

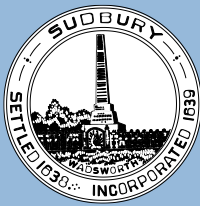
SUDBURY BOARD OF SELECTMEN
TUESDAY JUNE 19, 2018
7:00 PM, TOWN HALL - LOWER LEVEL

Item #	Time	Action	Item
	7:00 PM		CALL TO ORDER
			Opening remarks by Chairman
			Reports from Town Manager
			Reports from Selectmen
			Citizen's comments on items not on agenda
TIMED ITEMS			
1.	7:15 PM	<i>VOTE / SIGN</i>	Discussion and vote whether to sign Inter-Municipal Agreement (IMA) for Regional Housing Service Office. Elizabeth Rust, RHSO, to attend and make presentation.
MISCELLANEOUS			
2.			Discuss potential fundraising and partnership options for the Fairbank Community Center
3.			Discussion on possible purchase of 34 Barton Drive property. Mike Ensley from Park & Rec Commission to attend.
4.		<i>VOTE</i>	Discussion and vote to assign members to the Transportation Committee which was established on 4/10/18.
5.		<i>VOTE</i>	(1) Move, pursuant to M.G.L. c.268A, to approve the June 19, 2018, Conflict of Interest designations for both Regular and Special Municipal Employees as presented. (2) Move to dissolve the following Committees: Sewer Assessment Study Citizens Advisory Committee, the Sudbury Center Improvement Advisory Committee, and to thank the members for their services. (3) Move to submit an article at the next Special or Annual Town Meeting to dissolve the Committee for Preservation and Management of Town Documents.
6.			Citizen's Comments (cont.)
7.			Discuss upcoming agenda items.
CONSENT CALENDAR			

These agenda items are those reasonably anticipated by the Chair which may be discussed at the meeting. Not all items listed may in fact be discussed and other items not listed may also be brought up for discussion to the extent permitted by law.

Item #	Time	Action	Item
8.		<i>VOTE</i>	Vote to approve the regular session minutes of 5/7/18 and 5/15/18.
9.		<i>VOTE</i>	Vote to authorize Town Manager to sign Memorandum of Understanding (MOU) with the Town of Lincoln to provide bus transportation for Lincoln and Sudbury students enrolled in Minuteman High School. This commences August 28, 2018 and ends June 18, 2019. Total contract to exceed \$70,000.
10.		<i>VOTE</i>	Vote to approve award of contract for Horsley-Witten to complete Master Plan for an amount not to exceed \$160,000.
11.		<i>VOTE</i>	Vote to approve award of contract by the Town Manager to Jacobs of Boston, MA for structural engineering for the Bruce Freeman Rail Trail project as outlined in their engineering services proposal dated June 7, 2018, in the amount of \$146,700, as requested by the Town Manager.
12.		<i>VOTE</i>	Vote to approve the FY19 amendment extending the contract between the MetroWest Regional Transit Authority (RTA) and the Town of Sudbury to provide transportation services for elderly and disabled persons through the Council on Aging effective July 1, 2018, as requested by Debra Galloway, Council on Aging Director, said Agreement to be executed by the Town Manager.
13.		<i>VOTE</i>	Vote to Grant a Special Permit to the Sudbury July 4th Road Race, to hold the "Sudbury July 4th Road Race" on Wednesday July 4, 2018 from 7:00 A.M. through approximately 12:00 P.M., subject to Police Department safety requirements, Proof of Insurance Coverage and the assurance that any litter will be removed at the race's conclusion. Also, vote to approve the placement of signs announcing the July 4th Road Race at the following locations: 221 Goodman's Hill Rd, NE corner of Morse and Ridge Hill Rds., SE corner of Peakham and Old Lancaster Rds., NW corner of Hudson and Fairbank Rds., Precourt Stone Co. on Union Ave. (with their permission), Featherland Park, west side of Concord Rd. from June 22nd to July 5th, 2018, as requested by Graham R. Taylor, 221 Goodman's Hill Road.
14.		<i>VOTE</i>	Vote to approve award of contracts by the Town Manager commencing 6/19/18 through 9/4/18, including, but not limited to, DPW, COA, Park&Rec, Facilities, and Planning contracts, provided a listing is prepared and submitted to the Board of Selectmen for all contracts requiring Board advance approval which are executed by the Town Manager during said period.

These agenda items are those reasonably anticipated by the Chair which may be discussed at the meeting. Not all items listed may in fact be discussed and other items not listed may also be brought up for discussion to the extent permitted by law.



SUDBURY BOARD OF SELECTMEN

Tuesday, June 19, 2018

TIMED ITEM

1: RHSO IMA

REQUESTOR SECTION

Date of request:

Requestor: Elizabeth Rust RHSO

Formal Title: Discussion and vote whether to sign Inter-Municipal Agreement (IMA) for Regional Housing Service Office. Elizabeth Rust, RHSO, to attend and make presentation.

Recommendations/Suggested Motion/Vote: Discussion and vote whether to sign Inter-Municipal Agreement (IMA) for Regional Housing Service Office. Elizabeth Rust, RHSO, to attend and make presentation.

Background Information:
attached documents

Financial impact expected: CPA funds approved at 2017 Annual Town Meeting

Approximate agenda time requested: 10 minutes

Representative(s) expected to attend meeting: Elizabeth Rust, RHSO

Review:

Patty Golden	Pending
Melissa Murphy-Rodrigues	Pending
Jonathan Silverstein	Pending
Robert C. Haarde	Pending
Board of Selectmen	Pending

06/19/2018 7:00 PM

AGREEMENT

THIS AGREEMENT is entered into by and between the Towns of Acton, Bedford, Burlington, Concord, Lexington, Sudbury and Weston, hereafter referred to collectively as the "Municipalities," this 1st day of June 2017, as follows:

WHEREAS, the Municipalities desire to share the services and costs of a common Regional Housing Services Office; and

WHEREAS, the Town of Concord is willing and capable of hosting a Regional Housing Services Office; and

WHEREAS, each of the Municipalities has authority to enter into this Agreement pursuant to G.L. c. 40, s. 4A;

NOW, THEREFORE, the Municipalities, in mutual consideration of the covenants contained herein, intending to be legally bound, agree under seal as follows:

1. Term. The term of this Agreement shall commence on July 1, 2017 and shall expire after a term of three years on June 30, 2020, unless earlier terminated as set forth herein. Any municipality may withdraw from the Agreement as defined below. The Agreement may be renewed for additional three-year terms as voted by each municipality through its respective Board of Selectmen by January 1 of the year of the expiring term.
2. Lead Municipality. During the Term of this Agreement, the Town of Concord shall act as the lead municipality. The Town of Concord shall perform or provide the following:
 - a. Issue Requests for Proposals for Consultants to provide housing administrative services described in Exhibit A: Core Housing Services, attached and incorporated herein, for all the Municipalities;
 - b. Enter into contracts with Consultants to provide said housing administrative services;
 - c. Manage the Consultant contracts;
 - d. Receive invoices from the Consultants and make payments in a timely manner for services rendered;
 - e. Provide office space and related utilities for the Consultants to operate the Regional Housing Services Office;
 - f. Administer the collection, accounting and use of funds provided by the Municipalities to fund the Consultant contracts;
 - g. Provide overall program oversight and related administration;
 - h. Provide conflict resolution in accordance with Section 10 below.
3. Duties of the Regional Housing Services Office. During the Term of this Agreement, the Regional Housing Services Office shall perform the housing administrative services as described in Exhibit A: Core Housing Services for an annual allocation of hours as indicated in Exhibit B: Fee Structure, attached and incorporated herein.

4. Funding Structure and Payment. The Town of Concord shall annually request funds from the Municipalities for the upcoming year by July 1 with payment due within 30 days of the written request and the Municipalities shall provide annual funding to the Town of Concord pursuant to the Fee Structure, attached as Exhibit B: Fee Structure. Funding for supplemental services not included in Exhibit A: Core Housing Services and for additional hours in excess of the allotted hours in Exhibit B: Fee Structure shall be requested separately, at the discretion of the Town of Concord and the individual municipality. The Town of Concord shall hold all funds in a separate revolving fund account in trust for each Municipality and shall not disburse such funds for any purpose other than payment of invoices from the contracted Consultants for services rendered and other program expenses. Any municipality may borrow or lend hours to other Municipalities upon written agreement between the impacted municipalities, provided that the total number of hours available to the Regional Housing Services Office remains constant.

5. Subsequent Year Adjustments. The annual allocation of hours in Exhibit B: Fee Structure shall be reviewed and adjusted, if necessary, annually, three (3) months prior to end of each year of the Term of this Agreement. The Town of Concord shall provide to all Municipalities a record of the actual hours of services provided to each municipality and propose an amended Exhibit B in order to make any adjustments necessary for the following year of the Term, which shall be adopted as the Municipalities may agree, in accordance with Section 14.

6. Indemnification. Notwithstanding the final sentence of G.L. c. 40, §4A, to the extent permitted by law, each Municipality (the "Indemnifying Municipality") separately agrees to indemnify the Town of Concord, including all officials, officers, employees, agents, servants and representatives, from and against any claim arising out of the duties performed by the Regional Housing Services Office pursuant to the Agreement in or on behalf of the Indemnifying Municipality for any claim of liability, loss, damages, costs and expenses for personal injury or damage to real or personal property by reason of any negligent act or omission by the Regional Housing Services Office while performing services for the Indemnifying Municipality. As to any claim or occurrence, the express indemnification set forth above shall be town-specific: Acton's obligations shall be limited to the services provided for Acton; Bedford's obligations shall be limited to the services provided for Bedford; Burlington's obligations shall be limited to the services provided for Burlington; Concord's obligations shall be limited to the services provided for Concord; Lexington's obligations shall be limited to the services provided for Lexington; Sudbury's obligations shall be limited to the services provided for Sudbury; and Weston's obligations shall be limited to the services provided for Weston. The Indemnifying Municipality's obligation to indemnify under this Section shall be limited to and benefited by the immunities and the limits on liability that would be applicable under M.G.L. c. 258 and any other law or statute limiting the liabilities of municipalities as if the negligent act or omission had been made by an employee of the Indemnifying Municipality. Furthermore, the Indemnifying Municipalities shall not be liable for any claims arising from:

- a. Violations of state or federal civil rights statutes;
- b. Violations of state or federal discrimination statutes;
- c. Wrongful termination claims;

- d. Violations of any state or federal statute dealing with employment practices;
- e. Claims that are covered by any insurance policy.

7. Termination. (Subsection A) Any Municipality, by a vote of its respective Board of Selectmen or Select Board, may withdraw from and terminate this Agreement at the end of any year with the provision of at least two months prior written notice to the Town of Concord. No such termination shall affect any obligation of indemnification that may have arisen hereunder prior to such termination. Upon such termination, the Town of Concord shall prepare full statements of outstanding unpaid financial obligations under this Agreement and present the same to the terminating Municipality for payment within thirty (30) days thereafter. The Town of Concord, by a vote of its respective Select Board, may terminate this Agreement upon the provision of at least one month prior written notice to the participating Municipalities. After termination of this Agreement, the Town of Concord shall remain liable to the participating Municipalities for any portion of the payments received not earned. (Subsection B) Any Municipality may withdraw at the end of any fiscal year in which the municipal legislative body has not appropriated funds sufficient to support that municipality's participation in the subsequent fiscal year, provided that in such an event, the municipality shall give as much notice to other subscribers to this Inter-Municipal Agreement as the circumstances allow.

8. Advisory Committee. There shall exist an Advisory Committee comprised of one (1) representative from each municipality, whom shall be appointed by the Town Manager/Administrator of the municipality. The Advisory Committee shall endeavor to meet on a quarterly basis in July, October, January and April. The Town of Concord shall prepare and send to each municipality a quarterly status report prior to the quarterly meeting.

9. Conflict Resolution. The Advisory Committee may hold additional meetings to discuss and resolve any conflicts that may arise including, but not limited to, disagreements regarding the needs of each municipality and changes to the annual allocation of hours as indicated in Exhibit B: Fee Structure. Any recommendations made to the Director of the Regional Housing Services Office must be made by a majority vote. Any unresolved issues shall be decided by the Town Manager of the Town of Concord.

10. Additional Communities. The Advisory Committee may vote at any time to amend this Agreement to add an additional municipality or municipalities by unanimous vote and approval of the Lead Municipality, so long as there are no more than nine (9) member communities. If voted and approved as provided in this Section, the participation of said municipality or municipalities is effective as of July 1 of the fiscal year next after the vote is taken unless otherwise agreed among all parties. . Any such additional municipality must be adjacent to at least one municipality participating in this Agreement unless waived by a majority of the Town Manager's of the originally participating communities.

11. Financial Safeguards. The Town of Concord shall maintain separate, accurate and comprehensive records of all services performed for each of the Municipalities hereto, and all funds received from the Municipalities. The Town of Concord shall issue a financial report for each fiscal year to each of the Municipalities by December 31 of the following fiscal year.

12. Assignment. None of the Municipalities shall assign or transfer any of its rights or interests in or to this Agreement, or delegate any of its obligations hereunder, without the prior written consent of all of the other Municipalities.

13. Amendment. This Agreement may be amended only in writing signed by all Municipalities duly authorized thereunto.

14. Severability. If any provision of this Agreement is held by a court of appropriate jurisdiction to be invalid, illegal or unenforceable, or if any such term is so held when applied to any particular circumstance, such invalidity, illegality or unenforceability shall not affect any other provision of this Agreement, or affect the application of such provision to any other circumstances, and the remaining provisions hereof shall not be affected and shall remain in full force and effect.

15. Governing Law. This Agreement shall be governed by, construed, and enforced in accordance with the laws of the Commonwealth of Massachusetts.

16. Headings. The paragraph headings herein are for convenience only, are no part of this Agreement and shall not affect the interpretation of this Agreement.

17. Notices. Any notice permitted or required hereunder to be given or served on any Municipality shall be in writing signed in the name of or on behalf of the Municipality giving or serving the same. Notice shall be deemed to have been received at the time of actual receipt of any hand delivery or three (3) business days after the date of any properly addressed notice sent by mail as set forth below:

Town of Acton
 Steven Ledoux, Town Manager
 472 Main Street
 Acton, MA 01720

Town of Bedford
 Richard Reed, Town Manager
 10 Mudge Way
 Bedford, MA 01730

Town of Burlington
 John D. Petrin, Town Administrator
 29 Center Street
 Burlington, MA 01803

Town of Concord
 Christopher Whelan, Town Manager
 Town House, P.O. Box 535
 22 Monument Square
 Concord, MA 01742

Town of Lexington
 Carl F. Valente, Town Manager
 1625 Massachusetts Avenue
 Lexington, MA 02420

Town of Sudbury
 Melissa Murphy-Rodrigues, Town Manager
 278 Old Sudbury Road
 Sudbury, MA 01776

Town of Weston
 Donna S. VanderClock, Town Manager
 P.O. Box 378
 Weston, MA 02493

18. Complete Agreement. This Agreement constitutes the entire Agreement between the Municipalities concerning the subject matter hereof, superseding all prior agreements and understandings. There are no other agreements or understandings between the Municipalities concerning the subject matter hereof. Each Municipality acknowledges that it has not relied on any representations by any other Municipality or by anyone acting or purporting to act for another Municipality or for whose actions any other Municipality is responsible, other than the express, written representations set forth herein.

[SIGNATURE PAGES FOLLOW EXHIBIT B]

Exhibit A
Core Housing Services

1. Monitoring
 - Monitoring Database of Affordable Housing Developments and residents
 - Annual monitoring of ownership units
 - Annual monitoring of rental developments
 - Reconcile municipal inventory records with the Subsidized Housing Inventory maintained by the Department of Housing and Community Development
 - Add new units to the inventory as required
2. HOME administration
 - Assist in the preparation of the Annual Action Plan and Annual CAPER documents
 - Consult on HOME funded projects
3. Local Support
 - Meet on-site with staff and housing entities
 - Consult on projects
 - Prepare and Review project documents
4. Regional Activities
 - Assist communities with regional linkages
 - Maintain and support RHSO website, including public and private pages
 - Provide programs to residents
 - Administer the Program on behalf of all communities

[SIGNATURE PAGES FOLLOW EXHIBIT B]

Exhibit B Fee Structure

The participating municipalities will proportionally share the total cost of operating the Regional Housing Services Office. The proportional share is determined based on the percentage of hours planned to support each municipality for core services as represented in the fee schedule.

Membership Fee Schedule Chart for FY18

	Hours	Pro rata \$	Pro rata %
Acton	320	\$22,773	11%
Bedford	450	\$32,024	15%
Burlington	155	\$11,030	5%
Concord	440	\$31,312	15%
Lexington	440	\$31,312	15%
Sudbury	830	\$59,066	28%
Weston	345	\$24,552	12%
	2,980	\$212,069	100%

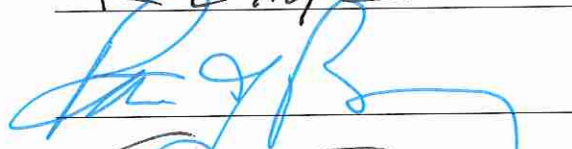
This fee structure does not include payment for supplemental services which will be proposed and invoiced outside of this agreement or payment for additional hours in excess of the allotted hours.

WITNESS OUR HANDS AND SEALS as of the first date written above.


TOWN OF ACTON
By its Board of Selectmen











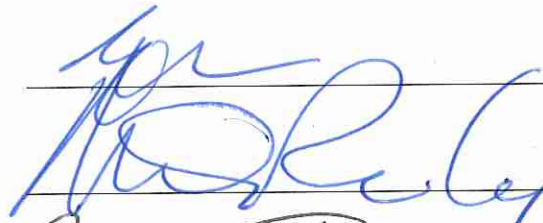
Attachment1.a: RHSO FY18 IMA Agreement - Signed (2808 : RHSO IMA)

WITNESS OUR HANDS AND SEALS as of the first date written above.

TOWN OF BEDFORD
By its Board of Selectmen



William A. Norman




Carla Scott

Attachment1.a: RHISO FY18 IMA Agreement - Signed (2808 : RHISO IMA)

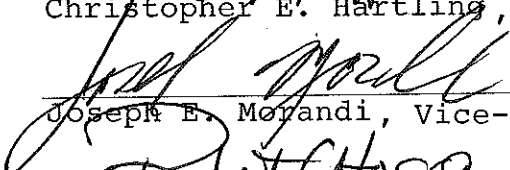
Burlington Board of Selectmen approved on June 12, 2017.

WITNESS OUR HANDS AND SEALS as of the first date written above.


TOWN OF BURLINGTON
By its Board of Selectmen



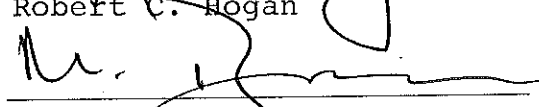
 Christopher E. Hartling, Chairman



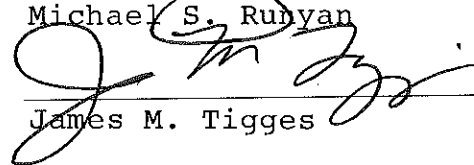
 Joseph E. Morandi, Vice-Chairman



 Robert C. Hogan



 Michael S. Runyan



 James M. Tigges

Attachment1.a: RHHSO FY18 IMA Agreement - Signed (2808 : RHHSO IMA)

WITNESS OUR HANDS AND SEALS as of the first date written above.

TOWN OF CONCORD
By its Select Board

Wison

Thomas McKee

[Signature]
Stanley

Alice Langman

Attachment 1.a: RHSO FY18 IMA Agreement - Signed (2808 : RHSO IMA)

WITNESS OUR HANDS AND SEALS as of the first date written above.

TOWN OF LEXINGTON
By its Board of Selectmen

Ernest C Barry

Legally

James L. Pato

Mark Carr

David M. Hunt

Attachment 1.a: RHSO FY18 IMA Agreement - Signed (2808 : RHSO IMA)

WITNESS OUR HANDS AND SEALS as of the first date written above.

TOWN OF SUDBURY
By its Board of Selectmen

Paul Ely
Susan M. Wallace

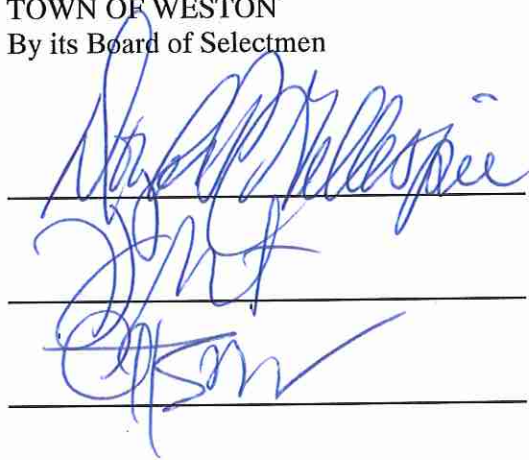
Patricia A. Brown
Len Simon

[Signature]

Attachment 1.a: RHSO FY18 IMA Agreement - Signed (2808 : RHSO IMA)

WITNESS OUR HANDS AND SEALS as of the first date written above.

TOWN OF WESTON
By its Board of Selectmen



The image shows three handwritten signatures in blue ink, each written over a horizontal line. The top signature is the most legible and appears to read 'David M. Klespice'. The middle signature is more stylized and difficult to decipher. The bottom signature is also stylized and appears to end with 'son'.

Attachment1.a: RHHSO FY18 IMA Agreement - Signed (2808 : RHHSO IMA)

AMENDMENT

The agreement entered into by and between the Towns of Acton, Bedford, Burlington, Concord, Lexington, Sudbury and Weston (collectively the “Municipalities”), dated June 1, 2017 (the “Agreement”) to share services of a Regional Housing Services Office provided by the Town of Concord (the “Agreement”), which is incorporated herein by reference, is hereby amended, effective July 1, 2018, as described below.

WHEREAS, the Town of Wayland (“Wayland”) is located adjacent to one or more of the Municipalities;

WHEREAS, Wayland desires to be added to the Agreement as an “Additional Community” pursuant to Section 10 of the Agreement and to share the services of the Regional Housing Services Office with the Municipalities;

WHEREAS, the Original Municipalities desire to add Wayland to the Agreement as an “Additional Community” pursuant to Section 10 of the Agreement and to share the services of the Regional Housing Services Office with Wayland;

WHEREAS, the Town of Concord agrees to provide the services described in the Agreement, as amended herein, to Wayland, in addition to the Municipalities; and

WHEREAS, Wayland agrees to be bound by and benefit from all of the terms of the Agreement, as amended herein;

NOW,

- The first sentence of the first paragraph is amended by adding “Wayland” after “Towns of” and after “Sudbury.”
- Section 6. Indemnification. This Section is amended by adding the “Wayland’s obligations shall be limited to the services provided for Wayland;” after the word Sudbury and before the words ‘and Weston’ in line 14.
- Section 17. Notices. This Section is amended by adding the following to the addresses in this Section: “Town of Wayland, Nan Balmer, Town Administrator, 41 Cochituate Road, Wayland, MA 01778
- The Town of Wayland Board of Selectmen shall be added as a signatory to the Agreement, as amended herein.
- Exhibit B. Fee Structure. This Exhibit is deleted and replaced in its entirety with the Membership Fee Schedule Chart for FY19, attached hereto as Exhibit B.

[SIGNATURE PAGES FOLLOW EXHIBIT B]

Exhibit B

Membership Fee Schedule Chart for FY19

The participating municipalities will proportionally share the total cost of operating the Regional Housing Services Office. The proportional share is determined based on the percentage of hours planned to support each municipality for core services as represented in the fee schedule.

FY19 Membership Fee Schedule			
	Hours	% of hrs	Pro rata \$
Acton	320	10%	\$24,493
Bedford	485	15%	\$37,123
Burlington	130	4%	\$9,950
Concord	500	16%	\$38,271
Lexington	390	12%	\$29,851
Sudbury	780	24%	\$59,702
Wayland	215	7%	\$16,456
Weston	365	11%	\$27,938
Total	3,185	100%	\$243,784

This fee structure does not include payment for additional hours in excess of the allotted hours or for additional supplemental services which will be proposed and invoiced outside of this agreement.

WITNESS OUR HANDS AND SEALS on _____, 2018.

