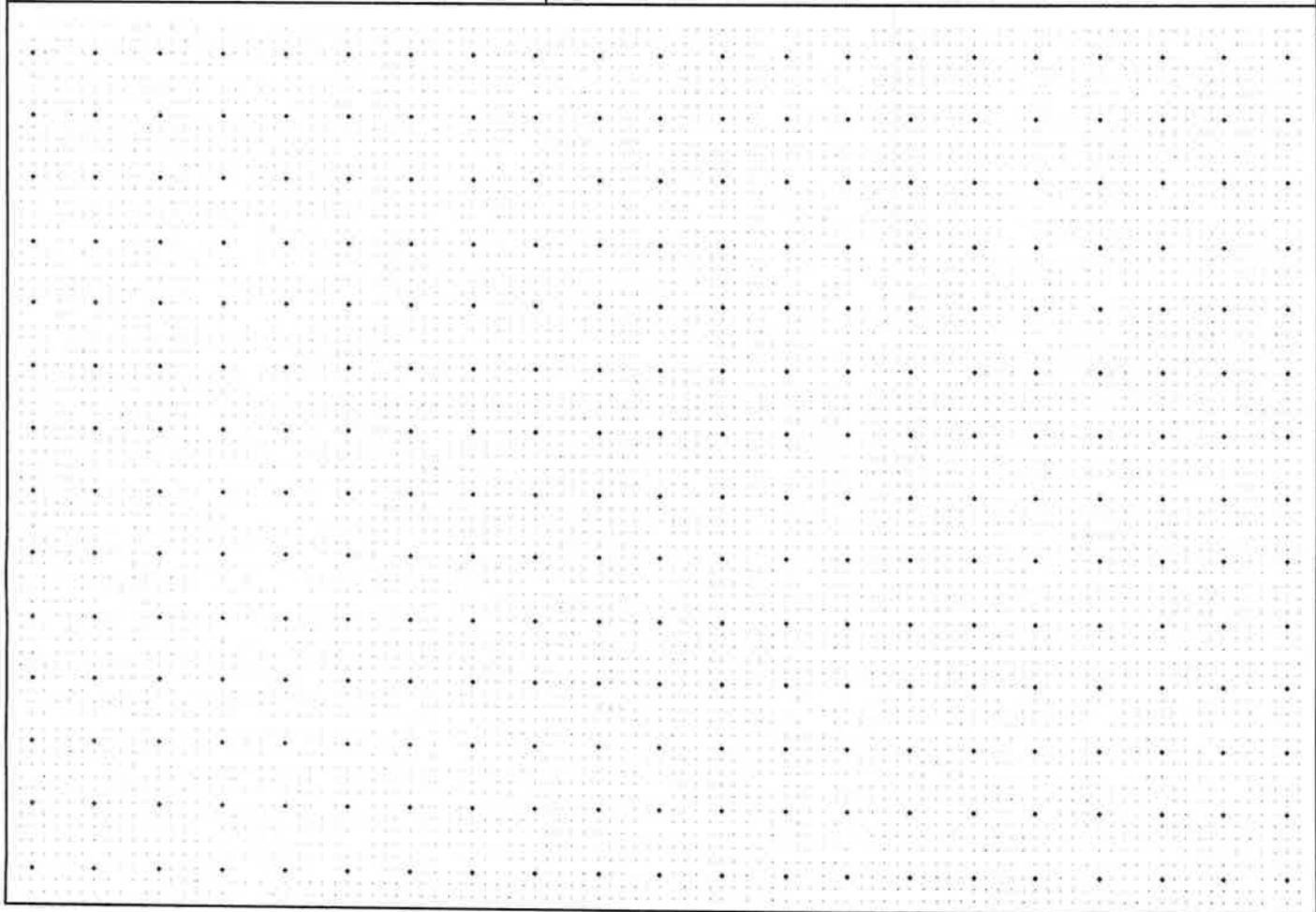
Dated _____

OWNER INFORMATION	SALES HISTORY	PICTURE																		
THOMPSON, ROBERT CIZOWSKI, ALISON 18 MOUNT PLEASANT AVENUE WAKEFIELD, MA 01880-3419	<table border="1"> <thead> <tr> <th>Date</th> <th>Book</th> <th>Page</th> <th>Type</th> <th>Price</th> <th>Grantor</th> </tr> </thead> <tbody> <tr> <td>07/31/2014</td> <td>4238</td> <td>92</td> <td>U V 38</td> <td></td> <td>THOMPSON, ROBERT</td> </tr> <tr> <td>08/29/1974</td> <td>951</td> <td>404</td> <td>Q V</td> <td></td> <td>1 SEE DEED</td> </tr> </tbody> </table>	Date	Book	Page	Type	Price	Grantor	07/31/2014	4238	92	U V 38		THOMPSON, ROBERT	08/29/1974	951	404	Q V		1 SEE DEED	
Date	Book	Page	Type	Price	Grantor															
07/31/2014	4238	92	U V 38		THOMPSON, ROBERT															
08/29/1974	951	404	Q V		1 SEE DEED															
LISTING HISTORY	NOTES																			
09/24/11 JHIR 2011 REVAL - INFORMAL RV 10/25/10 JS 1/4 - EXT 08/08/03 BHHC 07/08/02 JDRL 08/08/87 IH	VACANT; WOODED; 1620' LAMPREY RIVERFRONT 10-10 N/C. 11 RVW; ADDED MARKET VALUE LAND ADJ.																			

EXTRA FEATURES VALUATION										MUNICIPAL SOFTWARE BY AVITAR																																			
Feature Type	Units	Lngh	x Width	Size Adj	Rate	Cond	Market Value	Notes	<i>LEE ASSESSING OFFICE</i>																																				
										<table border="1"> <thead> <tr> <th colspan="4">PARCEL TOTAL TAXABLE VALUE</th> </tr> <tr> <th>Year</th> <th>Building</th> <th>Features</th> <th>Land</th> </tr> </thead> <tbody> <tr> <td>2012</td> <td>\$ 0</td> <td>\$ 0</td> <td>\$ 1,375</td> </tr> <tr> <td colspan="3"></td> <td>Parcel Total: \$ 1,375</td> </tr> <tr> <td>2013</td> <td>\$ 0</td> <td>\$ 0</td> <td>\$ 1,326</td> </tr> <tr> <td colspan="3"></td> <td>Parcel Total: \$ 1,326</td> </tr> <tr> <td>2014</td> <td>\$ 0</td> <td>\$ 0</td> <td>\$ 146</td> </tr> <tr> <td colspan="3"></td> <td>Parcel Total: \$ 146</td> </tr> </tbody> </table>				PARCEL TOTAL TAXABLE VALUE				Year	Building	Features	Land	2012	\$ 0	\$ 0	\$ 1,375				Parcel Total: \$ 1,375	2013	\$ 0	\$ 0	\$ 1,326				Parcel Total: \$ 1,326	2014	\$ 0	\$ 0	\$ 146				Parcel Total: \$ 146
PARCEL TOTAL TAXABLE VALUE																																													
Year	Building	Features	Land																																										
2012	\$ 0	\$ 0	\$ 1,375																																										
			Parcel Total: \$ 1,375																																										
2013	\$ 0	\$ 0	\$ 1,326																																										
			Parcel Total: \$ 1,326																																										
2014	\$ 0	\$ 0	\$ 146																																										
			Parcel Total: \$ 146																																										

LAND VALUATION															
Zone:	RES	Minimum Acreage:	1.95	Minimum Frontage:	250										
Land Type	Units	Base Rate	NC	Adj	Site	Road	DWay	Topography	Cond	Ad Valorem	SPI	R	Tax Value	Notes	Road:
WETLANDS	1.950 ac	80,000	F	110	100	100	100		25	22,000	100	Y	30	UND	
WETLANDS	7.600 ac	x 4,000	X	100					50	15,200	100	Y	116	WET	
WETLANDS	750.000 ff	x 105	F	110					25	21,700	0	N	0	L USE	
WETLANDS	1.000 wf	x 30,000	X	100					50	15,000	0	N	0	WF	
	9.550 ac									73,900			146		

PICTURE	OWNER	TAXABLE DISTRICTS		BUILDING DETAILS		
	THOMPSON, ROBERT CIZOWSKI, ALISON 18 MOUNT PLEASANT AVENUE WAKEFIELD, MA 01880-3419	District	Percentage	Model:	Roof:	
			Ext:	Int:		
			Floor:	Heat:		
PERMITS				Bedrooms:	Baths:	Fixtures:
Date	Project ID	Permit Type	Notes	Extra Kitchens:	Fireplaces:	
				A/C:	Generators:	
				Quality:	Com. Wall:	
				Stories:	Base Type:	



BUILDING SUB AREA DETAILS

2011 BASE YEAR BUILDING VALUATION
Year Built:
Condition For Age:
Physical:
Functional:
Economic:
Temporary:

ABATEMENT RECOMMENDATION

TO: Select Board
Town of Lee

FROM: Scott P. Marsh, CNHA
Municipal Resources
Contracted Assessor's Agents

DATE: November 19, 2014

RE: Frank and Linda LaFogg
20 North Main Street
Newmarket, NH 03857

Property Tax Map 28 Lot 1-E
Address: Lot e Ferndale Acres

Tax Year: 2014
Assessment: \$5,700

The subject is a camper on a rented site. The reason for the recommendation is due to property being removed. However as the correction was not applied until after the first issue tax bill, there was an overpayment. As such is recommended that an abatement in the amount of \$82 be granted.

Abatement Granted

Abatement Denied

Dated _____

OWNER INFORMATION			SALES HISTORY					PICTURE					
LAFOGG, FRANK & LINDA 20 NORTH MAIN STREET NEWMARKET, NH 03857			<u>Date</u>	<u>Book</u>	<u>Page</u>	<u>Type</u>	<u>Price</u>	<u>Grantor</u>					
LISTING HISTORY			NOTES										
09/22/14	JQ	REMOVE	LIST CAMPER - DUTCHMEN CLASSIC - LAFOGGS. 12/13- PER LIST ADD OWNER/ ADDRESS FOR 2014. CAMPER REMOVED SEPT 2013. 5/14-SITE IS INDEED VACANT, WILL NEED TO ABATE 2014 BILLING. 9/14-REMOVED VALUE FOR FINAL ISSUE 2014 BILLING, NEED TO ABATE 1ST BILLING.										
05/19/14	JQ	EXTERIOR											
12/16/13	JQ	OWNER/ADDRESS											
04/09/13	JQ												
EXTRA FEATURES VALUATION										MUNICIPAL SOFTWARE BY AVITAR			
<u>Feature Type</u>	<u>Units</u>	<u>Lngh x Width</u>	<u>Size Adj</u>	<u>Rate</u>	<u>Cond</u>	<u>Market Value</u>	<u>Notes</u>	LEE ASSESSING OFFICE					
ADJUST	1		100	-5,700.00	100	-5,700							
										PARCEL TOTAL TAXABLE VALUE			
<u>Year</u>	<u>Building</u>	<u>Features</u>	<u>Land</u>										
2013	\$ 5,700	\$ 0	\$ 0	Parcel Total: \$ 5,700									
2014	\$ 5,700	-\$ 5,700	\$ 0	Parcel Total: \$ 0									
LAND VALUATION													
Zone: RES	Minimum Acreage: 1.95	Minimum Frontage: 250							Site:	Driveway:	Road:		
<u>Land Type</u>	<u>Units</u>	<u>Base Rate</u>	<u>NC</u>	<u>Adj</u>	<u>Site</u>	<u>Road</u>	<u>DWay</u>	<u>Topography</u>	<u>Cond</u>	<u>Ad Valorem</u>	<u>SPI R</u>	<u>Tax Value</u>	<u>Notes</u>
IF RES	0		E										
	0 ac												