TOWN OF ACTON

By its Board of Selectmen

Attachment 1.b: RHSO IMA Amendment - FY19 v1 (2808 : RHSO IMA)

WITNESS OUR HANDS AND SEALS on _____, 2018.

TOWN OF BEDFORD

By its Board of Selectmen

Attachment 1.b: RHISO IMA Amendment - FY19 v1 (2808 : RHISO IMA)

WITNESS OUR HANDS AND SEALS on _____, 2018.

TOWN OF BURLINGTON

By its Board of Selectmen

Attachment 1.b: RHSO IMA Amendment - FY19 v1 (2808 : RHSO IMA)

WITNESS OUR HANDS AND SEALS on _____, 2018.

TOWN OF CONCORD

By its Board of Selectmen

Attachment 1.b: RHSO IMA Amendment - FY19 v1 (2808 : RHSO IMA)

WITNESS OUR HANDS AND SEALS on _____, 2018.

TOWN OF LEXINGTON

By its Board of Selectmen

Attachment 1.b: RHSO IMA Amendment - FY19 v1 (2808 : RHSO IMA)

WITNESS OUR HANDS AND SEALS on _____, 2018.

TOWN OF SUDBURY

By its Board of Selectmen

Attachment 1.b: RHSO IMA Amendment - FY19 v1 (2808 : RHSO IMA)

WITNESS OUR HANDS AND SEALS on _____, 2018.

TOWN OF WAYLAND

By its Board of Selectmen

Attachment 1.b: RHSO IMA Amendment - FY19 v1 (2808 : RHSO IMA)

WITNESS OUR HANDS AND SEALS on _____, 2018.

TOWN OF WESTON

By its Board of Selectmen

Attachment 1.b: RHSO IMA Amendment - FY19 v1 (2808 : RHSO IMA)

REGIONAL HOUSING SERVICES OFFICE

Sudbury Board of Selectmen June 19, 2018



*Regional Agreement between Acton, Bedford, Burlington, Concord,
Lexington, Sudbury, Wayland and Weston*

RHSO Update - Agenda

- FIRST – Big THANK YOU to retiring town managers!!
 - ▣ Acton, Bedford, Burlington, Concord, Lexington, Wayland and Weston!
- FY18 Year in review
- FY19 Plans
- Hours and Budget review
- Thinking Forward

RHSO Update – Service Model

REGIONAL HOUSING SERVICES OFFICE, *ESTABLISHED 2011*



Member Towns receive housing services for an annual fee per Inter- Municipal Agreement:

- Monitoring
- Inventory Management
- Program Development and Administration
- Assessment Valuations
- Local Support (Studies, analysis, feasibility, project review)
- RHSO Website
- Regional Collaboration



RHSO Personnel deliver services through Lead Community.

Membership Fee covers all staffing, and administrative expenses, such as accounting, office support, mail, technology, etc

Member Town Statistics (FY18)				
	Housing Units	Restricted/SHI Units	Restricted Ownership	SHI%
Acton	8,475	568	68	6.70%
Bedford	5,322	974	54	18.30%
Burlington	9,627	1283	27	13.33%
Concord	6,852	804	71	11.73%
Lexington	11,946	1328	93	11.12%
Sudbury	5,921	664	37	11.21%
Wayland	4,957	254	54	5.12%
Weston	3,952	167	29	4.23%
	57,052	6,042	323	10.59%

RHSO Workplan

Development projects,
Feasibility and Planning,
Boards and Committee support
Housing Production Plans

Local
Board
Support

433 Units: Annual
certifications, refinancing,
resale, general inquiries

Ownership
Monitoring

Homeowner Training,
Property Manager
support and training,
RHSO Website

RHSO
Program

**RHSO
Workplan**

Rental
Monitoring
(LIP and
HOME)

905 Units across 18
properties: Site visits,
tenant eligibility
review, and rent
examination

Review Compliance,
Maintain Inventories,
Provide Assessment Values,
980 SHI units since start of RHSO

Inventory
Monitoring

Program
Support

HOME Program (\$1.9MM in
commitment), Small Grant
and Other Local Programs

RHSO Update – FY19 Plans

- Support for Member Communities
 - ▣ Continue to monitor owners and properties
 - ▣ Continue projects and local services
 - ▣ Continue support to property managers, residents and others
 - ▣ Continue sponsoring training and support for website
 - ▣ Assist in transition to new Town Management
- Maintain RHSO Office
 - ▣ Stay in Knox Trail
 - ▣ Amend IMA annually by all Selectmen
 - ▣ Continue dialogue with interested communities about joining
 - Delicate balance of staffing and availability

RHSO FY19 Budget

Budget is mostly staffing – correlating to hours - with some program and administration

	FY18					FY19				Versus FY18	
	Current Status					Proposed Budget					
	IMA Amount	Adjustments	Current Amount	Current Hours	% of Total	IMA Amount	Net Amount	Hours	% of Total	Hours	\$
Starting Balance	\$0					\$663					
Income											
Acton	\$22,773	\$1,320	\$24,093	340	10%	\$24,493	\$24,493	320	10%	(20)	\$400
Bedford	\$32,024	\$9,860	\$41,730	593	18%	\$37,123	\$37,123	485	15%	(108)	(\$4,607)
Burlington	\$11,030	(\$2,242)	\$8,788	155	5%	\$9,950	\$9,950	130	4%	(25)	\$1,162
Concord	\$31,312	\$5,297	\$36,455	518	16%	\$38,271	\$38,271	500	16%	(18)	\$1,816
Lexington	\$31,312	\$0	\$31,036	436	13%	\$29,851	\$29,851	390	12%	(46)	(\$1,185)
Sudbury	\$59,066	\$3,310	\$62,335	880	26%	\$59,702	\$59,702	780	24%	(100)	(\$2,633)
Wayland	\$0	\$4,090	\$4,090	62	2%	\$16,456	\$16,456	215	7%	153	\$12,366
Weston	\$24,552		\$24,552	345	10%	\$27,938	\$27,938	365	11%	20	\$3,386
Total	\$212,069	\$21,635	\$233,079	3,328	100%	\$243,784	\$243,784	3,185	100%	(143)	\$10,705
Expenses											
Staffing	\$218,320			\$65.60		\$218,784		\$68.69			
Program expenses	\$5,716					\$5,663					
Administrative Cost	\$8,380					\$20,000					
Total Expenses	\$232,416					\$244,447					
Ending Balance	\$663					(\$0)					
Billing Rate	\$71.16					\$76.75					

RHSO Update – Summary

- RHSO successfully completing 7 years of operation
 - ▣ Thank you for your continued support!
 - ▣ Comments and suggestions welcome



Proactive Compliance Monitoring

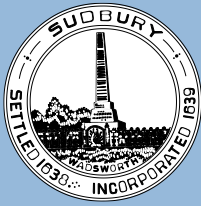
- Preserve Units
- Maintain Housing Inventory

Resource Efficiency

- Centralize Information for existing and prospective residents
- Leverage Resources, Resource Continuity

Regional Approach

- Common Solutions for Common Challenges
- Enhance Municipal Services



SUDBURY BOARD OF SELECTMEN
Tuesday, June 19, 2018

MISCELLANEOUS (UNTIMED)
2: Fairbank Fundraising Discussion

REQUESTOR SECTION

Date of request:

Requested by: Patty Golden

Formal Title: Discuss potential fundraising and partnership options for the Fairbank Community Center

Recommendations/Suggested Motion/Vote: [Discuss potential fundraising and partnership options for the Fairbank Community Center](#)

Background Information:
see attached

Financial impact expected:

Approximate agenda time requested:

Representative(s) expected to attend meeting: Town Manager Rodrigues

Review:

Patty Golden	Pending
Melissa Murphy-Rodrigues	Pending
Jonathan Silverstein	Pending
Robert C. Haarde	Pending
Board of Selectmen	Pending

06/19/2018 7:00 PM

Golden, Patricia

From: Rodrigues, Melissa
Sent: Thursday, June 14, 2018 2:47 PM
To: Golden, Patricia
Subject: FW:

[Fairbanks fundraising discussion](#)

The Town of Sudbury

Request for Proposals

1. Naming right of a portion of the Fairbank Community Center
2. Partner in connection with leasing rights to operate a therapy pool or a wellness facility at the community center

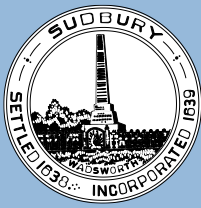
The Town of Sudbury is issuing this Request for Proposals for two separate proposals as set forth below. Each proposer may elect to submit a proposal for Proposal 1 or 2 individually or for both collectively. They should be submitted separately for evaluation purposes.

Proposal 1: The Town of Sudbury is interested in proposals from individuals or entities who would pay for the non-exclusive shared right to place their name or company's name in designated areas on the Community Center for the purpose of generating an additional revenue source for the facility. The designated areas for such naming rights would be in an area to be determined by the Town. The designated areas may be on either the inside or outside of the building, but in a public areas not private offices. The time period of the naming rights shall be for ten years.

Proposal 2: The Town is interested in proposals from individuals or entities who would pay for the right to lease and operate a therapy pool and/or health and wellness type services in a designated space in the Community Center. These may include, but not be limited to: medical services, health rehabilitation, sports medicine, health and wellness type services, and other services that the Town deems in its sole discretion are consistent with the vision and mission of the Community Center. With the design, construction and financing of the Center still in initial phases, it is unclear when construction will be finished. Therefore, the proposer of this proposal is for responders to submit their offer on a right to lease and operation that will include detailed plans for the proposed operation. Any and all lease terms, conditions and payment amounts will be subject to negotiation. Any and all build of said spaces shall be completed by the proposer.

Melissa Murphy-Rodrigues, Esq.
 Town Manager of Sudbury, MA
 278 Old Sudbury Road
 Sudbury, MA 01776
 978-639-3381
 Fax: 978-443-0756
www.sudbury.ma.us

Attachment2.a: Fairbank (2842 : Fairbank Fundraising Discussion)



SUDBURY BOARD OF SELECTMEN
Tuesday, June 19, 2018

MISCELLANEOUS (UNTIMED)

3: Property at 34 Barton Drive

REQUESTOR SECTION

Date of request:

Requested by: Patty Golden

Formal Title: Discussion on possible purchase of 34 Barton Drive property. Mike Ensley from Park & Rec Commission to attend.

Recommendations/Suggested Motion/Vote: Discussion on possible purchase of 34 Barton Drive property. Mike Ensley from Park & Rec Commission to attend.

Background Information:
Attached memo from Conservation Commission.

Financial impact expected:

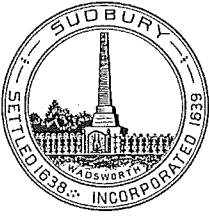
Approximate agenda time requested:

Representative(s) expected to attend meeting:

Review:

Patty Golden	Pending
Melissa Murphy-Rodrigues	Pending
Jonathan Silverstein	Pending
Robert C. Haarde	Pending
Board of Selectmen	Pending

06/19/2018 7:00 PM



Town of Sudbury

CONSERVATION

275 Old Lancaster Rd.
Sudbury, MA 01776
978-440-5471

Email: ConCom@sudbury.ma.us

Wetlands • Conservation Land Management • Land Protection • Stormwater

January 23, 2018

Mr. Lael Meixsell
55 Hudson Rd., apt. 5B
Sudbury, MA 01776

re: 34 Barton Drive Sale to Town

mikes
Dear Mr. Meixsell,

The Conservation Commission held a preliminary discussion at the meeting on Jan. 22, 2018 to review your offer to the Town to purchase your property at 34 Barton Drive prior to formal listing for sale through a realtor and decide if further discussion with you was needed.

The property is a 1.8-acre lot with 165+ feet of frontage on Stearn's Mill Pond/Hop Brook. The house is in disrepair with apparently little or negative value. The assessed value of the land is \$367,600. Assessors value the structure at \$33,200. You state the property is adjacent to the TOS Barton Pool lot. Your lot actually does not offer direct access to the adjacent town-owned land that was formerly a swimming area for town residents before the early 1970's. I have enclosed a map of the area.

The Town has access to the pond from public conservation land on Dutton Road (approx. 2200' away). Funds for land acquisition are limited at this time and other, larger properties with connections to existing protected land are competing for acquisition dollars. These properties are on the Open space and Recreation Plan. We have to weigh the cost/benefits of acquisition and rank parcels accordingly. If the house were gone and the lot was offered as a gift or much reduced cost for conservation purposes as a natural area, the Commission might reconsider.

I have passed your offer onto the Town Manager. She may decide to distribute to other town agencies such as Park & Recreation. You may wish to follow up with her. We want to thank you for this opportunity, but the Conservation Commission will have to decline your offer.

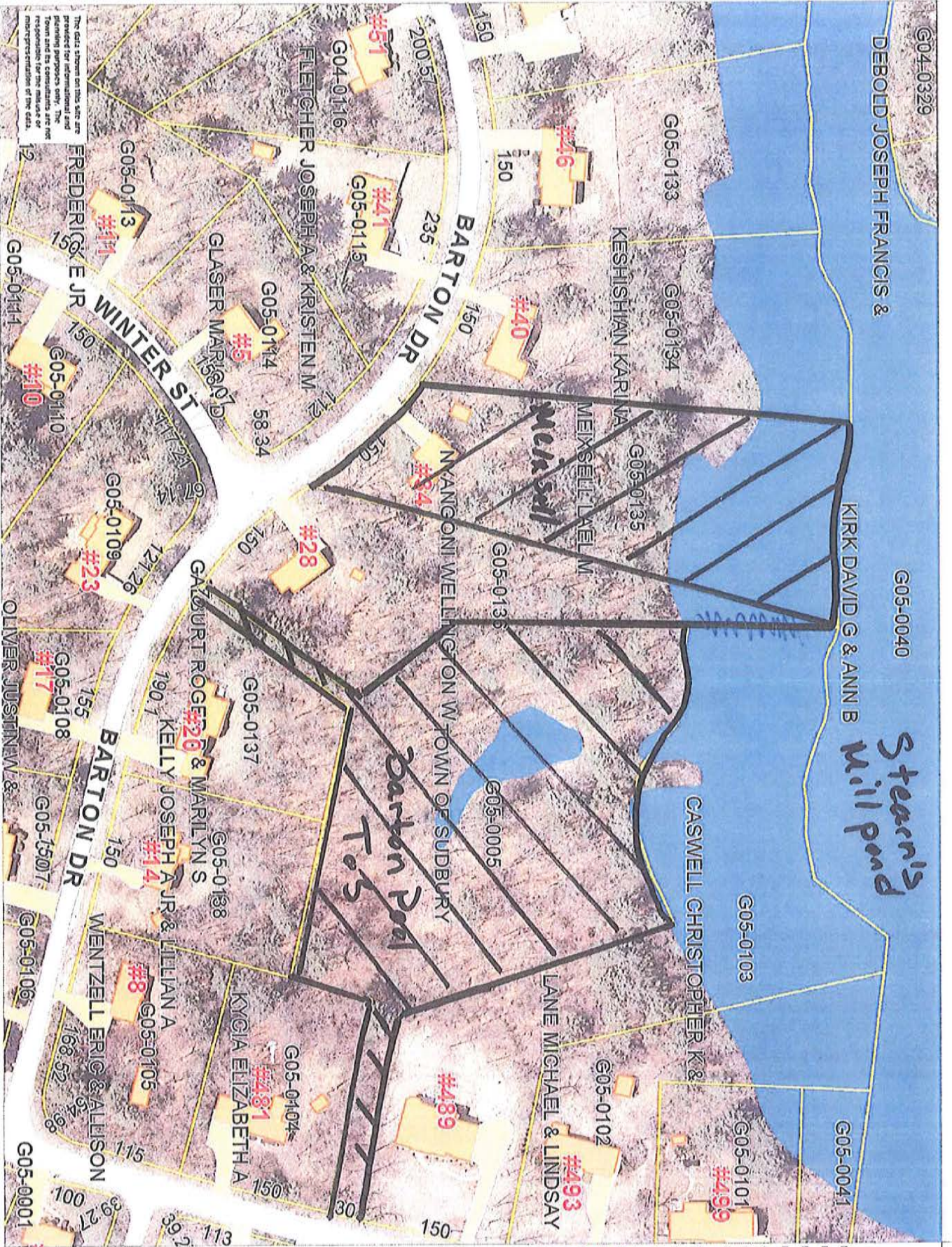
Sincerely,

Debbie
Deborah Dineen
Conservation Coordinator

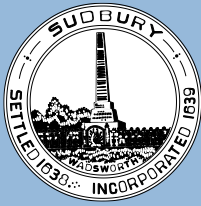
cc: Melissa Rodrigues, Town Manager

Attachment 3.a: 34 Barton Dr (002) (2837 : Property at 34 Barton Drive)

Attachment 3.a: 34 Barton Dr (002) (2837 : Property at 34 Barton Drive)



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SUDBURY BOARD OF SELECTMEN
Tuesday, June 19, 2018

MISCELLANEOUS (UNTIMED)

4: Transportation Committee

REQUESTOR SECTION

Date of request:

Requestor: Selectman Pat Brown

Formal Title: Discussion and vote to assign members to the Transportation Committee which was established on 4/10/18.

Recommendations/Suggested Motion/Vote: Discussion and vote to assign members to the Transportation Committee which was established on 4/10/18.

Background Information:

Financial impact expected:n/a

Approximate agenda time requested:

Representative(s) expected to attend meeting:

Review:

Patty Golden	Pending
Melissa Murphy-Rodrigues	Pending
Jonathan Silverstein	Pending
Robert C. Haarde	Pending
Board of Selectmen	Pending

06/19/2018 7:00 PM



SUDBURY TRANSPORTATION COMMITTEE

Voted to establish on [DATE] by the Sudbury Board of Selectmen

Mission Statement

The Sudbury Transportation Committee was created by the Selectmen to address a key feature of livable communities: transportation. A livable community is defined as

...one that is safe and secure, has affordable and appropriate housing and transportation options, and offers supportive community features and services. ... Well-designed, livable communities promote health and sustain economic growth, and they make for happier, healthier residents — of all ages (<http://www.aarp.org/livable-communities/net-work-age-friendly-communities/info-2014/an-introduction.html>).

With the exception of specialized transportation provided by the Council on Aging, Sudbury is currently car-dependent, putting a number of residents at risk of isolation, loss of work, inability to access medical care, etc. There is no public transportation within town boundaries; parking space for commuter rail in adjoining towns is limited; and, there are few pedestrian-friendly routes from residences to likely destinations (e.g., town buildings, library, houses of worship, etc.).

Thus, the purpose of the Transportation Committee includes the following:

- To undertake specific assessments/studies of transportation and evaluate pilot experiments, both locally and regionally, at the direction of the Town Manager
- To ~~consider focus on~~ all functional elements of transportation: public, specialized, traffic congestion, paths and walkways (as distinct from recreational facilities ~~elements but including pedestrian walkways and bikeways~~) for all residents—inclusive of but not solely focused on senior residents and residents with disabilities
- To review ~~provide input from~~ published assessments/studies ~~and support~~ to inform the Board of Selectmen, Town Manager, and relevant offices and departments (e.g., the Traffic Safety Coordinating Committee) regarding, especially, opportunities to ~~expand expansion of~~ transportation options
- ~~To undertake specific assessments/studies of transportation and evaluate pilot experiments, both locally and regionally~~

- To ~~help integrate plans and actions across affected bodies and~~ advise the Board of Selectmen, Town Managers serve as advisor and other town entities about the transportation implications of both residential and business development, ~~both residential and business~~
- To ~~consider the~~ make recommendations that will support sustained attractiveness of the town for businesses and residents and contribute to the environmental goals defined by the Energy and Sustainability Green Ribbon Committee in any recommendations.
- To accomplish other transportation-related tasks requested by the Board of Selectmen.
- To advise the Town Manager how to transition the duties of the Transportation Committee to Town staff or other elected or appointed bodies.

The Transportation Committee will take a proactive role in addressing transportation challenges affecting the town and may establish *pro tem* subcommittees as needed and approved by the Board.

The Board of Selectmen will review the contributions of the Transportation Committee in the spring of 2019 to determine whether the Committee has fulfilled its role or should be continued until spring of 2020. It is envisioned that the Committee will have performed its duties by that time.

Membership and Structure

The Transportation Committee consists of a small group of Core and a larger roster of Advisory members. Core members are voting members and must be available and willing to attend the majority of scheduled meetings. They may draw upon the expertise of a Advisory members, who will be requested to attend meetings and/or discuss topics for which their expertise is needed. The Core group will elect a Chair and a Clerk from among these members, ~~for 2-year terms.~~ The Chair will run meetings, be the designated communications link with the Town Manager and other Town staff, and schedule committee meetings. The Clerk will ensure that full minutes and a list of members in attendance are kept of each meeting and promptly submitted to the Core for approval, filing with the Town Clerk, posting to the Town's website, and disseminating to the Advisory membership within 15 days of the meeting.

Quorum consists of a majority of serving Core members.

Recommended roles and individuals for membership are listed in the table, below.

Compliance With State and Local Laws and Town Policies

The Transportation Committee is responsible for conducting its activities in a manner which is in compliance with all relevant state and local laws and regulations, including but not limited to the Open Meeting Law, Public Records Law, and Conflict of Interest Law, as well as all Town policies which affect committee membership. In particular, all appointments are subject to the following:

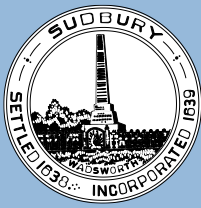
The Code of Conduct for Selectmen-Appointed Committee. A resident or employee who accepts appointment to a Town committee by the Board of Selectmen agrees that s/he will follow this code of conduct.

The Town's Email Communication for Committee Members Policy. Anyone appointed to serve on a Town committee by the Board of Selectmen agrees that s/he will use email communication in strict compliance with the Town of Sudbury's email policy, and further understands that any use of email communication outside of this policy can be considered grounds for removal from the Committee by the Selectmen.

Use of the Town's Website. The Committee will keep minutes of all meetings and post them on the Town's website. The Committee will post notice of meetings on the Town's website as well as at the Town Clerk's Office.

Sudbury Transportation Committee: Recommended Examples

CORE GROUP		
Representation	Individual	Contributions
Select Board	Dan Carty	Liaison to CoA; industrial engineering/operations research and economics; CQI
Council on Aging	TBD	One of key stakeholders for extended transportation services
CrossTown Connect (CTC)	Alice Sapienza	Project lead in CTC (Transportation Management Association) regional on-demand taxi pilot; Harvard MBA, DBA
Board of Health	Bethany Hadvab	Town Social Worker; link to residents in most need of transportation services
Town Planner	Beth Suedmeyer	Link to regional (e.g., Minuteman Advisory Group on Interlocal Coordination), state, and local agencies involved in land use and transportation
Department of Public Works	Dan Nason	Responsible for infrastructure elements related to all modes of transportation
Citizen	Individual(s) TBD	Vital input to transportation planning
ADVISORY GROUP (Expanded as Needed)		
Public Safety	Police (Chief Nix); Fire (Chief Whelan)	Impact of transportation options on and/or by Police and Fire departments
Chamber of Commerce	Charlie Dunn	Business needs for employment transit; impact of transportation options on retail sales, etc.
Clergy Association	Rotating individuals (leaders of town faith communities)	Transportation identified by this group as a major need
Senior Center	Debra Galloway	Director; liaison with MetroWest Regional Transit Authority; senior/disabled transportation



SUDBURY BOARD OF SELECTMEN
Tuesday, June 19, 2018

MISCELLANEOUS (UNTIMED)
5: Conflict of Interest designations

REQUESTOR SECTION

Date of request:

Requestor: Selectman Pat Brown

Formal Title: (1) Move, pursuant to M.G.L. c.268A, to approve the June 19, 2018, Conflict of Interest designations for both Regular and Special Municipal Employees as presented. (2) Move to dissolve the following Committees: Sewer Assessment Study Citizens Advisory Committee, the Sudbury Center Improvement Advisory Committee, and to thank the members for their services. (3) Move to submit an article at the next Special or Annual Town Meeting to dissolve the Committee for Preservation and Management of Town Documents.