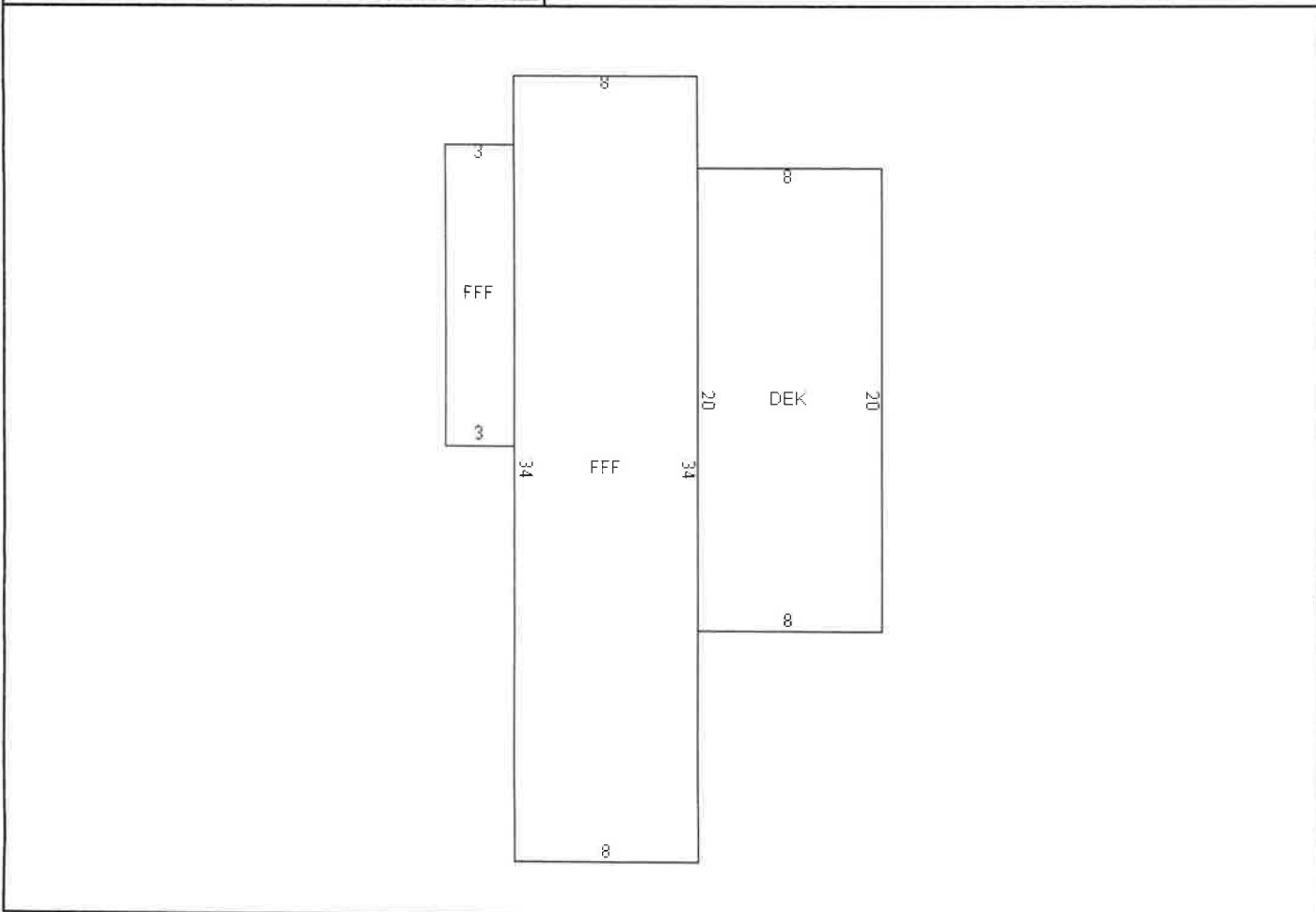


OWNER
LAFOGG, FRANK & LINDA
 20 NORTH MAIN STREET
 NEWMARKET, NH 03857

TAXABLE DISTRICTS	
District	Percentage

BUILDING DETAILS
 Model: **1 STORY FRAME CAMPER**
 Roof: **FLAT/ROLLED/COMPO**
 Ext: **AVERAGE**
 Int: **AVERAGE FOR USE**
 Floor: **LINOLEUM OR SIM**
 Heat: **GAS/FA NO DUCTS**
 Bedrooms: Baths: **1.0** Fixtures:
 Extra Kitchens: Fireplaces:
 A/C: **Yes 100.00 %** Generators:
 Quality: **A0 AVG**
 Com. Wall:
 Size Adj: **1.5257** Base Rate: **RCM 20.00**
 Bldg. Rate: **1.2358**
 Sq. Foot Cost: **\$ 24.72**

PERMITS			
Date	Project ID	Permit Type	Notes



BUILDING SUB AREA DETAILS				
ID	Description	Area	Adj.	Effect.
FFF	FST FLR FIN	311	1.00	311
DEK	DECK/ENTRANCE	160	0.10	16
		471		327