Recommendations/Suggested Motion/Vote: (1) Move, pursuant to M.G.L. c.268A, to approve the June 19, 2018, Conflict of Interest designations for both Regular and Special Municipal Employees as presented. (2) Move to dissolve the following Committees: Sewer Assessment Study Citizens Advisory Committee, the Sudbury Center Improvement Advisory Committee, and to thank the members for their services. (3) Move to submit an article at the next Special or Annual Town Meeting to dissolve the Committee for Preservation and Management of Town Documents.

Background Information:

See attached background information and recommended actions to approve changes to the August 14, 2007, Conflict of Interest designations for both Regular and Special Municipal Employees as amended September 24, 2014, resulting in a new listing dated June 19, 2018 for approval.

Financial impact expected:n/a

Approximate agenda time requested:

Representative(s) expected to attend meeting:

Review:

Patty Golden	Pending
Melissa Murphy-Rodrigues	Pending
Jonathan Silverstein	Pending
Robert C. Haarde	Pending
Board of Selectmen	Pending

06/19/2018 7:00 PM



TOWN OF SUDBURY
Office of the Town Counsel

June 11, 2018

TO: Board of Selectmen

FROM: Elaine Jones, Assistant to Town Counsel

RE: Conflict of Interest Designations

The attached documents represent the culmination of months of investigation and research by both Selectman Brown and myself in reference to the designation listing last voted by the Board of Selectmen on September 24, 2014 as an amendment of the document dated August 14, 2007. Multiple listings of Officials and Committees both in card file formats and as computer records were reviewed; however, none of them are the same which may be a task for a later time.

You will find the following documents in the agenda package: 1) an annotated listing which includes recommendations for deletion, name changes, and additions to the 2007 list; and 2) the resultant listing dated June 19, 2018, which assumes the recommendations have been accepted.

BOS Proposed Motions for your consideration:

Move, pursuant to M.G.L. c.268A, to approve the June 19, 2018 Conflict of Interest designations for both Regular and Special Municipal Employees as presented.

Move to dissolve the following Committees: Sewer Assessment Study Citizens Advisory Committee and the Sudbury Center Improvement Advisory Committee and to thank the members for their services.

(Note: The latter Committee dissolution recommended by the DPW Director.)

Move to submit an article at the next Special or Annual Town Meeting to dissolve the Committee for Preservation and Management of Town Documents.

(Note: Town Clerk recommendation)

DELETIONS RECOMMENDED: (as of 5/30/18)Regular Employees – Appointed Officials

Cemeteries, Superintendent of (performed by Trees & Cemetery Foreman)
 Industrial Accident Board, Town Agent (non-existent position)
 Insect Pest Control, Local Superintendent (non-existent position)
 Pesticide Applicator and Herbicide Applicator (non-existent position)
 Street Lighting Agent (non-existent position)
 Town Counsel (delete per K-P Law; firm is Town Counsel)
 Assistant Town Counsel (non-existent position)

Special Employees – Appointed Officials

Cable Television Committee (dissolved '08)
 Civil Defense Radio Operator (non-existent position)
 Community Housing Committee (dissolved '07)
 Consulting Engineer for Town Ctr. Project (project completed)
 Deputy Plumbing and Gas Inspectors (included elsewhere)
 Deputy Wiring Inspector (title changed)
 Economic Development Committee (dissolved '08)
 Engineering for Johnson Farm Comp. Permit Review (project complete)
 Fair Housing Committee (dissolved '06)
 Fair Housing Program Director (non-existent position)
 Food Service Director (non-existent position)
 Gas Fitting Inspector of (non-existent position)
 Hop Brook Technical Advisory Committee (inactive)
 Lincoln-Sudbury Regional School Building Committee designees (project complete)
 MetroWest Growth Management Committee appointee (inactive since '07;)
 Minuteman Regional Vocational Technical School District Representative (no longer in District)
 Pay for Throw Advisory Committee (dissolved '06)
 Permanent Landscape Committee (dissolved ATM11/25)
 Personnel Board (non-existent)
 Pound Keeper (non-existent position)
 Preservation and Management of Town Documents, Committee for (TMtg established, but not active – T. Clerk recommends dissolving by Town Meeting)
 Public Weigher (name changed, then contracted to State)
 Rail Trail Conversion Advisory Committee (dissolved '15)
 Rt. 20 Wastewater Tech. Adv. Com. (duplicate name for another committee)
 Sealer of Weights and Measures (contracted to State)
 Septage Committee, Wayland-Sudbury Septage Disposal Facility (dissolved '09)
 Sewer Assessment Study Technical Advisory Committee (dissolved '15)
 Sewer Assessment Study Citizens Advisory Committee (BOS to dissolve)
 Sudbury Center Improvement Advisory Committee (formerly Steering Committee; DPW Dir. recommends dissolution by BOS)
 Surveyor of Lumber and Measurer of Wood (appointment expired; no position)

Town Report Committee (no longer active; work performed by staff)
 Traffic Specialist (Johnson Farm Comp. Permit review) (project completed)
 UN Day Chairman and Assistants (no longer active)
 Veterans Advisory Committee (no longer active)
 Wetland Specialist (Johnson Farm Com. Review) (project completed)
 Wetlands Peer Reviewer (property adj. to 96 Moore Rd.) (no longer required)
 Youth Commission (replaced by Youth Coordinator employee)

Special Employees – Employees

Teen Center Coordinator (replace by Youth Coordinator)

ADDITIONS PROPOSED:

Special Employees – Appointed Officials

Bruce Freeman Rail Trail Design Task Force
 Budget Strategies Task Force
 Cable Advisor
 Community Emergency Response Team
 Energy and Sustainability Committee
 Land Acquisition Review Committee
 Local Emergency Planning Committee
 M.A.G.I.C. – Minuteman Advisory Group on Interlocal Coordination designees
 Medical Reserve Corps Executive Committee
 Memorial Day Committee
 MetroWest Regional Transportation Board representative
 Parking Clerk
 Records Officers
 Strategic Financial Planning for Capital Funding Committee
 SuAsCo River Stewardship Council designees
 Sudbury Access Corporation designee to Bd. of Directors
 Sudbury Cultural Council
 Sudbury Housing Trust
 Sudbury Transportation Committee
 Tax Advisors – Sr. Ctr. volunteers
 Town Physicians adding “including BOH Consulting Physician”
 Traffic Safety Coordinating Committee
 Vocational Education Guidance Committee

Special Employees – Employees

Veterans Agent/Administrative Assistant

NAME CHANGES PROPOSED:Special Employees – Appointed Officials

Appeals, Board of and Associates (formerly Appeals, Board/Earth Removal Board Associates)
Capital Improvement Advisory Committee (formerly CIPC_
Emergency Management Director (formerly Civil Defense Director)
Emergency Management Asst. Dir. (formerly Civil Defense Asst. Dir.)
Deputy Building Inspector/Deputy Zoning Enforcement Agent (formerly Deputy Inspector of Buildings/Deputy Zoning Enforcement Agent)
Electrical Inspector & Deputy Electrical Inspector (formerly Wires, Inspector of and Deputy Inspector)
Plumbing & Gas Inspector and Deputy Plumbing & Gas Inspector and Deputy Plumbing & Gas Inspector (formerly Plumbing Inspector and Deputy Inspector)

Special Employees – Employees

Youth Coordinator (incl. Teen Center)

CONFLICT OF INTEREST DESIGNATIONS

Regular Employees

In accordance with Chapter 268A of the General Laws of Massachusetts, all persons, elected or appointed to and performing the duties of the following positions are hereby classified as REGULAR EMPLOYEES of the Town of Sudbury:

Elected Officials

None

Elected Board, Committee and Commission Members

Goodnow Library Trustees
Health, Board of
Park and Recreation Commissioners, Board of
Selectmen, Board

Appointed Officials

All appointed positions listed in the Salary Schedules & Classification Plans unless specifically designated Special Employees.

Affirmative Action Officer (Assistant Town Mgr.)
Americans with Disabilities Act (ADA) Coordinators (Assistant Town Mgr. & Facilities Dir)
Auction Permit Agent (Sr. Adm. Assistant to Town Manager)
Chief Procurement Officer (Town Manager)
Fence Viewers (Selectmen)
Forest Warden (required by M.G.L., Fire Chief)
Keeper of the Lockup (Police chief)
Town Manager
Tree Warden (req. by Town Bylaw XIX; performed by Trees & Cemetery Foreman)
Wood-Burning Stoves, Inspector of (Fire Chief)

Employees

All positions listed in the Salary Schedules & Classification Plans unless specifically designated Special Employees.

6/19/18

Special Employees

In accordance with Chapter 268A of the General Laws of Massachusetts, all persons, elected to or appointed to and performing the duties of the following positions are hereby classified as SPECIAL EMPLOYEES of the Town of Sudbury:

Elected Officials

Moderator

Elected Board and Commission Members

Assessors, Board of
Lincoln-Sudbury Regional School District Committee
Planning Board
Sudbury Housing Authority
Sudbury School Committee

Appointed Officials

Aging, Council on
Agricultural Commission
Animals, Inspector of
Appeals, Board of and Associates
Bruce Freeman Rail Trail Design Task Force
Budget Strategies Task Force
Cable Advisor
Capital Improvement Advisory Committee
Community Emergency Response Team
Community Preservation Committee
Conservation Commission
Constables
Deputy Building Inspector/Deputy Zoning Enforcement Agent
Design Review Board
Disability, Commission on
Dog Officer/Animal Control Officer Assistant
Earth Removal Board/Board of Appeals Associates
Electrical Inspector & Deputy Electrical Inspector
Emergency Management Director
Emergency Management Asst. Dir.
Energy and Sustainability Committee
Finance Committee
Hazardous Waste Coordinator and Alternate
Historic Districts Commission
Historical Commission
Labor Relations Counsel
Land Acquisition Review Committee
Legal Counsels, Special
Local Emergency Planning Committee
MAPC Designees
MBTA Advisory Board Designee

M.A.G.I.C. - Minuteman Advisory Group on Interlocal Coordination designees
 Medical Reserve Corps Executive Committee
 Memorial Day Committee
 MetroWest Regional Transportation Advisory Board Designee
 MMA Legislative Liaison
 Municipal Right-to-Know Coordinator and Alternate
 Parking Clerk
 Permanent Building Committee
 Planning Board Associate
 Planning Board General Agent
 (Plumbing & Gas Inspector and Deputy Plumbing & Gas Inspector
 Ponds and Waterways Committee
 Registrars of Voters, Board of
 Records Access Officers
 September 11 Memorial Garden Oversight Committee
 Special Constables, Paid and Non-Paid
 Special Counsel, Rail Trail Title Research
 Special Counsel in connection with the development of a solar power generation facility at the
 Landfill and associated matters
 Special Police Officers
 Stormwater Compliance Committee
 Strategic Financial Planning for Capital Funding Committee
 SuAsCo River Stewardship Council designee
 Sudbury Access Corporation designee to Board of Directors
 Sudbury Cultural Council
 Sudbury Employees Group Insurance Advisory Committee
 Sudbury Housing Trust
 Sudbury Transportation Committee
 Tax Advisors
 Town Historian
 Town Physicians, including BOH Consulting Physician
 Traffic Safety Coordinating Committee
 Veterans Agent
 Veterans Graves Officer
 Vocational Education Guidance Committee

Employees

All Election Officers and Workers
 Call Firemen
 Crossing Guards (appointed by School Dept)
 Library Pages
 Police Matrons
 Recording Secretaries
 Seasonal and temporary employees in Conservation, Engineering, Technology Department,
 Park and Recreation and Highway Department
 Special Education Educators
 Sudbury Housing Authority Executive Director
 Youth. Coordinator (incl Teen Center)
 Van Drivers for School Department

Veterans Agent/Administrative Assistant

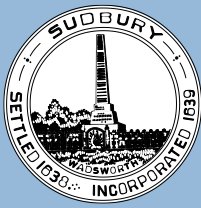
Volunteers

All Tax Work-off Program Senior Workers and any other volunteers.

Except to the extent that a position is or may be required by law to be classified as that of a “Regular” employee, all officials, appointees, boards, committees, and commissions not otherwise specifically designated as “Regular” or “Special” Employees are hereby classified as “Special Employees”.

Advisory committees and other temporary committees, Task Forces, and Blue Ribbon Committees not listed are classified as Special Municipal Employees until such time as they are dissolved or membership terms expire.

6/19/18



MISCELLANEOUS (UNTIMED)

6: Citizen's Comments

REQUESTOR SECTION

Date of request:

Requested by: Patty Golden

Formal Title: Citizen's Comments (cont.)

Recommendations/Suggested Motion/Vote: Citizen's Comments (cont.)

Background Information:

Financial impact expected:

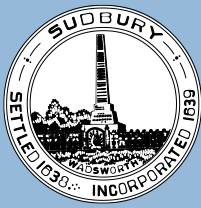
Approximate agenda time requested:

Representative(s) expected to attend meeting:

Review:

Patty Golden	Pending
Melissa Murphy-Rodrigues	Pending
Barbara Saint Andre	Pending
Robert C. Haarde	Pending
Board of Selectmen	Pending

06/19/2018 7:00 PM



SUDBURY BOARD OF SELECTMEN
Tuesday, June 19, 2018

MISCELLANEOUS (UNTIMED)

7: Upcoming agenda items

REQUESTOR SECTION

Date of request:

Requested by: Patty Golden

Formal Title: Discuss upcoming agenda items.

Recommendations/Suggested Motion/Vote: Discuss upcoming agenda items.

Background Information:

Financial impact expected:

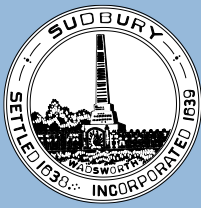
Approximate agenda time requested:

Representative(s) expected to attend meeting:

Review:

Patty Golden	Pending
Melissa Murphy-Rodrigues	Pending
Jonathan Silverstein	Pending
Robert C. Haarde	Pending
Board of Selectmen	Pending

06/19/2018 7:00 PM



SUDBURY BOARD OF SELECTMEN
Tuesday, June 19, 2018

CONSENT CALENDAR ITEM

8: Minutes approval

REQUESTOR SECTION

Date of request:

Requested by: Patty Golden

Formal Title: Vote to approve the regular session minutes of 5/7/18 and 5/15/18.

Recommendations/Suggested Motion/Vote: Vote to approve the regular session minutes of 5/7/18 and 5/15/18.

Background Information:
attached drafts

Financial impact expected:n/a

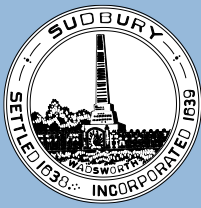
Approximate agenda time requested:

Representative(s) expected to attend meeting:

Review:

Patty Golden	Pending
Melissa Murphy-Rodrigues	Pending
Jonathan Silverstein	Pending
Robert C. Haarde	Pending
Board of Selectmen	Pending

06/19/2018 7:00 PM



SUDBURY BOARD OF SELECTMEN
Tuesday, June 19, 2018

CONSENT CALENDAR ITEM

9: Minuteman MOU

REQUESTOR SECTION

Date of request:

Requested by: Patty Golden

Formal Title: Vote to authorize Town Manager to sign Memorandum of Understanding (MOU) with the Town of Lincoln to provide bus transportation for Lincoln and Sudbury students enrolled in Minuteman High School. This commences August 28, 2018 and ends June 18, 2019. Total contract to exceed \$70,000.

Recommendations/Suggested Motion/Vote: Vote to authorize Town Manager to sign Memorandum of Understanding (MOU) with the Town of Lincoln to provide bus transportation for Lincoln and Sudbury students enrolled in Minuteman High School. This commences August 28, 2018 and ends June 18, 2019. Total contract to exceed \$70,000.

Background Information:
see attached

Financial impact expected:

Approximate agenda time requested:

Representative(s) expected to attend meeting:

Review:

Patty Golden	Pending
Melissa Murphy-Rodrigues	Pending
Jonathan Silverstein	Pending
Robert C. Haarde	Pending
Board of Selectmen	Pending

06/19/2018 7:00 PM

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MOU) is entered into by and between: The Town of Lincoln, 16 Lincoln Road, Lincoln, MA 01773 and the Town of Sudbury, 278 Old Sudbury Road, Sudbury, MA 01776.

A. Purpose:

To provide morning and afternoon bus transportation for students of the towns of Lincoln and Sudbury who are enrolled in Minuteman High School, 758 Marrett Road, Lexington, MA 02421.

B. Roles and Responsibilities:

The Town of Lincoln has contracted with Doherty's Garage, 161 Lincoln Road, Lincoln, MA 01773 to provide one morning bus route to Minuteman High School and one afternoon bus route from Minuteman High School for students enrolled in Minuteman High School and living in the towns of Lincoln, MA and Sudbury, MA. The daily cost for providing this bus transportation will be \$390. The Town of Lincoln's proportional costs will be determined by the number of students from the Town of Lincoln that are enrolled at Minuteman High School as of October 1, 2018 divided by the combined total number of students enrolled at Minuteman High School as of October 1, 2018 from the towns of Lincoln, MA and Sudbury, MA. The Town of Lincoln will issue invoices on a quarterly basis to the Town of Sudbury for their portion of transportation costs.

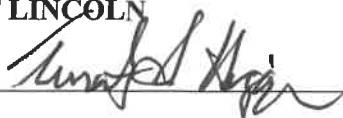
The Town of Sudbury will reimburse the Town of Lincoln, on a quarterly basis, for The Town of Sudbury's portion of the costs to provide morning and afternoon bus service to/from Minuteman High School for students enrolled in Minuteman High School and living in the towns of Lincoln, MA and Sudbury, MA. The Town of Sudbury's proportional costs will be determined by the number of students from the Town of Sudbury that are enrolled at Minuteman High School as of October 1, 2018 divided by the combined total number of students enrolled at Minuteman High School as of October 1, 2018 from the towns of Lincoln, MA and Sudbury, MA.

C. Timeframe:

This MOU will commence on the first day that students return for the 2018-2019 academic year at Minuteman High School, August 27, 2018 and ends on the last day of school for the 2017-2018 academic year at Minuteman High School, June 18, 2019. (The last day of school includes five snow days.)

This Memorandum of Understanding between The Town of Lincoln and the Town of Sudbury may be amended only by written agreement signed by each of the parties involved.

TOWN OF LINCOLN

Signature:  Date: 06/08/18

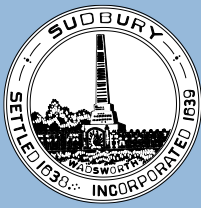
Timothy S. Higgins, Town Administrator
Town of Lincoln
16 Lincoln Road
Lincoln, MA 01773

TOWN OF SUDBURY

Signature: _____ Date: _____

Melissa Murphy-Rodrigues, Town Manager
Flynn Building
278 Old Sudbury Road
Sudbury, MA 01776

Attachment 9.a: MinutemanMOU2018-19 (2845 : Minuteman MOU)



SUDBURY BOARD OF SELECTMEN
Tuesday, June 19, 2018

CONSENT CALENDAR ITEM

10: Horsley Witten contract

REQUESTOR SECTION

Date of request:

Requestor: Town Manager Rodrigues

Formal Title: Vote to approve award of contract for Horsley-Witten to complete Master Plan for an amount not to exceed \$160,000.

Recommendations/Suggested Motion/Vote: Vote to approve award of contract for Horsley-Witten to complete Master Plan for an amount not to exceed \$160,000.

Background Information:

Financial impact expected:

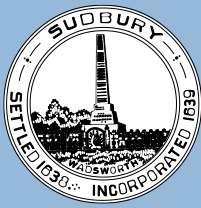
Approximate agenda time requested:

Representative(s) expected to attend meeting:

Review:

Patty Golden	Pending
Melissa Murphy-Rodrigues	Pending
Jonathan Silverstein	Pending
Robert C. Haarde	Pending
Board of Selectmen	Pending

06/19/2018 7:00 PM



SUDBURY BOARD OF SELECTMEN
Tuesday, June 19, 2018

CONSENT CALENDAR ITEM

11: Jacobs contract

REQUESTOR SECTION

Date of request:

Requestor: Town Manager or Selectman Simon

Formal Title: Vote to approve award of contract by the Town Manager to Jacobs of Boston, MA for structural engineering for the Bruce Freeman Rail Trail project as outlined in their engineering services proposal dated June 7, 2018, in the amount of \$146,700, as requested by the Town Manager.

Recommendations/Suggested Motion/Vote: Vote to approve award of contract by the Town Manager to Jacobs of Boston, MA for structural engineering for the Bruce Freeman Rail Trail project as outlined in their engineering services proposal dated June 7, 2018, in the amount of \$146,700, as requested by the Town Manager.

Background Information:
see attached documents provided by Beth Suedmeyer, Environmental Planner.

Financial impact expected:

Approximate agenda time requested:

Representative(s) expected to attend meeting:

Review:

Patty Golden	Pending
Melissa Murphy-Rodrigues	Pending
Jonathan Silverstein	Pending
Robert C. Haarde	Pending
Board of Selectmen	Pending

06/19/2018 7:00 PM



120 St. James Ave, Boston, MA 02116
Tel 617.242.9222 Fax 617.242.9824

June 7, 2018

Town of Sudbury
Planning and Community Development Office
278 Old Sudbury Road
Sudbury, MA 01776
ATTN: Melissa Murphy-Rodrigues, Esq., Town Manager

**Re: 25% Structural Engineering/Design Services
Bruce Freeman Rail Trail (MassDOT Project 608164)
PRICE PROPOSAL**

Dear Ms. Murphy-Rodrigues,

Enclosed you will find Attachment B: PRICE PROPOSAL completed as required. We acknowledge this price quote will be honored until August 31, 2018.

Should you have any questions regarding our proposal, or require additional information, please contact either Ms. Williamson or myself at 617-242-9222, or via email at david.chamberlain@jacobs.com or rebecca.williamson@jacobs.com.