2011 BASE YEAR BUILDING VALUATION	
Market Cost New:	\$ 8,083
Year Built:	1994
Condition For Age:	AVERAGE 30 %
Physical:	
Functional:	
Economic:	
Temporary:	
Total Depreciation:	30 %
Building Value:	\$ 5,700

ABATEMENT RECOMMENDATION

TO: Select Board
Town of Lee

FROM: Scott P. Marsh, CNHA
Municipal Resources
Contracted Assessor's Agents

DATE: November 19, 2014

RE: Darren Rankin
Lori Lapolla
154 Fuller Street
Everett, MA 02149

Property Tax Map 28 Lot 1-5
Address: Lot 5 Ferndale Acres

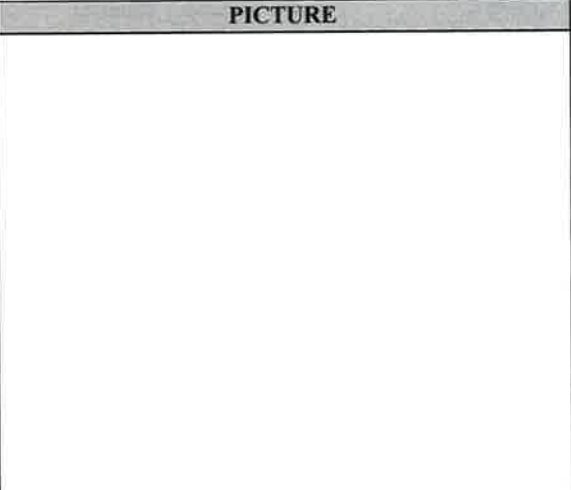
Tax Year: 2014
Assessment: \$6,400

The subject is a camper on a rented site. The reason for the recommendation is due to property being removed. However as the correction was not applied until after the first issue tax bill, there was an overpayment. As such is recommended that an abatement in the amount of \$82 be granted.

Abatement Granted

Abatement Denied

Dated _____

OWNER INFORMATION			SALES HISTORY				PICTURE												
RANKIN, DARREN LAPOLLA, LORI 154 FULLER ST EVERETT, MA 02149-1104			<table border="1"> <thead> <tr> <th>Date</th> <th>Book</th> <th>Page</th> <th>Type</th> <th>Price</th> <th>Grantor</th> </tr> </thead> <tbody> <tr> <td colspan="6"> </td> </tr> </tbody> </table>				Date	Book	Page	Type	Price	Grantor							
Date	Book	Page	Type	Price	Grantor														
LISTING HISTORY			NOTES																
05/27/14 STM 1/4-EXT 04/29/13 JQ LIST CAMPER			4/13- LIST CAMPER - FOREST RIVER MNF. 2008. 5/14-REMOVE TRAILER 09-14 NEW OWNER - RECK 2015 FOR TRAILER																

EXTRA FEATURES VALUATION								MUNICIPAL SOFTWARE BY AVITAR																														
<table border="1"> <thead> <tr> <th>Feature Type</th> <th>Units</th> <th>Lngh</th> <th>x Width</th> <th>Size Adj</th> <th>Rate</th> <th>Cond</th> <th>Market Value</th> <th>Notes</th> </tr> </thead> <tbody> <tr> <td>ADJ</td> <td>-6,400</td> <td></td> <td></td> <td>100</td> <td>1.00</td> <td>100</td> <td>-6,400</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-6,400</td> <td></td> </tr> </tbody> </table>								Feature Type	Units	Lngh	x Width	Size Adj	Rate	Cond	Market Value	Notes	ADJ	-6,400			100	1.00	100	-6,400									-6,400		LEE ASSESSING OFFICE			
Feature Type	Units	Lngh	x Width	Size Adj	Rate	Cond	Market Value	Notes																														
ADJ	-6,400			100	1.00	100	-6,400																															
							-6,400																															
PARCEL TOTAL TAXABLE VALUE																																						
Year		Building		Features		Land																																
2013		\$ 6,400		\$ 0		\$ 0		Parcel Total: \$ 6,400																														
2014		\$ 6,400		-\$ 6,400		\$ 0		Parcel Total: \$ 0																														

LAND VALUATION													
Zone: RES		Minimum Acreage: 1.95		Minimum Frontage: 250		Site: AVERAGE				Driveway:		Road:	
Land Type		Units		Base Rate		NC Adj		Site Road DWay Topography		Cond Ad Valorem SPI R		Tax Value Notes	
IF RES		0		E									
		0 ac											

ABATEMENT RECOMMENDATION

TO: Select Board
Town of Lee

FROM: Scott P. Marsh, CNHA
Municipal Resources
Contracted Assessor's Agents

DATE: November 19, 2014

RE: James Arsenault
15 Wonderland Ave
Saugus, MA 01906

Property Tax Map 12 Lot 1-WF3
Address: WF3 Forest Glen

Tax Year: 2014
Assessment: \$5,100

The subject is a camper on a rented site in Forest Glen Campground. The reason for the recommendation is due to property being registered it is not taxable. As such is recommended that an abatement in the amount of \$73 be granted.

Abatement Granted

Abatement Denied

Dated _____

OWNER INFORMATION			SALES HISTORY					PICTURE
ARSENAULT, JAMES 15 WONDERLAND AVE SAUGUS, MA 01906			<u>Date</u>	<u>Book</u>	<u>Page</u>	<u>Type</u>	<u>Price</u>	<u>Grantor</u>
LISTING HISTORY			NOTES					
03/05/13	JQ	LIST CAMPER	3/13- LIST CAMPER - FOREST RIVER MNF. 2002. I PLASTIC SHED N/V. 05-14 OWNERSHIP LISTED 06-14 REGISTERRED					

EXTRA FEATURES VALUATION								MUNICIPAL SOFTWARE BY AVITAR				
<u>Feature Type</u>	<u>Units</u>	<u>Length</u>	<u>Width</u>	<u>Size Adj</u>	<u>Rate</u>	<u>Cond</u>	<u>Market Value</u>	<u>Notes</u>	LEE ASSESSING OFFICE			
ADJ	1			100	-5,100.00	100	-5,100					
								PARCEL TOTAL TAXABLE VALUE				
									<u>Year</u>	<u>Building</u>	<u>Features</u>	<u>Land</u>
									2013	\$ 5,100	\$ 0	\$ 0
									Parcel Total: \$ 5,100			
									2014	\$ 5,100	-\$ 5,100	\$ 0
									Parcel Total: \$ 0			

LAND VALUATION															
Zone: RES	Minimum Acreage: 1.95	Minimum Frontage: 250											Site: AVERAGE	Driveway:	Road:
<u>Land Type</u>	<u>Units</u>	<u>Base Rate</u>	<u>NC</u>	<u>Adj</u>	<u>Site</u>	<u>Road</u>	<u>DWay</u>	<u>Topography</u>	<u>Cond</u>	<u>Ad Valorem</u>	<u>SPI</u>	<u>R</u>	<u>Tax Value</u>	<u>Notes</u>	
IF RES	0		E												
0 ac															

ABATEMENT RECOMMENDATION

TO: Select Board
Town of Lee

FROM: Scott P. Marsh, CNHA
Municipal Resources
Contracted Assessor's Agents

DATE: November 19, 2014

RE: Richard Boisvert
10 Pinecrest Estates
Lee, NH 03861

Property Tax Map 4 Lot 6-308
Address: 10 Pinecrest Estates

Tax Year: 2014
Assessment: \$16,500

The subject is a manufactured home on a rented site. The reason for the recommendation is due to property owner being qualified and granted a veteran tax credit. However as the credit was applied after the first issue tax bill, there was an overpayment. As such is recommended that an abatement in the amount of \$49.50 be granted.

Abatement Granted

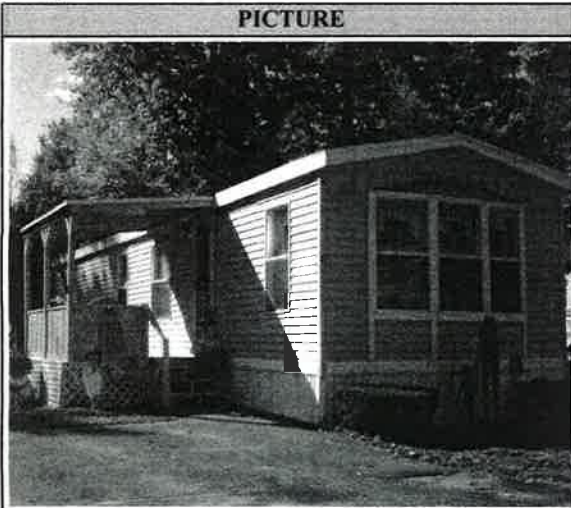
Abatement Denied

Dated _____

OWNER INFORMATION	SALES HISTORY	PICTURE												
BOISVERT, RICHARD BOISVERT, DARLENE 10 PINECREST ESTATES LEE, NH 03861-6735	<table border="1"> <thead> <tr> <th>Date</th> <th>Book</th> <th>Page</th> <th>Type</th> <th>Price</th> <th>Grantor</th> </tr> </thead> <tbody> <tr> <td>08/26/1992</td> <td>1629</td> <td>077</td> <td>Q I</td> <td>14,850</td> <td>MURPHY, ROBT</td> </tr> </tbody> </table>	Date	Book	Page	Type	Price	Grantor	08/26/1992	1629	077	Q I	14,850	MURPHY, ROBT	
Date	Book	Page	Type	Price	Grantor									
08/26/1992	1629	077	Q I	14,850	MURPHY, ROBT									
LISTING HISTORY	NOTES													
08/22/11 AJ 1/4 - INT 10/14/09 JS EXT 07/10/07 CRDL 01/21/03 LTRL 08/19/02 CMRM 04/29/93 GJR	LT BLUE; 1988 TITAN 470 - SER. #19-8-470-4801; 2X3 CONST; CEILING STAINS; INT GOOD FOR AGE OF HOME; PROCESS OF REDOING WINDOWS; SIDING IS A CARDBOARD BASE PAINTED, SOME AREAS BOWED BECAUSE OF WATER DAMAGE; 10/09 EXT REHAB, ADJ CNDTN, GRADE, PARK ADJ 08-11 ADJ SHED CNDTN													

EXTRA FEATURES VALUATION								MUNICIPAL SOFTWARE BY AVITAR.																							
<table border="1"> <thead> <tr> <th>Feature Type</th> <th>Units</th> <th>Lngth</th> <th>x Width</th> <th>Size Adj</th> <th>Rate</th> <th>Cond</th> <th>Market Value</th> <th>Notes</th> </tr> </thead> <tbody> <tr> <td>SHED-METAL</td> <td>48</td> <td>8</td> <td>x 6</td> <td>393</td> <td>5.00</td> <td>50</td> <td>472</td> <td></td> </tr> <tr> <td colspan="7"></td> <td style="text-align: right;">500</td> <td></td> </tr> </tbody> </table>	Feature Type	Units	Lngth	x Width	Size Adj	Rate	Cond	Market Value	Notes	SHED-METAL	48	8	x 6	393	5.00	50	472									500		LEE ASSESSING OFFICE			
Feature Type	Units	Lngth	x Width	Size Adj	Rate	Cond	Market Value	Notes																							
SHED-METAL	48	8	x 6	393	5.00	50	472																								
							500																								
								PARCEL TOTAL TAXABLE VALUE																							
		Year	Building	Features			Land																								
		2012	\$ 16,000	\$ 500			\$ 0	Parcel Total: \$ 16,500																							
		2013	\$ 16,000	\$ 500			\$ 0	Parcel Total: \$ 16,500																							
		2014	\$ 16,000	\$ 500			\$ 0	Parcel Total: \$ 16,500																							