Respectfully submitted,

David M. Chamberlain, PE
Division Vice President - Operations

Attachment11.a: Jacobs_BRFT_Structural_Price_2018-06-07 (2843 : Jacobs contract)

ATTACHMENT B: Price Proposal

Town of Sudbury

25% Engineering/Design Services Bruce Freeman Rail Trail
Structural Design

Name of firm submitting: Jacobs Engineering Group

Contact Person: Rebecca Williamson, PE

Address: 120 St. James Avenue, 5th Floor

Telephone: 617-532-4316

Email Address: rebecca.williamson@jacobs.com

25% Design Services to achieve MassDOT approval as proposed:

Subtotals for:	<u>\$146,700</u>
Project Development-Structural	<u>\$ 17,560</u>
Design Public Hearing	<u>\$ 2,260</u>
Geotechnical Study and Report	<u>\$ 31,480</u>
Hydraulics Study and Report	<u>\$ 17,670</u>
Sketch Plans Development and Submission —(including the Type Study Reports) *	<u>\$ 33,790</u>
Environmental Permitting	<u>\$ 11,240</u>
Direct Expenses (Borings, Mileage, Printing)	<u>\$ 32,700</u>

Note: Please include MassDOT Scoping Workbook Hours Estimate and Summary Tables

**Per MassDOT Scoping Workbook methodology, Type Study Reports are included in "Project Development-Structural."*

Attachment11.a: Jacobs_BRFT_Structural_Price_2018-06-07 (2843 : Jacobs contract)

SCOPING WORKBOOK Form 1.3 Work Hour Estimate

City/Town	Sudbury				Contract No.:						
Location:	Bruce Freeman Rail Trail				Assignment No.:						
					ProjInfo No.:						608164
SECTION 150											
ENVIRONMENTAL											
					PIC	PM	SE	Eng	AE	ET	TOTAL
151	Early Environmental Coordination Checklist										
152	Hist./Arch. Impacts (Section 106 and Chapter 254)										
153	Reserved										
154	Hazardous Materials Research/Review										
155	Project Development Meetings and Hearings										
156	NEPA/MEPA Determination										
157	NEPA - Categorical Exclusion (CE)										
158	NEPA - Environmental Assessment (EA)										
159	NEPA - Draft Environmental Impact Statement (EIS)										
160	NEPA - Final Environmental Impact Statement (EIS)										
161	NEPA - Supplemental Environmental Impact Statement (EIS)										
162	NEPA - Reevaluation										
163	MEPA - Environmental Notification Form (ENF)										
164	MEPA - Draft Environmental Impact Report (DEIR)										
165	MEPA - Final Environmental Impact Report (FEIR)										
166	MEPA - Notice of Project Change (NOPC)										
167	MEPA - Supplemental Environmental Impact Report (SEIR)										
168	Reserved										
169	Reserved										
170	USACE Section 404 General Permit (GP)										
171	USACE Individual Section 404 Permit										
172	U.S. Coast Guard Bridge Permit										
173	Programmatic Section 4(f) Evaluation										
174	Draft Individual Section 4(f) Evaluation										
175	Final Individual Section 4(f) Evaluation										
176	Wetland Resource Area Delineation										
177	Wetlands Protection Act (WPA) ANRAD					2	10	15	15		42
178	WPA - Request for Determination of Applicability										
179	WPA - Notice of Intent (NOI)					2	10	20	40		72
180	WPA - Variance										
181	Chapter 91 License/Permit Application										
182	Water Quality Certification (401)										
183	Coastal Zone Management Consistency Certificate										
184	Wildlife/Rare Species Assessment										
185	Essential Fish Habitat Assessment										
186	Reserved										
187	Impaired Waterbody Assessment and Water Quality Data Form										
	SUBTOTAL					4	20	35	55		114

Attachment11.a: Jacobs_BRFT_Structural_Price_2018-06-07 (2843 : Jacobs contract)

SCOPING WORKBOOK Form 1.3 Work Hour Estimate

City/Town	Sudbury				Contract No.:						
Location:	Bruce Freeman Rail Trail				Assignment No.:						
						ProjInfo No.:	608164				
SECTION 350											
DESIGN PUBLIC HEARING											
				PIC	PM	SE	Eng	AE	ET	TOTAL	
351	Hearing Preparation					4		8		12	
352	Design Public Hearing				4	4				8	
				SUBTOTAL		4	8	8		20	
SECTION 600											
GEOTECHNICAL REPORT											
				PIC	PM	SE	Eng	AE	ET	TOTAL	
601	Research Available Subsurface Data					2	2			4	
602	Field Reconnaissance					4		4		8	
603	Subsurface Investigation Plan					8	12			20	
604	Subsurface Investigation Inspection						20	60		80	
605	Office Studies, Analysis and Testing					10	30	54		94	
606	Geotechnical Reports (3 Separate Reports)					10	44	36		90	
607	Meetings, Reviews and Liaison			4	4	16				24	
608	Final Plans, Specifications and Estimate										
				SUBTOTAL		4	4	50	108	154	320
SECTION 700											
PROJECT DEVELOPMENT - STRUCTURAL- BR. NO. S-31-XXX (XXX) BOARDWALK											
				PIC	PM	SE	Eng	AE	ET	TOTAL	
701	Field Investigation					4		4		8	
702	Determine Bridge Configuration					4		4		8	
703	Preliminary Structural Analysis					4	8	12		24	
704	Comparative Design and Cost Analyses					4	12	16		32	
705	Preliminary Structures Report Preparation										
706	Bridge Type Selection Worksheet Preparation				4	16	32	40		92	
707	Meetings and Liaison			4	4					8	
708	Hydraulics Study and Report (Bridges over Water)										
				SUBTOTAL		4	8	32	52	76	172

Attachment11.a: Jacobs_BRFT_Structural_Price_2018-06-07 (2843 : Jacobs contract)

SCOPING WORKBOOK Form 1.3 Work Hour Estimate

City/Town	Sudbury				Contract No.:				
Location:	Bruce Freeman Rail Trail				Assignment No.:				
					ProjInfo No.:	608164			
SECTION 710									
SKETCH PLANS - BR. NO. S-31-XXX (XXX) BOARDWALK									
			PIC	PM	SE	Eng	AE	ET	TOTAL
711	Establish Boring Locations					2			2
712	Hydraulics Study and Report (Bridges over Water)								
713	Sketch Plan Development			2	8	32	8	48	98
714	Meetings, Coordination and Liaison			4	4				8
715	Constructability Review			4	4				8
716	Submission Checklist			2		4			6
SUBTOTAL			2	10	20	34	8	48	122
SECTION 710									
SKETCH PLANS - BR. NO. S-31-007 (XXX) HOP BROOK									
			PIC	PM	SE	Eng	AE	ET	TOTAL
711	Establish Boring Locations					2			2
712	Hydraulics Study and Report (Bridges over Water)								
713	Sketch Plan Development			2	8	32	16	56	114
714	Meetings, Coordination and Liaison			4	4				8
715	Constructability Review			4	4				8
716	Submission Checklist			2		4			6
SUBTOTAL			2	10	20	34	16	56	138
SECTION 710									
SKETCH PLANS - BR. NO. S-31-013 (XXX) PANTRY BROOK									
			PIC	PM	SE	Eng	AE	ET	TOTAL
711	Establish Boring Locations					2			2
712	Hydraulics Study and Report (Bridges over Water)			4	24	140			168
713	Sketch Plan Development			2	8	32	16	48	106
714	Meetings, Coordination and Liaison			4	4				8
715	Constructability Review			4	4				8
716	Submission Checklist			2		4			6
SUBTOTAL			2	14	44	174	16	48	298

Attachment11.a: Jacobs_BRFT_Structural_Price_2018-06-07 (2843 : Jacobs contract)

SCOPING WORKBOOK Form 1.4 Summary Table

City/Town	Sudbury						Contract No.:	0		
Location:	Bruce Freeman Rail Trail						Assignment No.:	0		
	0						ProjInfo No.:	608164		
HOURLY RATE SUMMARY										
				PIC	PM	SE	Eng	AE	ET	
DIRECT HOURLY RATE (\$) (Design)				\$80.00	\$56.00	\$56.00	\$42.00	\$35.00	\$20.00	
DIRECT HOURLY RATE (\$) (Construction)										
HOURLY RATE (\$) (Design)				\$189.73	\$132.81	\$132.81	\$99.61	\$83.01	\$47.43	
HOURLY RATE (\$) (Construction)				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
WORK HOUR AND FEE SUMMARY										
TASK DESCRIPTION			PIC	PM	SE	Eng	AE	ET	Task Hour	Task Fee
150	ENVIRONMENTAL		0	4	20	35	55	0	114	\$ 11,239.14
350	DESIGN PUBLIC HEARING		0	4	8	0	8	0	20	\$ 2,257.79
600	GEOTECHNICAL REPORT		4	4	50	108	154	0	320	\$ 31,471.48
700	PROJ DEV - STRUCT - BR. NO. S-31-XXX (B'DWALK)		4	8	32	52	76	0	172	\$ 17,559.52
710	SKETCH PLANS - BR. NO. S-31-XXX (B'DWALK)		2	10	20	34	8	48	122	\$ 10,691.29
710	SKETCH PLANS - BR. NO. S-31-007		2	10	20	34	16	56	138	\$ 11,734.81
710	SKETCH PLANS - BR. NO. S-31-013		2	14	44	174	16	48	298	\$ 29,019.22
TOTAL WORK-HOURS			14	54	194	437	333	152	1184	
									TOTAL FEE	\$ 113,973.23
ACTUAL PERCENTAGES			1	5	16	37	28	13		
(TYPICAL PERCENTAGES)			1-3%	10-15%	15-25%	25-35%	10-15%	10-15%		
						DESIGN	CONSTRUCTION			TOTALS
(a) Salary Costs					\$ 48,057.00	\$ -				\$ 48,057.00
(b) Indirect Costs (%)		113.66%			\$ 54,621.59	\$ -				\$ 54,621.59
(c) Net Fee (%)		11.00%			\$ 11,294.64	\$ -				\$ 11,294.64
TOTAL LIMITING FEE					\$ 113,973.23	\$ -				\$ 113,973.23
(d) Direct Expenses		Subsurface Exploration (see Breakdown)			\$ 32,000.00					
		Mileage			\$ 500.00					
		Printing, Mailing			\$ 200.00					
					\$ 32,700.00	\$ -				\$ 32,700.00
MAXIMUM PAYMENT AMOUNT					\$ 146,673.23	\$ -				\$ 146,673.23
MAXIMUM OBLIGATION										\$ 146,700.00

Attachment11.a: Jacobs_BRFT_Structural_Price_2018-06-07 (2843 : Jacobs contract)

Bruce Freeman Rail Trail - Summary of Subsurface Exploration

Item No.	Item Description	Estimated Quantities	Unit	Unit Price	Amount
1	Utility Clearance	3	EA	\$ 150.00	\$ 450.00
2	Mob/Demob. of Boring Equipment (ATV Rig)	1	LS	\$ 500.00	\$ 500.00
3	Mob/Demob. of Excavation Equipment	1	LS	\$ 375.00	\$ 375.00
4	Soil Boring (Cased-Rotary Wash)	280	LF	\$ 54.50	\$ 15,260.00
5	Additional Split Spoon Samples	20	EA	\$ 41.00	\$ 820.00
6	Sample Jar Cases	12	EA	\$ 13.20	\$ 158.40
7	Core Borings (NX)	30	LF	\$ 77.00	\$ 2,310.00
8	Drilling Through Obstructions	3	HR	\$ 350.00	\$ 1,050.00
9	Stand-by Time	4	HR	\$ 306.00	\$ 1,224.00
10	Test Pits	3	DAY	\$ 1,700.00	\$ 5,100.00
11	Misc Expendables	1	LS	\$ 500.00	\$ 500.00
TOTAL					\$ 27,747.40

Assumptions

- Prices based on unit bid prices received from New England Boring Contractor - 9/2017 assuming prevailing wage rates
- Total of 10 borings from 20 to 40 feet each
 - 4 bridge borings to bedrock, 2 with 10 ft core. 6 boardwalk borings, 1 with 10' core.
- Prevailing wage included in drilling footage rates and excavator day rates

Item	Description of Test	Quantity	Rate	Cost
1	Grain Size Analyses (Sieve only)	12	\$ 75.00	\$ 900.00
2	Atterberg Limits	10	\$ 80.00	\$ 800.00
3	Moisture Contents	20	\$ 10.00	\$ 200.00
4	Organic Content	5	\$ 45.00	\$ 225.00
5	Soil Corrosivity Tests (includes chloride, sulfate, electrical resistivity, and pH)	5		
5a	Chloride Content	5	\$ 95.00	\$ 475.00
5b	Sulfate Content	5	\$ 110.00	\$ 550.00
5c	Resistivity	5	\$ 110.00	\$ 550.00
5d	pH	5	\$ 30.00	\$ 150.00
6	Sample Pick-up	1	\$ 150.00	\$ 150.00
Total:				\$ 4,000.00

- Testing pricing based on Geotesting 2018 Price List

Grand Total: \$ 31,747.40

SAY \$ 32,000.00

Attachment11.a: Jacobs_BRFT_Structural_Price_2018-06-07 (2843 : Jacobs contract)

MassDOT - HIGHWAY DIVISION

SCOPING WORKBOOK

Contract No #	EXHIBIT B		BUDGET -	
	COST PLUS			
0				
		PRELIMINARY ENGINEERING	CONSTRUCTION ENGINEERING	TOTALS
(a) Salary Costs		\$48,057.00	\$0.00	\$48,057.00
(b) Indirect Costs	113.66%	\$54,621.59	\$0.00	\$54,621.59
(c) Net Fee	11.00%	\$11,294.64	\$0.00	\$11,294.64
TOTAL LIMITING FEE		\$113,973.23	\$0.00	\$113,973.23
(d) Direct Costs		\$32,700.00	\$0.00	\$32,700.00
MAX PAYMENT AMOUNT		\$146,673.23	\$0.00	\$146,673.23
MAXIMUM OBLIGATION				\$146,700.00

Attachment11.a: Jacobs_BRFT_Structural_Price_2018-06-07 (2843 : Jacobs contract)



Town of Sudbury
25% Structural Engineering/Design Services

Bruce Freeman Rail Trail
(MassDOT Project 608164)

TECHNICAL PROPOSAL

June 7, 2018



Attachment11.b: Jacobs_BRFT_Structural_Technical_2018-06-07 (2843 : Jacobs contract)



June 7, 2018

Town of Sudbury
Planning and Community Development Office
278 Old Sudbury Road
Sudbury, MA 01776
ATTN: Melissa Murphy-Rodrigues, Esq., Town Manager

**Re: 25% Structural Engineering/Design Services
Bruce Freeman Rail Trail (MassDOT Project 608164)
TECHNICAL PROPOSAL**

Dear Ms. Murphy-Rodrigues,

Jacobs Engineering Group Inc. (Jacobs) is delighted at the opportunity to present this proposal to the Town of Sudbury for 25% Structural Engineering/Design Services related to the Bruce Freeman Rail Trail project. Jacobs is a global design and construction services leader, with a long-established and regionally-focused local Boston office. We bring over 50 years of experience working with MassDOT, and we have worked with most of the major agencies in the Commonwealth, along with many municipal governments and communities. We understand the demands of elected officials and professionals who are charged with finding appropriate solutions within budget constraints – while at the same time maintaining and procuring the resources to produce high-quality design and engineering services for roads, bridges, and other infrastructure which helps to keep a city functioning and serves to enhance its image.

Our Project Manager will be **Rebecca (Becky) Williamson, PE**, who brings decades of relevant experience and has been working on other phases of the Bruce Freeman Rail Trail since 2006, in addition to countless other rail trails throughout Massachusetts since 1997. Prior to joining Jacobs in June of 2017 and prior to the design for the Sudbury BFRT being commenced, Becky attended Board of Selectmen meetings regarding the project, assisted the Town of Sudbury with preparing mapping for presentation at the Boston MPO meeting in an attempt to get the project programmed and walked the entire trail so is very familiar with the project in its entirety. As our New England Highway/Bridge Market Sector Lead, Ms. Williamson will make certain that our team have access to all of the necessary resources to successfully complete this project.

Having all of the necessary disciplines in-house will allow us to expedite schedule, and not have to rely on subconsultant support.

Jacobs meets the following Highly Advantageous Evaluation Criteria as described in the RFP:

- ✓ Our team has experience working on five or more rail trail or bridge projects
- ✓ Our proposal demonstrates significant experience working on like projects
- ✓ Our proposal demonstrates significant experience of completing like projects on time and within budget
- ✓ Our proposal clearly and comprehensively articulates an understanding of the project
- ✓ Our proposal addresses an approach to each defined task in a credible and sensible way
- ✓ Our proposal demonstrates mastery of the process necessary to manage projects and complete tasks
- ✓ Our proposal has a clear and credible approach to dealing with unknowns and project contingencies if and when they emerge
- ✓ Our proposal provides a comprehensive, well-conceived project plan with logical steps and realistic timeframes
- ✓ Our proposal includes references which show that the firm, our PM, and key personnel have positively and successfully completed similar, relevant projects on time and within budget

On behalf of the Jacobs Team, we appreciate this opportunity to present our qualifications and to express our interest in supporting the Town of Sudbury. We look forward to your favorable review of the attached proposal, and to leverage our team's expertise to help you to realize your project goals.



120 St. James Ave, Boston, MA 02116
Tel 617.242.9222 Fax 617.242.9824

As Division Vice President, I have the authority to negotiate and contractually commit to all services for the Town of Sudbury.

If you require any additional information, please do not hesitate to contact either Ms. Williamson or myself. We can be reached by phone at 617-242-9222, or via email at david.chamberlain@jacobs.com or rebecca.williamson@jacobs.com.

Sincerely,

A handwritten signature in cursive script that reads "David M. Chamberlain".

David M. Chamberlain, PE
Division Vice President - Operations

Attachment11.b: Jacobs_BRFT_Structural_Technical_2018-06-07 (2843 : Jacobs contract)

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Technical Proposal

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Price Proposal

(Provided in a separate volume)

B. Statement of Project Understanding and Approach

Project Understanding

The Town of Sudbury, in conjunction with the Massachusetts Department of Transportation (MassDOT), has initiated preliminary design of a 4.6-mile segment of the proposed 25-mile Bruce Freeman Rail Trail (BRFT). This section is located entirely within the Town of Sudbury. The new shared-use path will consist of a 10-foot wide paved surface with 2-foot shoulders. The Town submitted a 25% design package to MassDOT for review and approval in September 2017.

Included within the limits of the project are three structures that are either new or require reconstruction. The 25% design submission did not include all of the information for the work to be performed on these structures necessary for MassDOT to approve the 25% design for the overall project and allow the project to proceed to final design. MassDOT has requested additional information/documents for each structure, which will be prepared under this new contract. The following is a brief description of each structure and the work remaining to complete the 25% design:

- Br. No. S-31-007(XXX) – BFRT over Hop Brook:** The existing abandoned railroad bridge is a single span, steel deck girder structure supported on stone abutments. The existing span length is approximately 27'-7". A Preliminary Structures Report has been prepared for the bridge which concluded that the structure is in satisfactory condition and can be reused. The scope of work would include minor repairs to the abutments and construction of a new timber deck and railing system installed on the existing girders. The superstructure would need to be jacked up and realigned to accommodate the rail trail alignment. The existing bridge bearings would also be replaced as part of the realignment. MassDOT has approved the recommended structural rehabilitation/modification. The work remaining to be completed for this bridge is preparation of the Bridge Sketch Plans in accordance with the standards and procedures outlined in the MassDOT 2013 LRFD Bridge Manual. No hydraulic report will be required for this bridge, however, a geotechnical report will be required.
- Br. No. S-31-013(XXX) – BFRT over Pantry Brook:** The existing structure is a single span steel girder former railroad bridge supported on stone abutments. The clear distance between the faces of the stone abutments is 12 feet. The bridge has partially collapsed, reportedly due to a breach of beaver dam located upstream. Due to poor condition of the existing superstructure and the partial collapse of the north abutment, the bridge is being completely replaced. A Bridge Type Selection Worksheet has been completed, which recommended a new single span galvanized steel arch span be constructed. MassDOT did not accept that recommendation and, in turn, recommended that a precast concrete arch be considered. The Bridge Type Selection Worksheet is being revised to include that structure type. The work remaining to be completed for this bridge is preparation of the Bridge Sketch Plans in accordance with the standards and procedures outlined in the MassDOT 2013 LRFD Bridge Manual. As specified in the Manual, the Sketch Plan submission must include a hydraulic report/scour analysis and a geotechnical report.
- Br. No. S-31-XXX(XXX) – Proposed Boardwalk:** To minimize potential impacts to existing wetlands, the preliminary design has proposed to construct a 750-foot long elevated boardwalk approximately from Stations 166+50 to 174+00. To date, no evaluation of potential structure types has been performed for the boardwalk. The work to be performed for this structure consists of preparation of a Bridge Type Selection Worksheet, which will compare feasible structure types and span configurations and make a recommendation as to the preferred option. Upon approval of the recommended structure type and span arrangement by the MassDOT State Bridge Engineer, we will prepare Bridge Sketch Plans and Geotechnical Report.

In addition to the bridge related tasks, the Scope of Services also includes two environmental permitting tasks:

- **ANRAD Amendment Preparation:** The work will consist of preparing a request for a revision to the conditional Order of Resource Area Determination (ORAD) to verify perennial and intermittent streams and functioning vernal pools.
- **WPA Notice of Intent(NOI):** The work will consist of preparing an NOI for vegetation removal along the right-of-way to allow access for drilling equipment needed to perform the required geotechnical borings for the structures on the project.

Jacobs is familiar with the Town of Sudbury Wetlands Bylaw Regulations and the presence of numerous natural resource area within the project limits. At the Pantry Brook structure, there is designated FEMA regulatory floodway, wetlands and bank. Hop Brook is a Division of Fish and Wildlife Coldwater Fisheries Resource and there are wetlands and bank. The boardwalk will be constructed over wetlands. Minimization of impacts to these resource areas will be critical and kept in mind as the sketch plans are developed.

Jacobs understands that there are mixed feelings in the town with regard to the project, its advancement and proposed construction, that the Town has established a Bruce Freeman Rail Trail Design Task Force and that the Board of Selectmen are committed to developing an overall project and vision for this rail trail conversion. A successful Design Public Hearing will be critical to advancing this project through the final design process. In addition to the design efforts to complete the structural work required to advance the design, Jacobs will prepare for and attend the Design Public Hearing to discuss the three proposed structures along the Bruce Freeman Rail Trail and respond to any questions/comments from the public.

Approach

We understand that the Town is looking to expedite completion of the remaining items needed to obtain approval of the 25% design and hold the required Design Public Hearing. The target date for submission of the 25% design Bridge Sketch Plans is September 2018, assuming a June 20, 2018 notice-to-proceed. While aggressive, we believe that timeline can be met. We have committed a highly experienced leadership team of **Rebecca (Becky) Williamson, PE** as the Project Manager and **Darren Conboy, PE** as the Lead Structural Engineer to lead our effort. They bring a combined 70 years of experience on similar projects. They are well-known to MassDOT and fully understand MassDOT's policies, procedures and standards for this type of project. They will be supported by a local staff of over 300 engineers, architects, and scientists. We have the ability to perform all of the tasks with in-house personnel allowing for very efficient coordination between disciplines. We have the depth of resources needed to complete the work in the required time period, including 25 structural and 22 geotechnical engineers.

A detailed description of our approach to performing the required tasks is included in the next section. Close coordination and collaboration with the Town's staff, including Project Manager, Beth Suedmeyer, will be key to meeting the schedule. In addition to the required monthly progress reports, we would propose bi-weekly, or weekly if needed, conference calls with the Town staff, to discuss the status of the work and any issues that need to be resolved. Jacobs will also coordinate with the Sudbury Conservation Commission as necessary to amend the ORAD and prepare and file the NOI.

Jacobs will coordinate with MassDOT District and Boston staff throughout the design process to ensure that the project advances smoothly and quickly.

C. MassDOT Highway Division Scoping Workbooks

Fully completed MassDOT Highway Division Scoping Workbooks, including Work Hour Estimate and Summary Table, with recommended Scope of Services responsive to the requirements herein, and any deviations therefrom, are provided on the following pages.

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HIGHWAY DIVISION**

PART B – TASK DESCRIPTIONS

The following information provides a comprehensive description of tasks that may be required to design a MassDOT project. It is understood that certain projects may have specific circumstances that will require that additional tasks be defined and negotiated. Additional tasks shall be numbered consistent with the appropriate Section and added to the Work Hour Estimate Form.

General

Jacobs assumes that the Civil 3D Cad files for the proposed rail trail will be made available to assist with the preparation of the Bridge Type Selection Worksheet for the boardwalk and sketch plans for all structures.

SECTION 150 ENVIRONMENTAL

The project will include construction activities of excavation, filling, grading, and paving within or near wetland resources subject to federal, state and local regulation.

The following task descriptions included in this Section provide a basic description of the various actions to be taken in the environmental permitting process. MassDOT's Environmental Services Division should be consulted regarding all environmental permitting requirements.

177 WPA Abbreviated Notice of Resource Area Determination (ANRAD)

Prepare a request for a revision to the conditional ORAD to verify perennial and intermittent streams and functioning vernal pools based on currently available information and field studies. Tasks include preparation of all associated forms and backup documentation, coordination during review, site walks, and attending conservation commission meetings. Assume attendance will be necessary at 2 meetings, with 2 people for a total of 12-hours.

179 WPA Notice of Intent (NOI)

Prepare and submit an NOI to the local conservation commission in accordance with the WPA and the Town of Sudbury Bylaws for; 1) vegetation removal along the former rail bed right-of-way as needed for access by geotechnical drilling equipment and 2) geotechnical borings at proposed bike path structure locations. Tasks include preparation of all associated forms and backup documentation: permit plans, coordination during review, site walks, and attending conservation commission hearings. Assume attendance will be necessary at 2 meetings, with 2 people for a total of 12-hours.

SECTION 350 DESIGN PUBLIC HEARING

351 Hearing Preparation

Jacobs will prepare the graphics and other visual aids for the structures to display at the public hearing.

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352 Design Public Hearing

Jacobs will attend Design Public Hearing, present the project to the public and respond to questions. Assist MassDOT in preparing written responses to letters received from concerned individuals as a result of the hearing.

SECTION 600 GEOTECHNICAL DESIGN

Jacobs will conduct an exploration program to assess subsurface conditions and depth to bedrock as a basis for the design of the foundations for the following structures.

Boardwalk Structure

The proposed exploration program will include six borings and five test pits spaced evenly along the 750-foot length of the boardwalk, from Station 166+50 to Station 174+00.

Br. Nos. S-31-007 and S-31-013

The proposed exploration program will include four borings and four test pits.

Jacobs will submit to MassDOT for approval a proposed program of borings, test pits or other field or laboratory tests. For Bridge Nos. S-31-007 and S-31-013, the locations for the proposed bridge borings and test pits will be located based on an approved structure type.

Field inspectors shall be furnished by Jacobs. Jacobs will be responsible for properly identifying, describing and classifying soil and rock encountered in sub-surface investigations pursuant to the standard of care. The inspector shall follow the MassDOT's boring inspection procedures, which include, but are not limited to the following: an inspector's check list for site work, scope of work and description of the subsurface operations; special provision items and supplemental specifications; visual identification of soil and rock samples; standard penetration tests and soil descriptions; and standard operating procedures for recording daily boring activities. Jacobs will visually and manually examine all soil samples and rock cores.

601 Research Available Subsurface Data

Jacobs will research, compile, and evaluate available subsurface and foundation data relative to the project site (plans, maps, etc.).

602 Field Reconnaissance

Jacobs will visit the site to assess equipment access requirements and to mark the exploration locations in the field by taping the distances from the corners of the existing intersection.

603 Subsurface Investigation Plan

Jacobs will prepare a subsurface investigation plan (borings, test pits, location, depth, etc.) in

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accordance with the Bridge Manual for MassDOT review. We will finalize the plan based on any comments received from MassDOT. We will also prepare the specifications for the boring contract, which will be paid for as a direct expense.

Jacobs will hire a drilling subcontractor to perform the explorations and contact the utility clearance agency (Dig Safe Systems, Inc.) and the Town of Sudbury. Jacobs will rely on the Town personnel to clear our boring and test pit locations for water, sewer, and drains.

604 Subsurface Investigation Inspection

Jacobs will conduct on-site inspections during subsurface operations. We will follow inspection procedures, coordinate activities with MassDOT as needed, and verify and record quantities for records and payment.

Boardwalk Structure

The drilling subcontractor will advance six soil borings to depths of 20 feet or to refusal, whichever occurs first. If refusal is encountered at depths shallower than 20 feet, one 10-foot rock core will be obtained in one boring. The drilling subcontractor will perform standard penetration tests (SPT) and will obtain split-spoon samples continuously to a depth of 8 feet and at 5-foot intervals thereafter. The drilling subcontractor will also perform five test pits to an approximate depth of 8 feet along the boardwalk alignment.

Br. Nos. S-31-007 and S-31-013

At each bridge S-31-007 and S-31-013, the drilling subcontractor will advance two soil borings to depths of 40 feet or to refusal, whichever occurs first. If refusal is encountered at depths shallower than 40 feet, one 10-foot rock core will be obtained in one boring at each bridge. The drilling subcontractor will perform standard penetration tests (SPTs) and will obtain continuous split-spoon samples in the top 12 feet and at 5-foot intervals thereafter. The drilling subcontractor will also perform two test pits at each bridge to an approximate depth of 8 feet behind the existing abutments to assess existing abutment geometry.

605 Office Studies, Analysis and Testing

Jacobs will review soil/rock samples and field/laboratory test results. We will perform seismic site class and a liquefaction assessment, evaluate corrosivity of on-site soils, evaluate the foundation options and determine parameters for foundation design and construction. Laboratory testing will include grain size distribution, Atterberg limits, moisture content, organic content, and corrosivity testing.

606 Geotechnical Report

Jacobs will prepare a Geotechnical Report for each structure in accordance with the MassDOT LRFD Bridge Manual and other guidelines. The report will summarize the subsurface exploration program at the bridges and boardwalk, including laboratory testing results and geotechnical analyses and present design and construction recommendations. Analyses will be performed in accordance with the MassDOT LRFD Bridge Manual. We will coordinate with

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structural engineers and correlate the contents of the reports with the project construction plans. A sufficient number of copies of these reports, as determined by MassDOT, shall be submitted by the Consultant for review and retention by MassDOT.

607 Meetings, Reviews and Liaisons

Jacobs will coordinate and meet with MassDOT for reviews, revisions, and advancement of our Geotechnical Reports and geotechnical related project submittals.

SECTION 700 PROJECT DEVELOPMENT – STRUCTURAL

The following scope is for the design of a 750-foot boardwalk between Stations 166+50 – 174+00. Due to the wetlands crossing and impacts from shallow foundation construction operations, the boardwalk is assumed to be founded on pile foundations. Per MassDOT requirements, project development will include evaluation of superstructure material types, span arrangements and costs. The proposed live load is 90 psf pedestrian live load, or an H10 emergency vehicle.

Jacobs will establish the site parameters and constraints that will impact the design and construction of the bridge structure through a field investigation, review of information related to the existing structure (if any), review of available hydraulic and scour data, geotechnical data, environmental information, cultural resource information, and hazmat information. Jacobs will use this information to determine the most appropriate type of structure for the site that addresses these parameters and constraints to be pursued in the Final Bridge Design work.

701 Field Investigation

Jacobs will conduct a field inspection to review the bridge site and adjacent conditions, and establish project parameters and constraints. Evaluate the ground survey to determine the parameters for bridge design.

702 Determine Boardwalk Configurations

Jacobs will collaborate with the highway designer to determine the vertical and horizontal alignments and typical cross-sections for the boardwalk. Determine preliminary span length arrangements for varying superstructure material options and span capacity, and vertical bridge clearance. It is assumed the boardwalk will not carry utilities.

703 Preliminary Structural Analysis

Jacobs will determine boardwalk material types. Perform a preliminary structural analysis to determine the approximate span lengths and superstructure depth. The span arrangement for a given material type assumes consistent span lengths throughout the structure length. Preliminary analysis includes a single typical span length.

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704 Comparative Design and Cost Analyses

Jacobs will evaluate those alternate superstructure types that are appropriate to the site based on considerations of pathway design parameters, impacts to surrounding properties and environmentally sensitive areas, traffic management, constructability, and aesthetics. Cost shall only be used to select between alternates that have been determined to be equally appropriate to the site based on the Type Section Worksheet.

705 Preliminary Structures Report Preparation

There is no work anticipated under this item.

706 Boardwalk Type Selection Worksheet Preparation

Jacobs will prepare a Type Selection Worksheet per the MassDOT Bridge Manual detailing the various design alternatives for the bridge, complete with appropriate graphics, descriptive text and cost breakdowns justifying the recommendations presented.

707 Meetings and Liaison

Jacobs will attend meetings and coordinate with MassDOT during the preparation of the Type Selection Worksheet to advance the work. Jacobs will also respond to Town and MassDOT review comments.

SECTION 710 SKETCH PLANS

711 Establish Boring Locations

Jacobs will determine the locations for the proposed borings and test pits based on an approved structure type. Coordinate the boring program and the geotechnical design with MassDOT's Geotechnical Section. Prepare the boring location plans.

712 Reserved

713 Sketch Plan Development

Jacobs will prepare sketch plans for the boardwalk and Br. Nos. S-31-007 and S-31-013 in accordance with the MassDOT Bridge Manual. Submit review copies together with the foundation report to MassDOT. Check to ensure that the proposed design and construction staging plan addresses the cost and scheduling impacts associated with accommodating both existing and proposed utilities. Review the boring logs and foundation reports. Perform geometric design calculations. It is assumed that Jacobs will have to recreate the sketches presented in the Preliminary Structures Report for Br. No. S-31-007 and the Bridge Type Selection Worksheet for Br. No. S-31-013.

**MASSACHUSETTS DEPARTMENT OF TRANSPORTATION
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Jacobs will prepare updated construction cost estimates for the boardwalk and Br. Nos. S-31-007 and S-31-013.

714 Meetings, Coordination and Liaison

Jacobs will participate in MassDOT Sketch Plan review meetings and prepare responses to Town and MassDOT comments and plan revisions, as necessary.

715 Constructability Review

Jacobs will review the design of the proposed structures to ensure that the structures do not present any unusual matters that would unduly increase the cost the project or present potential scheduling delays during construction resulting in claims for extra work. Particular attention must be given to the proposed construction staging and available right of way.

716 Submission Checklist

Jacobs will prepare and submit Bridge Section Checklist.

717 Hydraulics Study and Report (Bridges over Water)

For new construction, and based on the existing abutment failure at Br. No. S-31-013, a Hydraulics Study and report will be required in accordance with the MassDOT LRFD Bridge Manual. The National Flood Insurance Program (NFIP) study has determined that Pantry Brook is located in a regulatory floodplain (AE Zone) at the bridge location.

Per the MassDOT LRFD Bridge Manual, the proposed bridge will be configured to provide 2-feet of freeboard (clearance) from the hydraulic design flood water surface elevation top of bridge opening. Based on the “No-Rise” criteria for floodway encroachment, the proposed bridge replacement cannot result in a rise in the base flood elevation (100-year) of the regulatory floodway. The current effective NFIP hydraulic model will be obtained from the FEMA archives (if one is available). The obtained hydraulic model with existing structure information will be calibrated to reproduce the base flood elevation (BFE) shown on the Flood Insurance Study (FIS) within 0.10-feet. The model will extend sufficiently upstream and downstream of the structure to assure limits of the water surface flood profiles tie into the NFIP BFE without significant discontinuities (+/- 0.25-feet). Typically, MassDOT requires the model extend a minimum of 500 feet upstream and downstream of the bridge. The proposed structure model will be created by duplicating the existing conditions model and modifying for the proposed information. The proposed conditions BFE and regulatory floodway elevation profiles must indicate a “no-rise” impact when compared to the existing conditions.

Scour Analysis:

Per the MassDOT LRFD Bridge Manual, a scour design and scour check analysis will need to be completed. Calculated scour depth will be used for abutment foundation design. Jacobs will

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obtain samples of the riverbed material to assist with the scour analysis. Additionally, bridge armament (riprap) size will be calculated, if necessary, to protect against scour at the structure.

SECTION 750 FINAL BRIDGE DESIGN

There is no work to be completed under this task.

SECTION 800 PS&E SUBMISSION

There is no work to be completed under this task.

SECTION 900 CONSTRUCTION ENGINEERING

There is no work to be completed under this task.

Jacobs Engineering Group

MassDOT - HIGHWAY DIVISION

SCOPING WORKBOOK Form 1.3 Work Hour Estimate

City/Town	Sudbury				Contract No.:						
Location:	Bruce Freeman Rail Trail				Assignment No.:						
					ProjInfo No.:	608164					
SECTION 150											
ENVIRONMENTAL											
				PIC	PM	SE	Eng	AE	ET	TOTAL	
151	Early Environmental Coordination Checklist										
152	Hist./Arch. Impacts (Section 106 and Chapter 254)										
153	Reserved										
154	Hazardous Materials Research/Review										
155	Project Development Meetings and Hearings										
156	NEPA/MEPA Determination										
157	NEPA - Categorical Exclusion (CE)										
158	NEPA - Environmental Assessment (EA)										
159	NEPA - Draft Environmental Impact Statement (EIS)										
160	NEPA - Final Environmental Impact Statement (EIS)										
161	NEPA - Supplemental Environmental Impact Statement (EIS)										
162	NEPA - Reevaluation										
163	MEPA - Environmental Notification Form (ENF)										
164	MEPA - Draft Environmental Impact Report (DEIR)										
165	MEPA - Final Environmental Impact Report (FEIR)										
166	MEPA - Notice of Project Change (NOPC)										
167	MEPA - Supplemental Environmental Impact Report (SEIR)										
168	Reserved										
169	Reserved										
170	USACE Section 404 General Permit (GP)										
171	USACE Individual Section 404 Permit										
172	U.S. Coast Guard Bridge Permit										
173	Programmatic Section 4(f) Evaluation										
174	Draft Individual Section 4(f) Evaluation										
175	Final Individual Section 4(f) Evaluation										
176	Wetland Resource Area Delineation										
177	Wetlands Protection Act (WPA) ANRAD					2	10	15	15		42
178	WPA - Request for Determination of Applicability										
179	WPA - Notice of Intent (NOI)					2	10	20	40		72
180	WPA - Variance										
181	Chapter 91 License/Permit Application										
182	Water Quality Certification (401)										
183	Coastal Zone Management Consistency Certificate										
184	Wildlife/Rare Species Assessment										
185	Essential Fish Habitat Assessment										
186	Reserved										
187	Impaired Waterbody Assessment and Water Quality Data Form										
	SUBTOTAL					4	20	35	55		114

Jacobs Engineering Group

MassDOT - HIGHWAY DIVISION

SCOPING WORKBOOK Form 1.3 Work Hour Estimate

City/Town	Sudbury					Contract No.:						
Location:	Bruce Freeman Rail Trail					Assignment No.:						
						ProjInfo No.:	608164					
SECTION 350												
DESIGN PUBLIC HEARING												
			PIC	PM	SE	Eng	AE	ET	TOTAL			
351	Hearing Preparation							4		8	12	
352	Design Public Hearing						4	4			8	
			SUBTOTAL				4	8		8	20	
SECTION 600												
GEOTECHNICAL REPORT												
			PIC	PM	SE	Eng	AE	ET	TOTAL			
601	Research Available Subsurface Data							2	2		4	
602	Field Reconnaissance							4		4	8	
603	Subsurface Investigation Plan							8	12		20	
604	Subsurface Investigation Inspection								20	60	80	
605	Office Studies, Analysis and Testing							10	30	54	94	
606	Geotechnical Reports (3 Separate Reports)							10	44	36	90	
607	Meetings, Reviews and Liaison					4	4	16			24	
608	Final Plans, Specifications and Estimate											
			SUBTOTAL			4	4	50	108	154	320	
SECTION 700												
PROJECT DEVELOPMENT - STRUCTURAL- BR. NO. S-31-XXX (XXX) BOARDWALK												
			PIC	PM	SE	Eng	AE	ET	TOTAL			
701	Field Investigation							4		4	8	
702	Determine Bridge Configuration							4		4	8	
703	Preliminary Structural Analysis							4	8	12	24	
704	Comparative Design and Cost Analyses							4	12	16	32	
705	Preliminary Structures Report Preparation											
706	Bridge Type Selection Worksheet Preparation						4	16	32	40	92	
707	Meetings and Liaison					4	4				8	
708	Hydraulics Study and Report (Bridges over Water)											
			SUBTOTAL			4	8	32	52	76	172	

Attachment11.b: Jacobs_BRFT_Structural_Technical_2018-06-07 (2843 : Jacobs contract)

Jacobs Engineering Group

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SCOPING WORKBOOK Form 1.3 Work Hour Estimate

City/Town	Sudbury	Contract No.:							
Location:	Bruce Freeman Rail Trail	Assignment No.:							
		ProjInfo No.:		608164					
SECTION 710									
SKETCH PLANS - BR. NO. S-31-XXX (XXX) BOARDWALK									
		PIC	PM	SE	Eng	AE	ET	TOTAL	
711	Establish Boring Locations				2			2	
712	Hydraulics Study and Report (Bridges over Water)								
713	Sketch Plan Development		2	8	32	8	48	98	
714	Meetings, Coordination and Liaison		4	4				8	
715	Constructability Review		4	4				8	
716	Submission Checklist	2		4				6	
SUBTOTAL		2	10	20	34	8	48	122	
SECTION 710									
SKETCH PLANS - BR. NO. S-31-007 (XXX) HOP BROOK									
		PIC	PM	SE	Eng	AE	ET	TOTAL	
711	Establish Boring Locations				2			2	
712	Hydraulics Study and Report (Bridges over Water)								
713	Sketch Plan Development		2	8	32	16	56	114	
714	Meetings, Coordination and Liaison		4	4				8	
715	Constructability Review		4	4				8	
716	Submission Checklist	2		4				6	
SUBTOTAL		2	10	20	34	16	56	138	
SECTION 710									
SKETCH PLANS - BR. NO. S-31-013 (XXX) PANTRY BROOK									
		PIC	PM	SE	Eng	AE	ET	TOTAL	
711	Establish Boring Locations				2			2	
712	Hydraulics Study and Report (Bridges over Water)		4	24	140			168	
713	Sketch Plan Development		2	8	32	16	48	106	
714	Meetings, Coordination and Liaison		4	4				8	
715	Constructability Review		4	4				8	
716	Submission Checklist	2		4				6	
SUBTOTAL		2	14	44	174	16	48	298	

Attachment11.b: Jacobs_BRFT_Structural_Technical_2018-06-07 (2843 : Jacobs contract)

Jacobs Engineering Group

MassDOT - HIGHWAY DIVISION

SCOPING WORKBOOK Form 1.4 Summary Table

City/Town	Sudbury							Contract No.:	0	
Location:	Bruce Freeman Rail Trail							Assignment No.:	0	
	0							ProjInfo No.:	608164	
HOURLY RATE SUMMARY										
			PIC	PM	SE	Eng	AE	ET		
DIRECT HOURLY RATE (\$) (Design)			\$80.00	\$56.00	\$56.00	\$42.00	\$35.00	\$20.00		
DIRECT HOURLY RATE (\$) (Construction)										
HOURLY RATE (\$) (Design)			\$189.73	\$132.81	\$132.81	\$99.61	\$83.01	\$47.43		
HOURLY RATE (\$) (Construction)			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
WORK HOUR AND FEE SUMMARY										
	TASK DESCRIPTION		PIC	PM	SE	Eng	AE	ET	Task Hour	Task Fee
150	ENVIRONMENTAL		0	4	20	35	55	0	114	\$ 11,239.14
350	DESIGN PUBLIC HEARING		0	4	8	0	8	0	20	\$ 2,257.79
600	GEO TECHNICAL REPORT		4	4	50	108	154	0	320	\$ 31,471.48
700	PROJ DEV - STRUCT - BR. NO. S-31-XXX (B'DWALK)		4	8	32	52	76	0	172	\$ 17,559.52
710	SKETCH PLANS - BR. NO. S-31-XXX (B'DWALK)		2	10	20	34	8	48	122	\$ 10,691.29
710	SKETCH PLANS - BR. NO. S-31-007		2	10	20	34	16	56	138	\$ 11,734.81
710	SKETCH PLANS - BR. NO. S-31-013		2	14	44	174	16	48	298	\$ 29,019.22
	TOTAL WORK-HOURS		14	54	194	437	333	152	1184	
									TOTAL FEE	\$ 113,973.23
	ACTUAL PERCENTAGES		1	5	16	37	28	13		
	(TYPICAL PERCENTAGES)		1-3%	10-15%	15-25%	25-35%	10-15%	10-15%		
TOTALS										
					DESIGN	CONSTRUCTION				
(a)	Salary Costs				\$ 48,057.00	\$ -				\$ 48,057.00
(b)	Indirect Costs (%)	113.66%			\$ 54,621.59	\$ -				\$ 54,621.59
(c)	Net Fee (%)	11.00%			\$ 11,294.64	\$ -				\$ 11,294.64
	TOTAL LIMITING FEE				\$ 113,973.23	\$ -				\$ 113,973.23
(d)	Direct Expenses									
	Subsurface Exploration (see Breakdown)				\$ 32,000.00					
	Mileage				\$ 500.00					
	Printing, Mailing				\$ 200.00					
					\$ 32,700.00	\$ -				\$ 32,700.00
	MAXIMUM PAYMENT AMOUNT				\$ 146,673.23	\$ -				\$ 146,673.23
	MAXIMUM OBLIGATION									\$ 146,700.00

Attachment11.b: Jacobs_BRFT_Structural_Technical_2018-06-07 (2843 : Jacobs contract)

Jacobs Engineering Group

Bruce Freeman Rail Trail - Summary of Subsurface Exploration

Item No.	Item Description	Estimated Quantities	Unit	Unit Price	Amount
1	Utility Clearance	3	EA	\$ 150.00	\$ 450.00
2	Mob/Demob. of Boring Equipment (ATV Rig)	1	LS	\$ 500.00	\$ 500.00
3	Mob/Demob. of Excavation Equipment	1	LS	\$ 375.00	\$ 375.00
4	Soil Boring (Cased-Rotary Wash)	280	LF	\$ 54.50	\$ 15,260.00
5	Additional Split Spoon Samples	20	EA	\$ 41.00	\$ 820.00
6	Sample Jar Cases	12	EA	\$ 13.20	\$ 158.40
7	Core Borings (NX)	30	LF	\$ 77.00	\$ 2,310.00
8	Drilling Through Obstructions	3	HR	\$ 350.00	\$ 1,050.00
9	Stand-by Time	4	HR	\$ 306.00	\$ 1,224.00
10	Test Pits	3	DAY	\$ 1,700.00	\$ 5,100.00
11	Misc Expendables	1	LS	\$ 500.00	\$ 500.00
TOTAL					\$ 27,747.40

Assumptions

- Prices based on unit bid prices received from New England Boring Contractor - 9/2017 assuming prevailing wage rates
- Total of 10 borings from 20 to 40 feet each
 - 4 bridge borings to bedrock, 2 with 10 ft core. 6 boardwalk borings, 1 with 10' core.
- Prevailing wage included in drilling footage rates and excavator day rates

Item	Description of Test	Quantity	Rate	Cost
1	Grain Size Analyses (Sieve only)	12	\$ 75.00	\$ 900.00
2	Atterberg Limits	10	\$ 80.00	\$ 800.00
3	Moisture Contents	20	\$ 10.00	\$ 200.00
4	Organic Content	5	\$ 45.00	\$ 225.00
5	Soil Corrosivity Tests (includes chloride, sulfate, electrical resistivity, and pH)	5		
5a	Chloride Content	5	\$ 95.00	\$ 475.00
5b	Sulfate Content	5	\$ 110.00	\$ 550.00
5c	Resistivity	5	\$ 110.00	\$ 550.00
5d	pH	5	\$ 30.00	\$ 150.00
6	Sample Pick-up	1	\$ 150.00	\$ 150.00
Total:				\$ 4,000.00

- Testing pricing based on Geotesting 2018 Price List

Grand Total: \$ 31,747.40

SAY \$ 32,000.00

Attachment11.b: Jacobs_BRFT_Structural_Technical_2018-06-07 (2843 : Jacobs contract)

Jacobs Engineering Group

MassDOT - HIGHWAY DIVISION

SCOPING WORKBOOK

Contract No #	EXHIBIT B		BUDGET -	
	COST PLUS			
0				
		PRELIMINARY ENGINEERING	CONSTRUCTION ENGINEERING	TOTALS
(a) Salary Costs		\$48,057.00	\$0.00	\$48,057.00
(b) Indirect Costs	113.66%	\$54,621.59	\$0.00	\$54,621.59
(c) Net Fee	11.00%	\$11,294.64	\$0.00	\$11,294.64
TOTAL LIMITING FEE		\$113,973.23	\$0.00	\$113,973.23
(d) Direct Costs		\$32,700.00	\$0.00	\$32,700.00
MAX PAYMENT AMOUNT		\$146,673.23	\$0.00	\$146,673.23
MAXIMUM OBLIGATION				\$146,700.00

Attachment11.b: Jacobs_BRFT_Structural_Technical_2018-06-07 (2843 : Jacobs contract)

D. Project Schedule

We have developed the following schedule based on the following assumptions:

- A notice-to-proceed will be issued on June 20, 2018
- Conservation Commission meetings are typically held every other Monday. The next commission meeting is scheduled for June 18th, therefore we expect that the scheduled meetings for July will be on the 2nd, 16th and 30th.
- MassDOT will review the draft boring program in 2 weeks
- MassDOT will review the Bridge Type Selection Worksheet for the Boardwalk in 3 weeks

We have shown a staggered completion of the three bridge sketch plans. The actual submissions to MassDOT need to include the completed geotechnical reports. We anticipate the submission for all three structures together would be done when the last set of plans is ready.

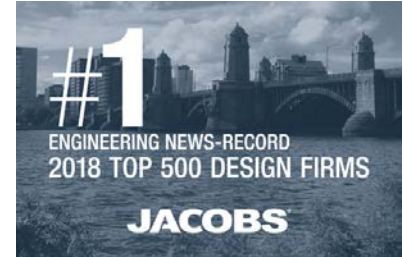
We understand that the scope of services includes preparation for, and attendance at, the Design Public Hearing. We have not shown a date for the hearing since that will be dependent of the review period for the Bridge Sketch Plans. Based on standard MassDOT policy, the anticipated review period could be up to 120 days based on the anticipated advertising date. We will be available to participate in the hearing when it is scheduled.