LAND VALUATION															
Zone: RES Minimum Acreage: 1.95 Minimum Frontage: 250							Site:	Driveway:	Road:						
Land Type	Units	Base Rate	NC	Adj	Site	Road	DWay	Topography	Cond	Ad Valorem	SPI	R	Tax Value	Notes	
1F RES	0			F											
		0 ac													



OWNER
BOISVERT, RICHARD
 BOISVERT, DARLENE
 10 PINECREST ESTATES

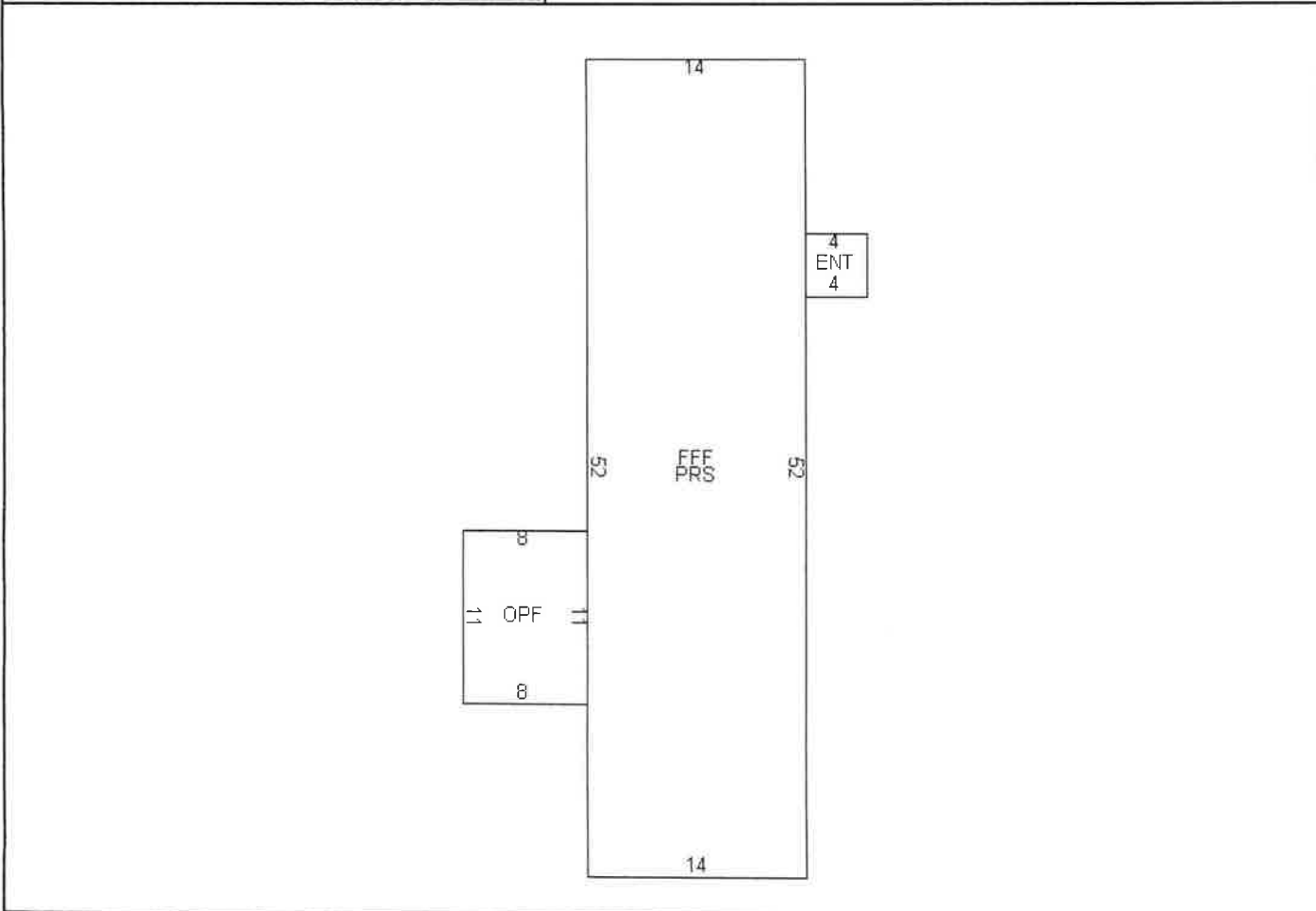
 LEE, NH 03861-6735

TAXABLE DISTRICTS	
District	Percentage

BUILDING DETAILS
 Model: **1 STORY FRAME MOBILEHOME**
 Roof: **GABLE OR HIP/ASPHALT**
 Ext: **VINYL SIDING**
 Int: **WALL BOARD**
 Floor: **CARPET/LINOLEUM OR SIM**
 Heat: **OIL/FA DUCTED**
 Bedrooms: **2** Baths: **1.0** Fixtures:
 Extra Kitchens: Fireplaces:
 A/C: **Yes 100.00 %** Generators:
 Quality: **A0 AVG**
 Com. Wall:
 Size Adj: **1.0771** Base Rate: **MHS 36.00**
 Bldg. Rate: **0.9694**
 Sq. Foot Cost: **\$ 34.90**

PERMITS

Date	Project ID	Permit Type	Notes



BUILDING SUB AREA DETAILS

ID	Description	Area	Adj.	Effect.
FFF	FST FLR FIN	728	1.00	728
PRS	PIERS	728	-0.05	-36
ENT	ENTRANCE	16	0.10	2
OPF	OPEN PORCH FIN	88	0.25	22
		1,560		716

2011 BASE YEAR BUILDING VALUATION

Market Cost New:	\$ 24,988
Year Built:	1988
Condition For Age:	AVERAGE 36 %
Physical:	
Functional:	
Economic:	
Temporary:	
Total Depreciation:	36 %
Building Value:	\$ 16,000



TOWN of LEE, NEW HAMPSHIRE
7 Mast Road, Lee, New Hampshire 03861

Request for Payment in Lieu of Vacation Time

Date 11-13-14

Dear Board of Selectmen,

Per the "Personnel Policies and Procedures Manual for Town of Lee" which was adopted in 2009,
I WARREN HATCH respectfully request vacation pay in lieu of vacation time off
(EMPLOYEE NAME)
in the month of NOV. 2014 in the amount of \$ 830.00.
(MONTH) (YR) (WEEKLY EARNINGS)

I have 327 hours/ _____ days of accrued vacation time.
(Vacation Hours) (Vacation Days)

I understand that the granting of this request is also contingent upon there being sufficient funds in the Operating Budget for this Fiscal Year.

[Signature]
Employee Signature

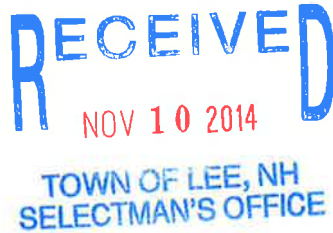
[Signature]
Department Head Signature

I have confirmed that this employee's date of hire is 10/7/97 and, as of the date of this request, has more than ten (10) years of service with the Town of Lee and receives at least fifteen (15) days of earned vacation per year.

[Signature]
Town Administrator Signature

* 2009 Town of Lee Personnel Policy, Page 13:
At the discretion of the Board of Selectmen, employees with more than ten (10) years of service who receive at least fifteen (15) days of earned vacation per year may elect to work during one (1) week of vacation and receive regular earnings as well as vacation pay. There is no other provision for an employee to cash in vacation for pay in lieu of time off. Employees having vacation accruals must submit a request in writing to the Board of Selectmen through their Department Head. Vacation time may not be taken in advance of being earned.

Chairman, David Cedarholm Selectwoman Dennis Selectman Bugbee



November 6, 2014

Board of Selectmen
Town of Lee
7 Mast Road
Lee, NH 03824

Re: Installation Rates

Dear Chairman and Members of the Board:

In keeping with our ongoing efforts to provide regular updates regarding our services, I am writing to inform you of the following changes to our installation rates which will be effective January 1, 2015:

Hourly Service Charge from \$33.20 to \$35.80
Additional Outlet (Initial Installation of Service) from \$13.35 to \$14.40
Additional Outlet (After Initial Installation of Service) from \$32.15 to \$33.20
Activate Pre-Existing Additional Outlet (Initial Installation of Service) from \$5.60 to \$6.10
Activate Pre-Existing Additional Outlet (After Initial Installation of Service) from \$22.05 to \$22.95
Relocate Additional Outlet (Initial Installation of Service) from \$13.35 to \$14.50
Relocate Additional Outlet (After Initial Installation of Service) from \$28.55 to \$30.30
Connect VCR/DVD (Initial Installation of Service) from \$7.90 to \$7.75
Connect VCR/DVD (After Initial Installation of Service) from \$16.35 to \$19.00
Upgrade of Service from \$26.30 to \$28.45
Downgrade of Service from \$12.05 to \$12.40
In-Home Service Visit (Video, per occurrence) from \$32.10 to \$37.05

Please be advised Customers are receiving notification, in advance via bill message, of these changes. Should you have any questions, please do not hesitate to contact me at 603.334.3603.

Sincerely,

Jay Somers

Jay Somers, Sr. Manager
Government & Regulatory Affairs

LEE CONSERVATION COMMISSION
Town Hall, 7 Mast Road
Lee, NH 03861

November 19, 2014

To: Lee Select Board
From: Lee Conservation Commission
Re: Resident donation

Background: Over the past several weeks, the Commission has been replacing several of the foot bridges over small streams or wetlands in the Town Forest. During one of our work sessions, a town resident, Dwayne Wrightsman, presented one of our members a cash donation of \$150 to the Commission to help defray some of the costs of the project.

Requested action: Please formally accept the donation on behalf of the Commission. (We have already thanked the donor.)

LEE CONSERVATION COMMISSION

Town Hall, 7 Mast Road
Lee, NH 03861

November 19, 2014

Mr. Dwayne Wrightsman
85 Lee Hook Road
Lee, NH 03861

Dear Mr. Wrightsman:

On behalf of the Lee Conservation Commission and the Lee Select Board, let me thank you for your very generous donation of \$150.00 to help defray the cost of rebuilding foot bridges on the trails of the Town Forest. Although we rely on volunteer labor to perform the rebuilding, we have had to purchase timber.

I'm glad that you were able to witness the reconstruction of one of the bridges when you were walking in the Town Forest last week. Your thoughtfulness of making your gift on the spot was very moving to those present.

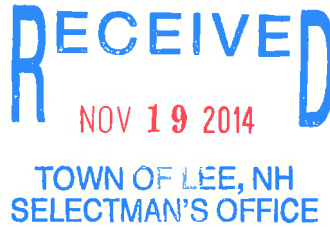
Again, thank you very much.

Sincerely,

A handwritten signature in cursive script, appearing to read "William Humm".