Task	2018														
	June		July					August				September			
	18	25	2	9	16	23	30	6	13	20	27	3	10	17	24
Notice To Proceed	*														
Environmental															
WPA ANRAD Amendment															
WPA Notice of Intent															
Conservation Commission Meetings					*		*								
Subsurface Exploration Program															
Prepare Draft Program															
Review by MassDOT															
Solicit Bids and Execute Contract															
Execute Subsurface Exploration Program															
Geotechnical Reports															
Hydraulic Study and Report (Br. No. S-31-013)															
Bridge Type Selection Worksheet - Boardwalk															
Prepare Report															
MassDOT Review and Approval															
Bridge Sketch Plans															
Prepare Plans for Boardwalk															
Prepare Plans for Br. No. S-31-013															
Prepare Plans for Br. No. S-31-007															

Attachment11.b: Jacobs_BRFT_Structural_Technical_2018-06-07 (2843 : Jacobs contract)

E. Project Team

Jacobs has been a leader in transportation planning and design for over 60 years and was named the *#1 engineering design firm by Engineering News Record (ENR) in 2018*. Our professionals are experienced in all aspects of transportation planning and design and our broad range of services is varied and comprehensive. Our projects run the spectrum from small studies to the construction of large, multi-modal transportation systems. Our record of guiding projects from conception through implementation is unparalleled in the consulting industry.



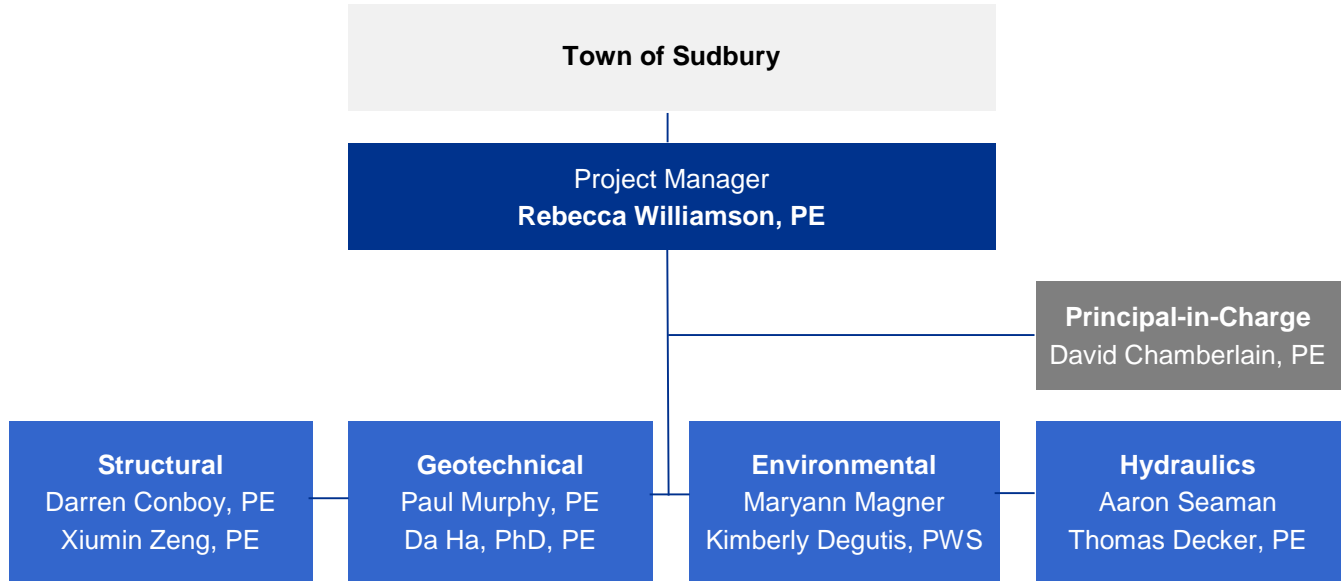
With projects ranging from the planning and integration of local and regional active transportation systems, to the development of rail-trails, to the design and analysis of pedestrian safety improvements like sidewalks, bridges and overpasses, Jacobs is in the forefront of bicycle and pedestrian infrastructure improvements. Jacobs understands that, like multi-purpose trails, there are many types of bicyclists and walkers, each with differing needs and skill levels. Jacobs also recognizes that each community has distinct requirements that apply to separated bicycle facilities, on-street lanes, and shared-use paths, and each community has specific resources to support its development.

Leveraging comprehensive capabilities and experience in the wide-ranging and interrelated fields of transportation and land use planning, Jacobs professionals bring both vision and practical solutions to bicycle and pedestrian projects. We work in partnership with local agencies, community leaders and the public, providing expert analysis of multiple options to address the needs of all stakeholders.

The Boston office of Jacobs has served regional transportation agencies, including MassDOT, MBTA and Massport, and municipalities throughout the Commonwealth for over 50 years. With over 300 professionals, we have the depth and breadth of resources to handle the most complex and time sensitive projects. The foundation of the success of our office is not only anchored to successfully completing “mega-projects”, but to being responsive to clients on all size projects. For example, our current bridge projects range for a small municipal bridge replacement project for the Town of Princeton to serving as the owner’s representative to MassDOT for the \$300 million Longfellow Bridge restoration. One of the real benefits of utilizing Jacobs for this fast-paced assignment, is that we have all of the disciplines needed to complete the work in our Boston office, greatly facilitating coordination. A second real benefit is our ability to utilize our national expertise and experience gained on similar projects throughout the country to ensure that the Town gets a high quality project that meets your expectations.

Team Organization

Our team will be led by Project Manager **Rebecca Williamson, PE**. Becky will be supported by Structural Lead **Darren Conboy, PE**, Geotechnical Lead **Paul Murphy, PE**, and additional discipline support personnel as indicated in the organizational chart below.



Resumes

Summary biographies of select key personnel are provided on the following page, and full resumes for all proposed staff are provided in an appendix.

Subconsultants

Jacobs does not foresee the need to utilize any subconsultants at this time, however we would contract with a boring firm to provide subsurface investigation services as a direct expense.

Attachment11.b: Jacobs_BRFT_Structural_Technical_2018-06-07 (2843 : Jacobs contract)

Rebecca Williamson, PE – Project Manager

Becky, New England Highway Bridge Market Sector lead, will serve as the Project Manager of the project and will be responsible for overall project administration, technical assistance and provide senior leadership as it pertains to the trail design. Becky is thoroughly familiar with all facets of rail trail design, subsurface investigation and environmental permitting. She will provide top level guidance and oversight of the Project Team's activities to see that the project's project, budget and quality objectives are met in a satisfactory manner. She will be responsible for the client coordination and management of the technical efforts for this project. She will serve as the primary liaison with the town and be available to meet with the town and make any necessary presentations as may be required during the project. Becky is a leading trail design expert in the industry and brings exceptional credentials to this project. She has an extensive and varied background as a designer and project manager on multi-disciplined projects including rural roadways, urban streets, highways, bike trails, bridges and site developments. She has substantial experience with complete street design, trail design, stormwater management, drainage system design, hydrology, hydraulics, erosion and sedimentation control and environmental permitting. She has directed and supervised all phases of design, including studies, design review, plan development, specifications and estimates. A specialist in project control and schedule and budget adherence, she also has extensive experience in public speaking and community participation, having moderated and presented at public hearings and community meetings. Becky has managed a number of other trail projects and lead the design efforts for the Bruce Freeman Rail Trail in Acton / Concord / Carlisle / Westford; the Assabet Rail Trail in Acton/Maynard; and the Mohawk Trail in Williamstown and North Adams.

Darren Conboy, PE – Structural Lead

Darren has 40 years of experience in large-scale infrastructure design and construction and has managed some of the Commonwealth's key projects during his career. Most recently, Darren has served as the Project Manager for the I-93/Route 110/Route 113 Interchange Improvements in Methuen, the I-95 Add-A-Lane Bridge V contract in Needham-Wellesley, and the Route 2 bridge replacement over I-95 in Lexington. Darren's structural engineering expertise ranges from the design of small stream crossings to major reconstruction/rehabilitation for bridge, transit and highway projects; bridge inspections and ratings; and design of bridges on new alignments. He brings extensive knowledge of the design and construction of simple and complex steel, cast-in-place concrete and precast concrete bridges over highways, pedestrians, and railroads. His ability to work with agency representatives, regulatory personnel, business leaders and residents demonstrates his listening and communication skills in addition to his technical expertise. Darren has authored numerous papers and presentations on a variety of bridge and other structural-related topics, and has extensive experience with AASHTO, AREMA, and other design codes.

Paul Murphy, PE – Geotechnical Lead

Paul is a senior geotechnical engineer with 28 years of experience on major bridge, transportation, infrastructure, and tunnel foundation engineering design and construction projects for public and private clients. He currently manages a staff of 10 engineers, geologists and technicians and is responsible for QA/QC and review of Geotechnical Reports and Designs, planning and executing subsurface exploration and laboratory testing programs, execution of projects, conducting meetings with clients, technical analyses and developing foundation recommendations, preparing proposals, reports, technical memoranda, and specifications; reviewing contractor's technical submittals and overseeing field activities. His areas of specialization include rock slope risk assessments, drilled shaft foundations and testing, CSL data interpretation, slurry wall techniques, deep foundation testing, geotechnical engineering, and instrumentation installation, monitoring and data interpretation.

F. Relevant Experience and Prior Performance

Our Project Manager, Rebecca Williamson, PE, has been working on and managing bike and recreational trail projects since moving to Massachusetts in 1997. In addition to design, she has been involved in numerous feasibility studies and alternatives analyses. She has worked on and managed all facets of design for over fifty miles of trails in Massachusetts, and has experience with numerous rail trail bridges and boardwalks. At her previous firm, Becky was involved in the following projects:

- Franklin County Bikeway – Greenfield, Montague, Deerfield and Northfield, MA*
- Southwick Rail Trail Phase II – Southwick, MA
- Bruce Freeman Rail Trail Phases 2A and 2C – Concord, Acton, Westford, Carlisle, MA
- Assabet River Rail Trail – Acton and Maynard, MA
- Milford Upper Charles Trail Phase 1 and 2 – Milford, MA
- Mohawk Bicycle / Pedestrian Trail – Williamstown and North Adams, MA
- Chicopee River Canal Path, Phase 1 – Chicopee, MA
- Cliff Road Bike Path – Nantucket, MA
- Methuen Riverwalk – Methuen, MA
- Emerald Necklace Bike Path – Boston and Brookline, MA
- Bruce Freeman Rail Trail/MBTA Commuter Rail Crossing Alternatives Analysis
- In Town Bike Path Study – Nantucket, MA
- Pre-Feasibility Study for Extension of Shared-Use Paths – Martha's Vineyard, MA

* *Rated as the Best Urban Bike Path in Yankee Magazine's listing of Massachusetts Best Attractions in 2010.*

Just prior to leaving her previous firm, Becky was instrumental in winning the Final Design for Phase 2B of the Bruce Freeman Rail Trail in Concord, Massachusetts. Becky understands the MassDOT requirements and processes for advancing a rail trail from conceptual design to construction successfully, on time and within budget. Although her previous experience was with another firm, her management style and ability to work with the assigned project engineers was critical in the project success and she has been instrumental in the construction of many trails in the state. Since joining Jacobs, because of her proven track record and successes in taking projects from conceptual design through construction, Becky has been asked by the MassDOT Project Management Section to design complete streets projects in Salisbury, Egremont and Wilbraham, an interchange project in Wrentham and a Traffic Safety/Planning Study in the Town of Colrain with her team of engineers at Jacobs. In addition, the MassDOT Highway Division Environmental Services Section has asked her to complete three separate assignments – resource area delineation, environmental permitting and culvert inspection and design of improvements. Two of her municipal clients from her previous firm have asked her to develop scopes and fees for the reconstruction of bridges in town since because of her history and successes on projects in their communities.

Jacobs Bridge and Transportation Structural Experience

For over 50 years, Jacobs has been providing comprehensive structural engineering services to state agencies and municipalities in Massachusetts and throughout New England for a wide variety of projects. Our structural staff, which is one of the largest in New England, consists of over 25 engineers and technicians including 18 registered Professional Engineers. This provides our clients with the experience, expertise and depth of resources to handle a project of any size and complexity. We have completed over 250 bridge projects ranging from single span stream crossings to multi-span viaducts for complex interstate interchanges and major river crossings. Projects have included timber, concrete and steel highway, pedestrian and rail bridges.

The scope of work has ranged from the design of new structures to emergency repairs on numerous highway and rail bridges and the rehabilitation of the iconic and historic Longfellow Bridge over the Charles River. We have extensive experience in the use of accelerated bridge construction techniques on projects where conditions dictated their use. We always strive to develop designs that minimize impacts to wetlands and other sensitive existing features.

In addition to our bridge experience, we have tremendous experience in the design of elements for other transportation-related facilities including retaining walls, piers, platforms and walkways for numerous commuter rail stations for the MBTA, and parking structures.

MassDOT Bridge Experience

Jacobs has been a trusted partner of the Massachusetts Department of Transportation (MassDOT) – Highway Division, and its predecessors, MDPW, MassHighway, and MHD, for decades. We have completed dozens of projects for them that followed their standard project development process including the typical 25%, 75%, and 100% submissions, as well as preparing hydraulic and geotechnical reports that conform to their standards. In addition to receiving contracts for specific design projects, we have received over 50 task order contracts from MassDOT to provide the complete range of engineering and environmental services. Examples of bridge related contracts include:

- **Statewide Engineering Design and Review** – 8 contracts
- **Bridge Management** – 8 contracts
- **Bridge Inspection/Rating** – 17 contracts
- **Footprint Bridge or Bridge R&R** – 5 contracts

Under our current Master Services Agreement alone, we have received 50 assignments for highway and bridge related work. As a result, our staff is thoroughly familiar with MassDOT standards, policies and procedures. As importantly, we have developed strong working relationships with the personnel in MassDOT's Boston office and District offices. We understand their needs and they trust our ability to deliver quality products that meet those needs.

Our municipal project experience includes several projects where we have served as the town or city's consultant for MassDOT improvements, such as:

- City of Quincy, Route 3/Burgin Parkway Interchange Improvements
- City of Quincy, Intersection Reconstruction at Quincy Avenue (Route 53) and Howard Street
- City of Waltham, Winter Street Bridge Replacement and I-95 Interchange Reconstruction
- City of Beverly, Rte 128/Brimbal Avenue Interchange Improvements
- Town of Plymouth, Obery Street Roadway Improvements
- Town of Freetown, Elm Street Bridge Reconstruction
- Town of Princeton, East Princeton Road over East Wachusett Brook

Examples of Relevant Experience for the BFRT Project

The three structures included in this section of the BFRT will all have different solutions. We have experience in the types of structures being proposed for each location. The following is a brief overview of that experience:

[Br. No. S-31-007 - BFRT over Hop Brook](#)

Our experience: We have completed the rehabilitation of numerous steel girder railroad bridges, many of which were supported on stone abutments or piers. Our recent experience includes:

- **Fitchburg Commuter Rail Line, MBTA:** Rehabilitation of 7 bridges
- **Fairmount Commuter Rail Line, MBTA:** Rehabilitation of 4 steel bridges and replacement of 6 other bridges
- **MassDOT Rail & Transit Division, Task Order Contract:** We currently are working on a task order contract to assist the Rail & Transit Division to manage all the state-owned freight lines in eastern

Massachusetts. As part of that effort we have inspected and rated approximately 60 bridges. Several of those have required both minor and major rehabilitation

- **Railroad Bridge Task Order Contracts, Vermont Agency of Transportation:** Since 2000, we have been assisting VTTrans in the inspection, rating and repair/replacement of bridges on state-owned rail lines throughout the state under 4 consecutive task order contracts. The work has included emergency repairs, minor and major rehabilitation of a variety of steel bridges, many with stone substructures.
- **Timber Pedestrian Bridges:** We have designed a number of pedestrian bridges with timber decks and railing systems including two in Salem, MA and one in Maynard, MA. In addition, we designed a timber pier and railing system for the Harborfront Walkway and Causeway Park in Beverley-Salem, MA.



[Br. No. S-31-013 – BFRT over Pantry Brook](#)

The proposed replacement for this location is a precast concrete arch structure.

Our Experience: We have extensive experience in the use of precast elements for bridge construction. A number of examples are included later in this section. Two examples of specifically using precast concrete arch sections are:

- **Replacement of Three Bridges, Town of Rowley, MA:** We designed three replacement structures to replace bridges destroyed in heavy spring flooding. We utilized both precast concrete arches and precast 3-sided culverts.



- **Ten Rod Road Bridge, Farmington, NH:** We also used precast concrete arches for this replacement structure.



Boardwalk

The new boardwalk is proposed to be 750 feet long. The structure type and span configuration has not been determined but is expected to consist of a series of short (8-10-ft.) long spans constructed of either timber or fiber reinforced polymer (FRP)

Our Experience: As mentioned for Br. No. S-31-007, we have design a number of pedestrian bridges that utilize timber construction. Another example of a bridge that required special construction techniques due to the environmental restrictions is the Access Road Bridge for the Middlesex School in Concord. We utilized timber framing supported in helical piles for this 12-span, 300-foot long bridge. The bridge provided primarily pedestrian access to athletic fields located on the campus but also needed to accommodate maintenance and emergency vehicles. We utilized the helical piles to take advantage of the small footprint required for the equipment needed to install the piles. Prior to leaving hr previous firm, our Project Manager Becky was managing the Assabet River Rail Trail project, which included a 600-foot boardwalk.



Relevant Project Experience

Jacobs has provided municipal clients and state agencies throughout the New England region with planning, engineering and design services on numerous transportation projects. We have a strong background and extensive experience in a wide range of bridge and roadway design projects, with demonstrated expertise in providing technical solutions associated with diverse and challenging engineering components.

As evidenced by the table below, Jacobs brings extensive experience providing services similar in nature to those that would be undertaken as part of this project. Detailed descriptions of each of these relevant projects are provided on the pages that follow.

PROJECT	RELEVANT FEATURES				
	Bridge / Structural	Geotechnical	Hydraulics	Traffic	Environmental
Harborfront Walkway and Causeway Park Beverly-Salem, MA	▪	▪			▪
Boardwalk Trail at Lady Bird Lake Austin, TX	▪		▪		▪
MassDOT Rail & Transit – Bridge Replacements Statewide, MA	▪			▪	▪
Middlesex School Access Road Bridge Concord, MA	▪				
Replacement of Three Bridges Rowley, MA	▪	▪	▪	▪	▪
Asbury Street Bridge over the Ipswich River Bridge Replacement Topsfield, MA	▪	▪	▪	▪	▪
Route 85 over the Assabet River Bridge Replacement Hudson, MA	▪	▪		▪	▪
Summer Street over Taunton River Bridge Replacement Bridgewater-Middleborough MA	▪	▪		▪	▪
Bay Road over Cocheco River Bridge Replacement Farmington, NH	▪	▪	▪	▪	▪
Ten Rod Road over Mad River Tributary Bridge Replacement Farmington, NH	▪	▪	▪	▪	▪
Wilder Street over Nubanusit Brook Bridge Replacement Peterborough, NH	▪	▪	▪	▪	▪
Old Greenfield Road over Bogle Brook Bridge Replacement Peterborough, NH	▪		▪	▪	▪
Monument Street over the Concord River Bridge Replacement Concord, MA	▪	▪	▪	▪	▪
VTrans Railroad Bridge Engineering Services Multiple Locations, VT	▪	▪	▪	▪	▪



Services Provided:

- ✓ Structural Design
- ✓ Roadway
- ✓ Lighting
- ✓ Geotechnical
- ✓ Environmental
- ✓ Agency Coordination
- ✓ Construction Contracts Assistance

**Harborfront Walkway and Causeway Park
Beverly-Salem, MA**

Completed in 2016, this \$1.8 million project constructed a Harborwalk along the Beverly Harborfront under a section of the Veterans Memorial Bridge (Route 1A) in the City of Beverly and a Causeway Park along an abandoned section of the former Route 1A between Bridge Street and the Danvers River in the City of Salem.

The Harborwalk portion of the project included development of a walkway integral with an existing granite seawall structure and a steel cofferdam protecting one of the piers of the Veterans Memorial Bridge. The work included, removal of existing pavements, concrete and portions of the existing granite sea wall, construction of new reinforced cement concrete sidewalks, timber railings, landscaping, and benches.

The Causeway Park portion of the project included development of a landscaped park with a new timber deck at harbor's edge. The work included, removal of existing pavements, concrete, metal railings and portions of an existing timber pier, construction of new driveways, parking lots and sidewalks, construction of a landscaped park with brick and concrete walkway surfaces, benches, bollards, railings, post water hydrant, flagpole, landscaping and other amenities and drainage improvements. The new timber pier was constructed utilizing existing timber piles from a prior abandoned bridge structure. Repairs and rehabilitation measures to the existing timber pile structure were developed based on inspection by Jacobs structural engineers, and a new timber deck with perimeter timber railing system was designed based on State Building Code requirements.






Services Provided:

- ✓ Structural Design
- ✓ Environmental Coordination
- ✓ Agency Coordination
- ✓ Hydrology
- ✓ Sustainability

Award Winner: 2015 Urban Land Institute (ULI) Public Places Award for enhancing space for community use

**Boardwalk Trail at Lady Bird Lake
Austin, TX**

Jacobs managed both the preliminary design phase and the conceptual design 60% plan set phase for this new trail. We developed a constraints map along the anticipated project route, including utility locations, Critical Environmental Features (CEF), the Ordinary High Water Line (for the Corps permit), private and public ownership maps, the location of historic buildings, floodplain boundaries, and other items. Other non-physical constraints that were considered included constructability and access issues, initial cost, long term operation and maintenance cost, sustainable site (green) design, use of LED lighting, and structural stability. In collaboration with key City of Austin staff members, we proposed a preliminary route for the boardwalk. In addition to bridging the 1.2-mile gap, the proposed boardwalk provides a safe, accessible route that emphasizes the natural settings and existing properties while highlighting scenic views. To minimize effects of construction-related activities, the boardwalk deck was assembled off-site, limiting the amount of construction over the lake.

 <p><u>Services Provided:</u></p> <ul style="list-style-type: none"> ✓ Structural Design ✓ Roadway Design ✓ Traffic Control ✓ Utility Design & Coordination ✓ Environmental Coordination ✓ Agency Coordination ✓ Construction Contracts Assistance 	<p>MassDOT Rail & Transit Bridge Replacements Statewide, MA</p> <p>Jacobs is providing a wide a wide range of services to MassDOT’s Rail & Transit Division, including inspection, rating, repair and replacement of several bridges. An example project assignment completed as a task under this contract was the Bridge 15.95 Replacement on the Middleboro Subdivision of the Mass Coastal Railroad. The work involved consisted of removal and disposal of the existing timber trestle bridge and the design, fabrication, and installation of a precast concrete box culvert, wingwalls, and appurtenances, and geoweb approach slabs.</p> <p>In addition, we have prepared plans for a number of steel bridge repair projects.</p>
 <p><u>Services Provided:</u></p> <ul style="list-style-type: none"> ✓ Structural Design ✓ Timber framing and railing 	<p>Middlesex School Access Road Bridge Concord, MA</p> <p>Jacobs served as Designer for a 300-foot long bridge over an environmentally sensitive area of the Middlesex School campus. The bridge superstructure consisted of an open-grid steel deck, timber sidewalk planks, and timber bridge railings supported by timber stringers. The substructure consisted of timber pier caps on helical piles. The use of helical piles greatly reduced the temporary impacts to the wetlands during construction due to the small size of the equipment needed to install the piles.</p> <p>The open decking was required to allow “leaf litter” to pass through the deck to enhance salamander habitat below the bridge.</p>
 <p><u>Services Provided:</u></p> <ul style="list-style-type: none"> ✓ Structural Design ✓ Geotechnical ✓ Roadway ✓ Agency Coordination ✓ Construction Contracts Assistance 	<p>Replacement of Three Bridges Rowley, MA</p> <p>The project included replacement bridge design at three sites using pre-fabricated concrete structures. The existing bridges were severely damaged or washed out during extreme spring flooding events. The project was funded by FEMA, state and local funds. The work included preparation of an Engineering Design Report, preliminary and final design, coordination with local, state and federal reviewing agencies, construction phase services and bid services, including resident engineering and construction inspection.</p>

Attachment11.b: Jacobs_BRFT_Structural_Technical_2018-06-07 (2843 : Jacobs contract)



Services Provided:

- ✓ Structural Design
- ✓ Geotechnical
- ✓ Roadway Design
- ✓ Traffic Control
- ✓ Environmental Coordination
- ✓ Bid Phase
- ✓ Construction Contracts Assistance

**Asbury Street over Ipswich River Bridge Replacement
Topsfield, MA**

Jacobs was retained by the Town of Topsfield for engineering services including bridge design, roadway design, water main replacement, permitting, preparation of contract bid documents, bid phase services, and construction inspection associated with the replacement of the deteriorated existing 51-foot steel through girder span of the Asbury Street Bridge over the Ipswich River.