William Humm, Chair

Cc: Lee Select Board
Town Administrator



November 18, 2014

Board of Selectmen
Town of Lee
7 Mast Road
Lee, NH 03824

RE: *Important Information on Price Adjustments*

Dear Chairman and Members of the Board:

We are committed to constantly improving our customers' entertainment and communications experience in your community, and we continue to invest in making their services even better. As we make these and other investments, we periodically need to adjust prices due to increases we incur in programming and other business costs. Starting December 20, 2014, new prices will apply to select XFINITY TV and Internet services and equipment as reflected in the enclosed notice.

Among these price changes, we have itemized a Regional Sports Fee for customers receiving Expanded Basic and Xfinity Latino 450 service tiers and above to offset the rising costs of delivering regional sports networks. In addition, we have improved our Digital Adapter Additional Outlet service so that our Family Tier, Digital Economy, and Latino tier customers receive the same channel lineup on their primary and additional outlets. Starting December 20, 2014, the Digital Adapter Additional Outlet service fees for these customers will be \$2.99.

We are committed to providing our customers with a consistently superior experience, including 24/7 customer service and on-time arrival—or we'll credit the customer \$20 or provide a free premium channel for three months. We back up our services with the Comcast Customer Guarantee (visit www.comcast.com/guarantee for details).

We know you may have questions about these changes. If I can be of any further assistance, please contact me at 603.334.3603.

Sincerely,

Jay Somers

Jay Somers, Sr. Manager
Government & Regulatory Affairs

Enclosure

IMPORTANT Information about your XFINITY® Service

November 20, 2014

Dear Valued Customer:

Comcast is committed to keeping you informed about our products and services. Periodically, we must adjust prices due to increases in programming and business costs. **Starting December 20, 2014, the monthly price for the following services will increase as follows:**

	Current Price	New Price 12/20/2014
Blast Plus	\$84.95	\$86.95
Blast Extra Bundle	\$74.95	\$76.95
Canales Selecto	\$12.95	\$14.95
Total Premium with SET	\$61.45	\$63.95
Digital Gold	\$53.45	\$53.95
Platinum Pak	\$53.45	\$53.95

If you're receiving services on a promotional basis, under a minimum term agreement associated with a specific rate, or in the guaranteed period of one of our SurePrice™ plans as of December 13, 2014, the prices for those specific services will not be affected during the applicable period.

Thanks for being a Comcast customer.



Prices shown are for residential service only and do not include federal, state and local taxes, FCC user and franchise fees or Regulatory Recovery fees or other related costs. Prices and services are subject to change. Call 1-800-COMCAST for additional details. ©2014 Comcast.

X-35639

IMPORTANT Information about your XFINITY® Service

November 20, 2014

Dear Valued Customer:

Comcast is committed to keeping you informed about our products and services. Periodically, we must adjust prices due to increases in programming and business costs. **Starting December 20, 2014, Comcast's monthly leased modem charge will increase \$2.00. As the package you currently subscribe includes a leased modem, the price of that package will increase as follows:**

	Current Price	New Price 12/20/2014
Earthlink w/leased modem	\$53.95	\$55.95
Galaxy w/leased modem	\$56.95	\$58.95
NetOne w/leased modem	\$56.95	\$58.95

If you're receiving services on a promotional basis, under a minimum term agreement associated with a specific rate, or in the guaranteed period of one of our SurePrice™ plans as of December 13, 2014, the prices for those specific services will not be affected during the applicable period.

Thanks for being a Comcast customer.



Prices shown are for residential service only and do not include federal, state and local taxes, FCC user and franchise fees or Regulatory Recovery fees or other related costs. Prices and services are subject to change. Call 1-800-COMCAST for additional details. ©2014 Comcast.

X-35640

**NHDES WETLANDS BUREAU
PERMIT BY NOTIFICATION**

Noble Farm Commercial Park, LLC

**Route 155 - Tax Map 25, Lot 3-0
LEE, NEW HAMPSHIRE**

Prepared For:

Jim Daley
251 Calef Highway
Lee, NH 03861



Prepared By:



229 Prospect Mountain Road

Alton, NH 03809

November 2014

SRE # 13-075

*Complete
application
available
at Town Hall*

RAYMOND F. BOWER
31 RIVERSIDE FARM DRIVE
LEE, NEW HAMPSHIRE 03861
603-969-9689

November 17, 2014

Clara Kustra, Chair, Supervisor of the Checklist
Marian Kelsey, Supervisor of the Checklist
Bambi Miller, Supervisor of the Checklist
Caren Rossi, Lee Town Moderator
Richard Wellington, Lee Town Moderator
Lee Town Offices
7 Mast Road
Lee, New Hampshire 03861

Dear Ladies and Gentleman:

During the last election of November 4, 2014, I inquired about posting the final vote totals on the voting place door for public viewing after hours. This request was denied.

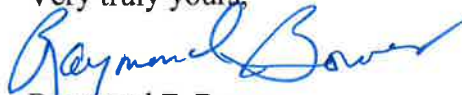
This used to be the practice in Durham; now the totals are sent by broadcast e-mail.

I have lived in Lee for nearly the last thirty (30) years and have a keen interest in election results. I don't see this practice as causing any additional time or expense. I am merely asking that after you read the election results out loud, as required by RSA 659:70, you post them on the front door of the polling locations.

I sent an inquiry to the New Hampshire Attorney General's office, which Anne M. Edwards, Associate Attorney General was kind enough to answer. She responded that there is nothing which prohibits the posting; however, you are not required to do so.

I would appreciate your consideration of my request to post the final vote totals on the voting place door after hours, for the public to view. Thank you.

Very truly yours,


Raymond F. Bower

Cc: Anne M. Edwards, Associate Attorney General
State of New Hampshire
Lee Town Administrator
Lee Board of Selectmen