The bridge replacement included a new 68-foot prestressed concrete butted box beam superstructure supported on new concrete abutments placed behind the existing abutments which remained, to mitigate surrounding wetlands impacts and to protect the public water supply in close proximity to the bridge.



Services Provided:

- ✓ Structural Design
- ✓ Geotechnical
- ✓ Bridge Rating
- ✓ Roadway Design
- ✓ Traffic Control
- ✓ Utility Design & Coordination
- ✓ Environmental Compliance

**Route 85 over Assabet River Bridge Replacement
Hudson, MA**

Jacobs completed contract documents for the replacement of an existing 3-span stone masonry bridge with a single span structure using precast concrete NEXT-D beams with Ultra High Performance Concrete (UHPC) for joints between the beams. New precast concrete abutments supported on drilled micropiles will be constructed behind the canal walls. This project was advertised under MassDOT's Accelerated Bridge Program, and construction is on-going.

The bridge is located on Route 85 (Washington Street), which is an Urban Minor Arterial, leading into downtown Hudson. Impacts to traffic and pedestrians are critical issues on the project. In addition, there are numerous utilities that are currently carried by the bridge. Located just downstream of the Washington Street Dam, concrete and stone masonry canal walls channel the water from the spillway through the arch openings.

Working closely with MassDOT and the Town of Hudson, Jacobs developed a four stage construction sequence that requires closing the bridge for only 3 ½ months.



Services Provided:

- ✓ Structural Design
- ✓ Geotechnical
- ✓ Bridge Rating
- ✓ Roadway Design
- ✓ Traffic Control
- ✓ Environmental Compliance
- ✓ Construction Contracts Assistance

**Summer Street over Taunton River Bridge Replacement
Bridgewater-Middleborough, MA**

Jacobs completed design and construction phase services for this \$2 million bridge replacement project as an assignment on one of our MassDOT task order contracts. The new 114-ft, single-span bridge replaced an existing two-span structure. The roadway profile was raised to accommodate the increased structure depth and to provide a larger hydraulic opening under the structure. The new bridge, designed in accordance with AASHTO LRFD Bridge Design Specifications, consists of a reinforced concrete deck supported by precast concrete New England bulb tee girders. Pile supported integral abutments were installed behind the existing abutments. Jacobs utilized accelerated bridge construction techniques including precast concrete girders, abutments, and wingwalls.

Jacobs performed extensive environmental coordination for the project. The Taunton River is designated a Federal wild and scenic river, which required coordination with the National Park Service (NPS). Despite significant wetlands within the project area, we avoided any impacts to the wetlands by using rock fill slopes.



Services Provided:

- ✓ Bridge Design
- ✓ Geotechnical
- ✓ Hydrology and Hydraulics
- ✓ Roadway Design
- ✓ Traffic Control
- ✓ Permitting
- ✓ Bid Phase Services
- ✓ Construction Administration & Inspection
- ✓ Environmental Compliance

**Bay Road over Cocheco River Bridge Replacement
Farmington, NH**

Jacobs was selected by the Town of Farmington to provide engineering services associated with the replacement of Bay Road Bridge over Cocheco River. The existing 12-foot bridge span consisting of a jack arch superstructure supported by concrete faced stone abutments. As part of the preliminary engineering study, alternative bridge types and roadway alignments were developed and assessed for the site. The structure selected was a 20-foot precast concrete rigid frame structure with precast concrete headwalls and splayed wingwalls. The existing concrete spillway was replaced with a natural stream bottom.

A complete hydrologic and hydraulic analysis was completed. The watershed analyzed for this project constitutes the beginning of the Cocheco River. The new structure passes the 50-year storm event with 1-foot of freeboard, while minimizing impacts to roadway profile and roadside wetlands during the 100-year storm.

Due to the historic significance of the jack arch superstructure, historic research and documentation was completed as part of the cultural resources process.



Ten Rod Road over Mad River Tributary Bridge Replacement Farmington, NH

Jacobs was selected by the Town of Farmington for engineering services associated with the replacement of Ten Rod Road Bridge over Mad River tributary as part of the municipally managed Bridge Aid Program. The project replaced an existing 16-foot bridge span consisting of precast concrete deck panels supported by dry-laid stone abutments. As part of the preliminary engineering study, several alternative bridge types were developed and assessed for the site. The structure selected was a precast concrete arched structure spanning 16-feet. Precast headwalls and wingwalls were implemented into the structure.

The project schedule allowed for an 18-month design and construction period. However, extensive damage due to the extreme spring-time flooding closed the bridge. Design, permitting, and construction were then accelerated to a six-month schedule.

Services Provided:

- ✓ Bridge Design
- ✓ Geotechnical
- ✓ Hydrology and Hydraulics
- ✓ Roadway Design
- ✓ Traffic Control
- ✓ Permitting
- ✓ Bid Phase Services
- ✓ Construction Administration & Inspection



Wilder Street over Nubanusit Brook Bridge Replacement Peterborough, NH

Jacobs was retained by the Town of Peterborough for engineering services associated with the replacement of the Wilder Street Bridge over Nubanusit Brook. The project was advanced under the NHDOT State Bridge Aid program through the Municipal Managed Process and required heavy public outreach participation.

The project replaced a narrow, structurally deficient 3-span concrete jack arch bridge with a shorter and wider structure. As part of the preliminary Engineering Study, alternative bridge types were developed and evaluated for the site. A reduction in the hydraulic opening of the replacement bridge was feasible due to reduced streamflow resulting from construction of the MacDowell Lake flood control dam upstream, ten years after original bridge construction.

By replacing a four-span bridge structure with a one-span structure, Jacobs helped save the town 20% in construction costs. Further cost savings were realized by using a temporary bridge for traffic in lieu of staged construction.

Services Provided:

- ✓ Bridge Design
- ✓ Geotechnical
- ✓ Hydrology and Hydraulics
- ✓ Roadway Design
- ✓ Traffic Control
- ✓ Permitting
- ✓ Utility & Agency Coordination
- ✓ Bid Phase Services
- ✓ Construction Administration & Inspection



Old Greenfield Road over Bogle Brook Bridge Replacement Peterborough, NH

Jacobs was selected by the Town of Peterborough for the engineering services associated with the replacement of Old Greenfield Road Bridge over Bogle Brook. This project involved the replacement of an existing aluminum plate arch culvert that sustained major damage during the recent flood events and subsequently failed.

Alternative bridge types were developed and evaluated for this site as part of the preliminary engineering study. The proposed structure consisted of a precast concrete rigid frame with a clear span of 20 feet. Roadway improvements include restoration to the damaged roadway, installation of guardrail, and rip rapping embankments adjacent to the bridge retaining walls.

The skew of the bridge reestablishes the original stream alignment and creates a natural stream bottom through the structure. This geometric change will extend the longevity of the structure while providing an enhanced passageway for aquatic life.

Services Provided:

- ✓ Bridge Design
- ✓ Geotechnical
- ✓ Hydrology and Hydraulics
- ✓ Roadway Design
- ✓ Traffic Control
- ✓ Permitting
- ✓ Utility & Agency Coordination
- ✓ Contract Documents
- ✓ Bid Phase Services
- ✓ Construction Administration & Inspection



Monument Street over Concord River Bridge Rehabilitation Concord, MA

MassDOT retained Jacobs for maintenance preservation/rehabilitation/replacement tasks of "footprint" bridges statewide.

One of the first assignments was the rehabilitation and maintenance recommendations of a 4-span, historic stone arch bridge carrying Monument Street over the Concord River. The purpose of this contract was to stabilize and strengthen the arches, bringing them into compliance with current AASHTO and MassDOT criteria. Built in 1877, the bridge is eligible for historic designation and is located adjacent to the Minute Man National Historical Park. The bridge is 130 feet in length and had a 6-ton weight limit at the time of construction.

Through the use of ARCHTEC technology (a proprietary masonry strengthening system by Cintec America Inc.), Jacobs rehabilitated and improved the capacity and service life of the arches by installing grouted, stainless steel anchors longitudinally through individual stones in the arch barrel without extensive demolition. This helped the bridge reopen to traffic three months ahead of schedule.

Services Provided:

- ✓ Structural Design
- ✓ Geotechnical
- ✓ Civil Design
- ✓ Environmental Permitting
- ✓ Contract Documents
- ✓ Construction Services



Services Provided:

- ✓ Bridge Inspection & Rating
- ✓ Structural Design
- ✓ Repair Recommendations
- ✓ Geotechnical Analyses
- ✓ Construction Services

**VTrans Railroad Design Engineering Services
Multiple Locations, VT**

For nearly 15 years as an on-call consultant to VTrans, Jacobs has performed a variety of annual bridge inspections, in-depth bridge inspection, load rating analysis, repair recommendations, corridor repair priority studies, bridge rehabilitation and bridge replacement designs, including in-house support for hydraulics analysis, scour analysis, and geotechnical engineering.

Below is a summary of rehabilitation and replacement projects completed during our current contract:

VTrans Bridge Replacement Projects:

- VT Route 67 Bridge 1 in Shaftsbury
- VTR Bridge 57.5 in Shaftsbury
- VTR Bridge 63 in Sunderland
- VTR Bridge 64 in Sunderland

VTrans Bridge Rehabilitation Projects:

- VTR Bridge 72 in Manchester
- VTR Bridge 219 in Pittsford
- GMRC Bridge 107 in Rockingham

G. References

Rebecca Williamson – Project Manager References

Contact	Project
<p>David Shedd Project Manager MassDOT - Highway Division 10 Park Plaza, Room 6340 Boston, MA 02116 857-368-9329 david.shedd@state.ma.us</p>	<ul style="list-style-type: none"> • Bruce Freeman Rail Trail Phase 2A • Bruce Freeman Rail Trail Phase 2C • Mohawk Trail – Williamstown and North Adams
<p>Arthur Frost Project Development Engineer MassDOT - District 3 403 Belmont Street Worcester, MA 01604 508-939-3837 arthur.frost@state.ma.us</p>	<ul style="list-style-type: none"> • Bruce Freeman Rail Trail Phase 2A • Bruce Freeman Rail Trail Phase 2C • Milford Upper Charles Trail, Phases 1 and 2 • Route 146 Hurley Square Reconstruction Project • State Route 140 (Redemption Rock Trail) Reconstruction
<p>Susan McArthur Wetlands Permitting Supervisor MassDOT - Highway Division 10 Park Plaza, Room 4260 Boston, MA 02116 857-368-8807 susan.mcarthur@state.ma.us</p>	<ul style="list-style-type: none"> • Bruce Freeman Rail Trail Phases 2A and 2C • Assabet River Rail Trail
<p>Roland Bartl Planning Director Town of Acton 472 Main Street Acton, MA 01720 978-264-9636 rbartl@acton-ma.gov</p>	<ul style="list-style-type: none"> • Bruce Freeman Rail Trail Phases 2A • Assabet River Rail Trail • Kelley's Corner Improvement Project
<p>Marcia Rasmussen Director of Planning & Land Management Town of Concord 141 Keyes Road Concord, MA 01742 978-318-3289 mrasmussen@concordma.gov</p>	<ul style="list-style-type: none"> • Bruce Freeman Rail Trail Phase 2C • BFRT/MBTA Commuter Rail Crossing Alternatives Analysis
<p>Nina Nazarian Town Administrator Town of Princeton 6 Town Hall Drive Princeton, MA 01541 978-464-2102 townadministrator@town.princeton.ma.us</p>	<ul style="list-style-type: none"> • State Route 140 (Redemption Rock Trail) Reconstruction • East Princeton Road Bridge (Route 31) over East Wachusett Brook

Jacobs References

Jacobs has a long history of successfully serving MassDOT on a wide variety of bridge projects. The following select client references are familiar with our lead structural engineer, Darren Conboy, as well as the many projects we have performed for them.

Contact

Alexander K. Bardow, PE
State Bridge Engineer
MassDOT – Highway Division
10 Park Plaza
Boston, MA
857-368-9430
Alexander.Bardow@state.ma.us

Thomas P. Donald, PE
Director of Bridge Project Development
MassDOT – Highway Division
10 Park Plaza
Boston, MA
857-368-9311
Thomas.Donald@state.ma.us

Mohammed Nabulsi
District 3 Bridge Engineer
MassDOT – Highway Division
403 Belmont St,
Worcester, MA
508-929-3800
mohammed.nabulsi@state.ma.us

Peter J. Connors, PE
Geotechnical Engineer
MassDOT – Highway Division
10 Park Plaza
Boston, MA
857-368-9191
Peter.Connors@state.ma.us

H. Competing Commitments

Information is provided below regarding present and future commitments for highway and bridge projects on which our New England staff is currently committed. All members of the project team are committed to providing the necessary resources to meet the requirements for this project, and current committed backlogs by all Team members indicate that adequate staff will be available upon receipt of Notice-to-Proceed.

Project	Jacobs Contracted Amount	Role	Current Phase	NTP	Est. Completion Date
Methuen Rotary- I-93/Route 110/Route 113 Interchange Improvement Project	\$5,900,000	Prime	Construction	2009	06-2018
Maine Turnpike Southern Toll Plaza Replacement	\$12,500,000	Prime	Design	2014	06-2019
Route 2 over I-95 Bridge Replacement	\$1800,000	Prime	Design	2010	12-2018
Fall River Route 79/I-195 Interchange Reconstruction	\$7,500,000	Prime	Construction	2009	12-2018
Route 128 Exit 19/Brimbal Avenue Exchange	\$900,000	Prime	Design	2006	06-2018
Rehabilitation and Restoration of the Longfellow Bridge	\$16,390,000	Prime	Design	2005	12-2020
Route 2 over I-95 Bridge Replacement	\$1,800,000	Prime	Construction	2010	12-2018
Rehabilitation and Restoration of the Longfellow Bridge	\$8,727,403	Prime	Design	2005	06-2018
Fairmount Corridor Improvements Project	\$11,820,000	Prime	Construction	2003	06-2019
Route 85 Bridge over the Assabet River	\$482,562	Prime	Design	2014	12-2018
MassDOT Dalton Street Bridge Replacement Project	\$900,000	Prime	Design	2011	12-2018
I95/I-93 (Route 128) Transportation Improvements (Bridge V) – Construction Phase Services	\$16,100,000	Prime	Construction	2014	06-2018
North End Boulevard and Beach Road Reconstruction Preliminary Design, Salisbury, MA	\$770,000	Prime	Design	2018	2020
Routes 23/41 Reconstruction, Egremont, MA	\$689,000	Prime	Design	2018	2021
Route 20 Reconstruction, Wilbraham, MA	\$1,839,000	Prime	Design	2018	2022
Route 1A/495 Interchange Reconstruction, Wrentham, MA	\$1,300,000	Prime	Design	2018	2023
MassDOT Statewide Culvert Inspection	\$38,000	Prime	Design	2018	2018
Charlemont Resource Area Delineation and Permitting	\$125,000	Prime	Design	2018	2019
District 1 Culvert Inspection, Mass Turnpike	\$345,000	Prime	Design 2018	2019	2021
Rutherford Avenue Improvement Project	\$600,000	Subconsultant	Design	2014	2020
Logan International Airport Terminal C Roadway Improvements	\$3,000,000	Subconsultant	Design	2017	2020
Logan International Airport Terminal C Canopy and Roadway Deck	\$750,000	Subconsultant	Design	2017	2020

I. Certificates

Signed certificates of non-collusion and tax compliance in the form attached as well as certification of insurance coverage.

Signed certificates of non-collusion and tax compliance (RFP Attachment C) are attached on the following pages.

With regards to insurance, Jacobs has the ability to carry the requisite coverage for this contract. As evidence, we have provided sample insurance certificate following our signed Attachment C.

Jacobs reserves the right to negotiate certain terms and conditions upon contract award.

ATTACHMENT C: Certificate of Tax Compliance and Non-Collusion

CERTIFICATE OF TAX COMPLIANCE

(Pursuant to G.L. c. 62C, §49A(b))

Pursuant to Chapter 62C of the Massachusetts General Laws, Section 49A(b), I,

David M. Chamberlain, authorized signatory for

Jacobs Engineering Group Inc., do hereby certify under the pains and
(Name of Contractor)

penalties of perjury that said Contractor has complied with all laws of the Commonwealth of
Massachusetts relating to taxes, reporting of employees and contractors, and withholding and
remitting child support.

Authorized Signature

David M. Chamberlain

Name

June 7, 2018
Date

Division Vice President
Title

CERTIFICATE OF NON-COLLUSION

The undersigned certifies under penalties of perjury that this bid, or proposal, has
been made and submitted in good faith and without collusion or fraud with any other
person. As used in this certification, the word "person" shall mean any natural person,
business, partnership, corporation, union, committee, club, or other organization, entity,
or group of individuals.

Signature of **Individual**, or
Corporation Name **Jacobs Engineering Group Inc.**

By: David M. Chamberlain
~~Corporate Officer~~ & Title (if applicable)
Division Vice President

ACORD		CERTIFICATE OF LIABILITY INSURANCE				DATE (MM/DD/YYYY) 06/04/2018			
<p>THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.</p> <p>IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).</p>									
PRODUCER LIC #0437153 Marsh Risk & Insurance Services CIRT_Support@jacobs.com 777 S. Figueroa Street Los Angeles, CA 90017-5822			1-212-948-1306		CONTACT NAME: PHONE (A/C No. Ext): E-MAIL: ADDRESS:				
INSURED Jacobs Engineering Group Inc. C/O Global Risk Management 600 Wilshire Blvd., Suite 1000 Los Angeles, CA 90017			INSURER(S) AFFORDING COVERAGE INSURER A: ACE AMER INS CO INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:		NAIC # 22667				
COVERAGES			CERTIFICATE NUMBER: 52989715		REVISION NUMBER:				
THIS IS TO NOTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.									
INSR LTR	TYPE OF INSURANCE		ADDITIONAL INSURED	SUBROGATION	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> X	COMMERCIAL GENERAL LIABILITY			HDO G27865069	07/01/17	07/01/18	EACH OCCURRENCE	\$ 1,000,000
		CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 250,000
	<input checked="" type="checkbox"/> X	CONTRACTUAL LIABILITY						MED EXP (Any one person)	\$ 5,000
		GEN'L AGGREGATE LIMIT APPLIES PER:						PERSONAL & ADV INJURY	\$ 1,000,000
		<input type="checkbox"/> POLICY	<input type="checkbox"/> PRO-JECT	<input type="checkbox"/> LOC.				GENERAL AGGREGATE	\$ 1,000,000
		OTHER:						PRODUCTS - COMP/OP AGG	\$ 1,000,000
									\$
A	<input checked="" type="checkbox"/> X	AUTOMOBILE LIABILITY			ISA H09055964	07/01/17	07/01/18	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
		ANY AUTO						BODILY INJURY (Per person)	\$
		OWNED AUTOS ONLY	<input type="checkbox"/>	SCHEDULED AUTOS				BODILY INJURY (Per accident)	\$
		H-RENTED AUTOS ONLY	<input type="checkbox"/>	NON-OWNED AUTOS ONLY				PROPERTY DAMAGE (Per accident)	\$
		UMBRELLA LIAB	<input type="checkbox"/>	OCCUR				EACH OCCURRENCE	\$
		EXCESS LIAB	<input type="checkbox"/>	CLAIMS-MADE				AGGREGATE	\$
		DED	<input type="checkbox"/>	RETENTION \$					\$
A		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			WLR C49115581 (AOS)	07/01/17	07/01/18	<input checked="" type="checkbox"/> PER STATUTE	
A		ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)		<input checked="" type="checkbox"/> Y/N	SCF C49115623 (WI)	07/01/17	07/01/18	E.L. EACH ACCIDENT	\$ 1,000,000
A		If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	WCU C49115611 (LA, OH, TX)	07/01/17	07/01/18	E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
A		PROFESSIONAL LIABILITY			BON G21655065 008	07/01/17	07/01/18	E.L. DISEASE - POLICY LIMIT	\$ 1,000,000
		"CLAIMS MADE"						PER CLAIM/PER AGG	1,000,000
								AGGREGATE	
								DEFENSE INCLUDED	
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) CONTRACT MGR: Beth Tomkiewicz. RE: Town of Sudbury 25% Structural Engineering/Design Services Bruce Freeman Rail Train. CONTRACT END DATE: 6/4/2019. SECTOR: Public. *\$2,250,000 SIR FOR STATES OF: LA, OH, TX. Coverage is primary and certificate holder's insurance is excess and non-contributory. *THIS IS A SAMPLE CERTIFICATE ONLY*. THE ACTUAL CERTIFICATE FOR THE PROPOSED PROJECT WILL COMPLY WITH THE TERMS AND CONDITIONS NEGOTIATED IN THE FINAL CONTRACT, CONSISTENT WITH POLICY TERMS AND CONDITIONS.									
CERTIFICATE HOLDER Sudbury 278 Old Sudbury Road Sudbury, MA 01776 USA					CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 				
© 1988-2015 ACORD CORPORATION. All rights reserved.									
ACORD 25 (2016/03) nyumdo_newgalexey 52989715			The ACORD name and logo are registered marks of ACORD						

Attachment11.b: Jacobs_BRFT_Structural_Technical_2018-06-07 (2843 : Jacobs contract)



Appendix - Resumes



Rebecca S. Williamson, PE

PROJECT MANAGER

Rebecca is the Highway Bridge Market Sector Lead for New England. She brings an extensive and varied background as a designer and project manager on multi-disciplined projects including urban streets, highways, bridges, bike trails and site developments. She is experienced in rail trail, rail trail bridge and boardwalk design and environmental permitting. She has directed and supervised all phases of design for rail trails including studies and is thoroughly familiar with the MassDOT design process and requirements. A specialist in project control and schedule and budget adherence, she also has extensive experience in public speaking and community participation having moderated and presented at public hearings, community meetings and workshops.

Select Project Experience with Other Firms

EDUCATION/QUALIFICATIONS

B.S., Civil & Environmental Engineering, Clarkson University, 1990

REGISTRATIONS/ CERTIFICATIONS

Professional Engineer, Civil, NY (#072734), 1995

Professional Engineer, Civil, Maine (#15220), 2017

Professional Engineer, Civil, Rhode Island (#12270), 2017

Professional Engineer, Civil, Massachusetts (#53390), 2017

Professional Engineer, CT (#33071), 2018

Professional Engineer, Civil, VT (018.0134194), 2018

MEMBERSHIPS AND AFFILIATIONS

Chi Epsilon National Honor Society for CE

Women's Transportation Seminar

LENGTH OF SERVICE

Jacobs: 2017-Present

Industry: 1990-Present

Towns of Acton, Carlisle, Westford, Concord, Bruce Freeman Rail Trail Phases 2A and 2C, MA

Project Manager. The project involved design and engineering services for the Bruce Freeman Rail Trail Phases 2A and 2C from Route 225 in Westford, south through Carlisle, Acton and Concord terminating at the Sudbury town line, for a total of approximately 8 miles. The project included design of a new variable width paved asphalt multi-use rail trail, an adjacent stone dust trail, trail pavement markings and signing, passively actuated flashing beacons at trail/roadway crossing, construction of pre-fabricated pedestrian bridge structures over Route 2A/119 and the Assabet River, a tunnel under Powder Mill Road, rehabilitation of seven existing railroad bridges along the trail, drainage improvements, earthwork, landscaping and environmental permitting. Also completed an extensive alternatives analysis to evaluate crossing options for Phase 2C of the BFRT to cross the active MBTA Commuter Rail line in West Concord. Responsibilities included project oversight for the preparation of bid documents for submission to the Massachusetts Department of Transportation for construction, preparation for and attendance at public meetings and coordination with the Towns of Acton and Maynard, subconsultants and MassDOT.

Towns of Acton and Maynard, Assabet River Rail Trail, Acton/Maynard, MA

Project Manager/Lead Engineer overseeing the design services for the Assabet River Rail Trail within the towns of Acton and Maynard. The trail runs from South Acton to White Pond Road at the town line of Maynard and Stow for a total of approximately 3.4 miles. The proposed cross section includes a new variable width paved asphalt multi-use rail trail with 2-foot stabilized shoulders, trail pavement markings and signing, a passively actuated flashing beacon at the trail/Route 117 crossing, new roadway pavement markings and signing at trail crossings, construction of pre-fabricated pedestrian bridge structures over Mill Pond, a boardwalk, constructing culverts, earthwork, landscaping, screening, retaining walls and other items incidental to the construction of the rail trail. Responsibilities included project oversight for the preparation of bid documents for submission to the Massachusetts Department of Transportation for construction, preparation for and attendance at public meetings and coordination

Resume

Rebecca S. Williamson, PE
PROJECT MANAGER

with the Towns of Acton and Maynard, subconsultants and MassDOT and construction phase services.

Town of Williamson and City of North Adams, Mohawk Bicycle/Pedestrian Trail, Williamson, MA

Project Manager overseeing the preliminary and final design services for the Mohawk Bicycle/Pedestrian Trail through Williamstown, MA and preliminary design services for the Mohawk Bicycle/ Pedestrian Trail through North Adams, MA. The Mohawk Bicycle/Pedestrian Trail from Williamstown to North Adams covers a distance of approximately 6.5 miles. Work includes a new paved asphalt multi-use trail with 2-foot stabilized shoulders, trail pavement markings and signing, actuated flashing beacon at crossing, new roadway pavement markings and signings at the crossings, construction of a pre-fabricated pedestrian bridge and four sided box culvert, capping of landfills, parking areas, earthwork, landscaping, screening, retaining walls and other items incidental to the construction of the rail trail. Responsibilities include project oversight for the preparation of bid documents for submission to the Massachusetts Department of Transportation for construction, preparation for and attendance at public meetings and coordination with the Town of Williamstown and City of North Adams, subconsultants and MassDOT.

Pioneer Valley Planning Commission, Southwick Rails to Trails, Southwick, MA

Project Manager for the design of a 3-mile bike trail along abandoned railbed including several at-grade crossings, drainage and permitting and enhancements along the trail. Responsibilities included project oversight for the preparation of bid documents for submission to MassDOT for construction, preparation for and attendance at public meetings and coordination with the Town of Southwick and MassDOT and construction phase services.

Town of Milford, Milford Upper Charles Trail, Phase 1 and 2, Milford, MA

Project Manager for the design of approximately seven miles of bike trail along abandoned railbed including several at-grade crossings, drainage and permitting and enhancements along the trail. Responsibilities include project oversight for the preparation of bid documents for submission to MassDOT for construction, preparation for and attendance at public meetings and coordination with the Town of Milford and MassDOT and construction phase services.

Chicopee Department of Planning and Development, Chicopee River Canal Path, Chicopee, MA

Project Manager. Provided the City of Chicopee with survey and design of approximately 1,000 feet section of the Chicopee River Canal Path. The path runs along a section of abandoned railroad adjacent to the Chicopee River Canal. In addition to survey, the project also includes environmental permitting, landscape design and civil design of the multi-use path. This section of the path is the first phase of an anticipated two-mile stretch of rails to trail project. Responsibilities include project oversight for the preparation of bid documents for submission to MassDOT for construction, coordination with the City of Chicopee, subconsultants and MassDOT and construction phase services.



David M. Chamberlain, PE

PRINCIPAL-IN-CHARGE

Dave brings local experience gained as a Project Manager/Executive on a number of successful transportation projects in the region, including numerous airport projects at Logan International Airport, Manchester-Boston Regional Airport, and Bangor International Airport. Dave will be available at all times to the Town and the Jacobs Team as representative of our corporate commitment to meet the needs of this contract from planning through project close-out and to ensure that Jacobs' staff is providing you with responsive client service, with deliverables provided on-time and within budget.

Relevant Project Experience

Massachusetts Port Authority, FY11 Term Airfield Design, Massport Aviation Facilities, MA

Principal-in-Charge. Responsible for quality control, staffing, and overall performance of all work orders completed.

Massachusetts Port Authority, FY12-14 Engineering Services, All Massport Facilities, MA

Senior Principal. Responsible for quality control, staffing, and overall performance of all work orders completed.

Massachusetts Port Authority, Terminal B Expansion, Logan International Airport, East Boston, MA

Principal-in-Charge. Jacobs provided airside planning and design, including a new portland cement concrete apron and associated utility improvements for 100,000 square foot expansion of Terminal B. In an effort to accommodate future airline carrier growth at the airport, the new terminal expansion provided eight new aircraft gates and provide a connection between the two Terminal B buildings. Included in the design were various options for aircraft parking positions, the design of a new Portland Cement Concrete (PCC) apron, utility improvements and relocations including water, storm and sanitary sewer. While not a Design-Build, the project's design and construction ran concurrently. Jacobs has also provided on-site construction administration and resident inspection support services to maintain the fast-track nature of the project.

Massachusetts Port Authority, Runway 33L Safety Area Improvements, Logan International Airport, East Boston, MA

Project Manager. This project included several environmental elements and the construction of a concrete structure as an EMAS support system over Boston Harbor. Responsible for coordinating with the contractor on the design build team and various Massport departments. Responsible for the development of all phasing, safety and civil design drawings associated with the installation of an Engineered Materials Arresting System (EMAS) at the Runway 33L end safety area at Logan International Airport.

EDUCATION/QUALIFICATIONS

B.S.C.E., Civil Engineering, Norwich University, 1989

REGISTRATIONS/ CERTIFICATIONS

Professional Engineer, NH (#9411), 1997

MEMBERSHIPS AND AFFILIATIONS

Member, American Society of Civil Engineers

Member, Society of American Military Engineers

AWARDS/HONORS

N/A

SPECIALIZED TRAINING

OSHA 10-hr., 2011

First Aid/CPR/AED. 2013

JE Value Plus, 2012

LENGTH OF SERVICE

Jacobs: 1996-Present

Industry: 1989-Present

David M. Chamberlain, PE
PRINCIPAL-IN-CHARGE

City of Burlington, South Apron Expansion Project-Burlington International Airport, South Burlington, VT

Project Manager overseeing design and construction administration of the South Apron Expansion project at the Burlington International Airport. The 24,000 SY apron expansion consisted of heavy-duty portland cement concrete pavement, light-duty portland cement concrete pavement, bituminous concrete pavement, new trench drain and drainage trunk-lines, remote hard-stand aircraft parking areas, new high mast area lights, and the installation of two aircraft passenger boarding bridges.

New Hampshire Air National Guard, Repair Base Water System, Pease Air National Guard Base, Newington, NH

Principal-in-Charge. The project implemented horizontal direction drilling below the existing taxilane to preserve the existing pavements. Jacobs was responsible for the client coordination and the engineering implementation of multiple water gate replacements and the extension of a new water line.

New Hampshire Department of Administrative Services, Waterline Re-alignment, State Office Complex - Dolloff Building, Concord, NH

Principal-in-Charge. The project abandons an existing water line under the circa 1800's building. A new water line is connected to the old water line and routed around the building. The project involves coordination with multiple utilities on the project site.

Pease Development Authority, Runway 15-33 Reconstruction, Skyhaven Airport, Rochester, NH

Principal-in-Charge. The project involves reconstruction of the existing 4,001' long runway, a 200' extension to Runway 15 with new parallel taxiway extension, a new runway approach light system (ODALS) for runway 33 and off-airport tree clearing. Jacobs was responsible for the project scoping, management of sub-consultants, civil and electrical team disciplines and interfacing with the NHDES (Alteration of Terrain and Wetlands) on the project details.

Martha's Vineyard Airport Commission, Airport Master Plan Update Martha's Vineyard Airport, West Tisbury, MA

Principal-in-Charge. Coordination of the airport's master plan document. Working with aviation planning staff and sub-consultants for data collection from aerial and ground topographic survey, archeological assessment, and traffic collections. Distributing draft technical memorandum for elements of the update and airport layout plan set drawings.

Vermont Agency of Transportation, Airport Master Plan Update, Hartness State Airport, Springfield, VT

Principal-in-Charge. Development of an airport master plan update for Hartness State Airport. The project involved data collection in preparation of an airport inventory, preparation of aviation forecasts, facility requirements, alternatives analysis, capital improvement plan, and development of an airport layout plan set. Jacobs guided the airport master plan staff to successful completion of the project and provided extensive coordination with the master plan team throughout the project.



Darren W. Conboy, PE

STRUCTURAL LEAD

Darren is the Manager of Transportation Structures for Jacobs' New England Region. He has over 40 years of experience in structural engineering design for bridge and highway projects, ranging from bridge inspections and ratings to the design of bridges on new alignments, as well as major reconstruction/rehabilitation. Darren brings extensive knowledge of the design and construction of simple and complex steel, cast-in-place concrete and precast concrete bridges over highways, railroads and waterways. He has authored a number of papers and made technical presentations on a variety of bridge and other structural-related topics. Darren is a member of the Precast/Prestressed Concrete Institute's Northeast Region Bridge Committee which developed the standards for the New England Bulb Tee girder and is currently updating its Rapid Bridge Construction Manual. He participated in the MassDOT Bridge Quality Initiative that updated the state bridge manual and also served on a committee that reviewed their new geotechnical manual. Darren also has extensive experience with AASHTO, AREMA, and the design codes for all New England states.

Relevant Project Experience

Middlesex School, Access Road Bridge, Concord, MA

Project Manager for design of a 12-span, 300-foot long timber bridge providing roadway access to the Middlesex School's new athletic facilities. The new structure, which was built over a sensitive environmental area, was constructed with glu-laminated timber beams and an open steel grid deck. The deck allows sunlight, rain, and leaf litter through to the ground beneath it. Helical steel piles were utilized to minimize the disruption to adjacent wetlands. The bridge was constructed in approximately two months.

MassDOT-Highway/City of Waltham, Winter Street Reconstruction, Waltham, MA

Project Manager for \$15M reconstruction of a major interstate interchange. The project's elements included an 81.6-meter, four-span continuous, post-tensioned New England Bulb Tee Girder replacement bridge carrying Winter Street over I-95; a new collector-distributor road; and reconstruction of the interchange ramps. Existing heavy traffic volumes of 170,000 vehicles per day (vpd) on I-95 and 40,000 vpd on Winter Street made traffic management a major concern.

MassDOT-Highway, Methuen Rotary – I-93/Route 110/Route113 Interchange Improvement Project, Methuen, MA

Project Manager for preparation of EA/EIR documents and preliminary and final highway and bridge design for reconstruction/reconfiguration of the existing rotary-style interchange to a partial clover leaf configuration. The \$56 million project also includes relocation of a section of Route 110/113, construction of five new signalized intersections, a new interstate mainline bridge and modifications to 3 existing bridges. Maintenance of traffic is a major challenge with over 120,000 vehicles per day (vpd) on I-93 and over 30,000 vpd traveling through the interchange. Jacobs is currently providing construction phase services.

EDUCATION/QUALIFICATIONS

M.C.E., Structural Engineering,
Cornell University (1976)

B.S., Civil Engineering, Cornell
University (1975)

REGISTRATIONS/ CERTIFICATIONS

Professional Engineer, Structural: MA
(#31106), 1982; NH (#9266), 1996;
RI (#8134), 2004;

Professional Engineer: ME (#4517),
1982; CT (#29879), 2013

Professional Engineer, Civil/
Structural: VT (#5447), 1987

MEMBERSHIPS AND AFFILIATIONS

Member, American Society of Civil
Engineers

Member, Boston Society of Civil
Engineers

LENGTH OF SERVICE

Jacobs: 1977-1982, 1998-Present

Industry: 1976-Present

Darren W. Conboy, PE
STRUCTURAL LEAD

MassDOT-Highway, I-95/I-93 (Route 128) Transportation Improvements (Bridge V), Needham-Wellesley, MA

Project Manager for preliminary and final highway and bridge design for a 3.5-mile section of the I-95 (Route 128) Add-A-Lane project. This is the largest and most complex segment of an overall project to improve an existing severe capacity constriction on a 13-mile section of I-95/I-93, which is among the most heavily-traveled interstate highways in the state. In addition to adding a new travel lane and full shoulder to the mainline highway, the project includes construction of a new interchange and reconstruction/reconfiguration of two additional interchanges. Two new collector-distributor roadways are being constructed to address safety deficiencies, which include substandard weave distances at one of the existing interchanges. Four existing bridges are being replaced, including a railroad bridge. Two additional bridges are being widened and one new bridge constructed. Noise walls are also being constructed in several locations. Total estimated construction cost is \$135 million.

MassDOT-Highway, Route 2 over I-95 (Route 128), Lexington, MA

Structural Manager for preparation of a feasibility study and preliminary design plans for the replacement of twin 4-span bridges carrying Rte. 2 over I-95. Project Manager for the construction phase of the project. The proposed replacement bridges will be 2-span (163'-163'), steel plate girder structures. Maintenance of traffic is the primary concern with ADT's of 68,000 on Rte. 2 and 172,000 on I-95. Accelerated bridge construction techniques are being included. The project includes reconstruction of the median and other improvements on a 2-mile section of I-95 under a \$50 million design/build contract. Jacobs prepared contract documents and is serving as the owner's representative during construction.

MassDOT-Highway, Route 79/I-195 Interchange, Fall River, MA

Project Manager/Technical Advisor/Structural Manager. Beginning in 1999, served as Project Manager for the development of rehabilitation plans for the 111-span, multi-level Route 79 viaduct and associated ramp structures that comprise the interchange with I-195. Project stopped at 75% stage. Project was re-scoped to include demolition of the viaduct and complete reconstruction of the interchange. He served as the Structural Manager for development of design/build documents for the reconstruction of the interchange that will replace the existing viaduct and ramp structures with at-grade roadways and eight separate bridges. Currently, serving as Technical Advisor for the review services as part of Jacobs' role as the owner's representative for this \$200 million project.

MassDOT-Highway, Rehabilitation of the Route 13 Bridge over North Nashua River, Leominster, MA

Structural Project Manager for the rehabilitation of two-span, stone arch bridge with an overall length of 26 meters and was originally built in 1872. The purpose of this project was to stabilize and strengthen the arches, bringing them into compliance with current AASHTO and MassHighway criteria. MassHighway was awarded a grant under Federal Highway Administration's "Innovative Bridge Research and Construction Program" to utilize the ARCHTEC technology to rehabilitate and improve the capacity and service life of this potentially historic structure. The process, developed by CINTEC in England, utilizes an innovative non-destructive strengthening technique involving the installation of grouted, stainless steel anchors longitudinally through individual stones in the arch barrel.



Thomas Decker, PE

HYDRAULICS

Tom is experienced in hydrologic and hydraulic studies, roadway drainage design, floodplain analysis, regulatory permits, bridge scour evaluations, and dam remedial improvements. He has applied HEC-1, HEC-2, HEC-RAS, and roadway-drainage design computer programs extensively, and has been involved in numerous projects relating to stormwater management, water quality control, and flood control.

Tom has extensive bridge scour related experience and served as the Project Engineer responsible for the Stage I screening of 150 bridges in New Jersey, and prepared numerous detailed scour evaluations for bridges for New Jersey Department of Transportation, New Jersey Turnpike Authority, New York State Thruway Authority, and the Minnesota Department of Transportation.

Relevant Project Experience

Vermont Agency of Transportation, Hydraulics Design Scour Analysis Report, I-91 Bridge Improvements (Bridges 33N & 33S), Town of Windsor, VT

Water Resource Manager responsible for detailed hydrologic and hydraulic analyses, modeling, and bridge scour analyses for the 0.2% Annual Chance (500-year) design storm for the I-91 Bridges based on the Federal Highway Administration's (FHWA) HEC-18 manual. VTrans specified that the 1% Annual Chance (100-year) design storm scour analysis was not necessary since the proposed piers would be located outside of the Federal Emergency Management Agency (FEMA) 100-Year Water Surface Elevation (WSEL) limits. However, the 1% Annual Chance design storm was modeled as a check-run to verify that the improvement design proposed pier stem columns would be outside of the project-modeled 1% AC WSEL limits. Jacobs was Lead Designer for this tight-scheduled, design-build project, which included complicated modeling for the bridges' multiple pier stems skewed to flow. The final deliverable was a timely, detailed Hydrologic, Hydraulic, and Scour Analysis Project Report, which was accepted by VTrans upon first submittal (the state reviewing agency had no review comments regarding the Scour Report).

Vermont Agency of Transportation, Railroad Bridge 57A over Cold Spring Brook Replacement, Shaftsbury, VT

Water Resource Manager responsible for managing the hydrologic and hydraulic analysis for the replacement of the Railroad Bridge 57A over Cold Spring Brook in Shaftsbury, VT. For the hydrologic analysis, several different methodologies including the AWM method, USGS Regression 1971 (Model, Johnson, and Laraway), USGS Regression 1974 (Model, Johnson, and Tasker), USGS StreamStats, FHWA 3 Parameter Method, and Natural Resource Conservation Service were used to calculate and compare the peak flow rates. The most appropriate peak flow rate was utilized. For the hydraulic analysis, the stream was modeled using the Unsteady Flow HEC-RAS Modeling Routine in order to accurately represent the storage behind the railroad embankment. Our analysis indicated that a roadway bridge downstream is overtopped during existing conditions. Any additional flow through the railroad bridge would promote

EDUCATION/QUALIFICATIONS

M.S.C.E., Water Resources and Environmental Engineering, Rutgers University, Rutgers, New Jersey, 2003

B.S.C.E., Civil Engineering, Clemson University, Clemson, SC, 1986

REGISTRATIONS/ CERTIFICATIONS

Professional Engineer: NJ, MD, IN, NY

MEMBERSHIPS AND AFFILIATIONS

Member, American Society of Civil Engineers

Member, American Water Resources Association

LENGTH OF SERVICE

Jacobs: 1991-Present

Industry: 1986-Present

Thomas Decker, PE
HYDRAULICS

increased flooding and/or failure to the Route 67 Bridge. However, providing a replacement design that maintains existing conditions would present a safety consideration in the event of an embankment failure. As such, enlarging both the railroad culvert and the downstream roadway bridge was recommended since impacts to properties downstream of the roadway will likely be minimal.

NJ Turnpike Authority, Widening and Rehabilitation of Bass River Bridge, Milepost 51.9, Township of Bass River, NJ

Water Resources Manager responsible for preliminary and final highway drainage design including detailed hydrologic and hydraulic analyses. The Bass River modeling included both the effects of a tidal impacted storm and fluvial discharges routed to the crossing location using the Unsteady HEC-RAS Modeling Routine to obtain the scour analysis variables to estimate the scour depths for the substructure design and scour countermeasures. The design was based on the procedures in HEC-18 (Evaluating Scour at Bridges) and HEC-23 (Bridge Scour and Stream Instability Countermeasures). It also included culvert inspection and a report containing recommendations for cleaning or replacement. This was important since much of the existing pipe was corrugate metal pipe that showed signs of deterioration and requires replacement. As a subconsultant, Jacobs provided highway design, roadway appurtenance design, preparation of MPT, and construction support services plans for a new "sister" bridge and rehabilitation of the existing Bass River Bridge, which carries the Garden State Parkway northbound and southbound roadways.

County of Somerset, Replacement of County Bridge No. K0402, Bennetts Lane Bridge over a Tributary to Six Mile Run, Franklin Township, NJ

Hydrology and Hydraulics Project Manager responsible for stream hydrologic and hydraulic analysis. Environmental and Water Resource analysis included drainage, wetlands delineation, and HEC-RAS modeling to establish the flood hazard area. Scour depth was computed using the procedures in FHWA HEC-18. Footings were designed to be scour resistant in accordance with FHWA HEC-18. Permit plans and applications will be prepared for a NJDEP Flood Hazard Area Permit and wetland General Permit 10A – Very Minor Road Crossing and General Permit 11 – for outfall and intake. Jacobs provided Bridge type studies and design, roadway design, environmental permitting, HEC-RAC modeling, and stormwater management (SWM) design services for the complete replacement of Bridge No. K0402. The structure is located on Bennetts Lane in Franklin Township and the structure spans over a tributary to Six Mile Run, a Category One (C-1) watercourse. The existing structure is comprised of concrete encased simple span steel stringers supporting a concrete deck overlaid with asphalt. The bridge roadway width is approximately 20 feet, providing two 10-foot lanes, and no shoulders, to accommodate two-way traffic. Jacobs is providing services for bridge, roadway, and utility design. The plans provided continued access to an adjacent residential dwelling, provided temporary detours during bridge construction, and detailed the removal of the existing structure.



Kimberly Degutis, PWS, CESCL

ENVIRONMENTAL

Kimberly has over eighteen years of progressive experience in environmental planning and regulatory permitting services for a variety of resource development projects, including electric transmission lines, moderate to large transportation development and redevelopment projects, pipeline construction and maintenance and medium and large-scale natural resource projects. She has managed the biological resource teams for highway improvement, energy transmission and development, and natural resource planning projects. She also regularly provides interdisciplinary and interagency coordination and support with biological and botanical surveys for complex linear projects requiring NEPA review for FWH, BLM, FAA, USFS, USFWS, NOAA and FERC.

Her body of work includes the planning and regulatory permitting preparation for a variety of transportation and energy related projects, including the successful acquisition of Section 404 / 401B and Section 10 permits for moderate and large scale interstate and highway redevelopment projects. She regularly provides multi-agency coordination between the USCOE, USFWS, various state SHPO, EPA, NOAA fisheries, BLM, USFS and other federal and state regulatory agencies.

Her most recent experience in transportation includes the regulatory planning and permitting of wetlands and botanical components of the Alaska LNG Project and associated access routes; emergency wetland permit coordination and acquisition for local LNG distribution pipelines and on-call delineation, habitat assessment and wetland mitigation coordination for Oregon DOT and WashDOT. Her other linear experience includes providing agency coordination and technical guidance for the Boardman to Hemingway Electric Transmission Line Project EIS, providing wetland and botanical inventory and assessment for the Cascade Crossing Electric Transmission Line Project, and the wetland inventory and biological evaluation (botanical) for the Energy Gateway South Transmission Line Project.

Kim has planned, led and conducted numerous wetland ecological surveys and assessments in six regions of the country, including the Mid-Atlantic, New England, Alaska, the Pacific Northwest and Great Plains regions. She has experience in the use of geographical information systems (GIS) analyses and global positioning satellite (GPS) survey.

She is acutely cognizant that the regulatory landscape presents opportunities and challenges for providing solutions that improve access and capacity while protecting natural resource systems to the extent possible. Her experience has led to a collegial interactive approach within the project team and agencies, and she anticipates the needs of agencies and actively engages staff in order to provide information in a format for ease of review.

Select Project Experience with Other Firms

Montgomery County, Lower Perkiomen Trail Development, Montgomery County, PA

Deputy Project Manager for an 8-mile rail-to-trail conversion project. Supervised coordination of wetland delineation among several field teams to satisfy an expedited project schedule. Supervised preparation and

EDUCATION/QUALIFICATIONS

B.S., Marine Science, Richard Stockton College of New Jersey (1997)

B.S., Environmental Studies, Richard Stockton College of New Jersey (1998)

Certification in Geomatics, Cook College, Continuing Professional Education, Rutgers University, New Jersey (2001)

REGISTRATIONS/ CERTIFICATIONS

Professional Wetland Scientist (#2063)

Certified Erosion and Sediment Control Lead (#70062)

MEMBERSHIPS AND AFFILIATIONS

Member, Society of Wetland Scientists

Member, Association of State Wetland Managers

Member, Northwest Association of Environmental Professionals

LENGTH OF SERVICE

Jacobs: 2017-Present

Industry: 1998-Present

Kimberly Degutis, PWS,
CESCL
ENVIRONMENTAL

submittal of Federal / local wetlands approvals. Prepared natural resource section of locally approved EIS.

Hudson River Waterfront Conservancy, Hudson River Walkway, Bergen County Segment, NJ

Technical Lead. Route alignment and planning services for new bike/ped trail. Responsible for field survey, cataloging and analysis of existing Walkway segments, access points and potential parcels to determine availability to add to the existing Walkway. Developed Geographic Information System data for inclusion with New Jersey Department of Environmental Protection database to document segment findings and access points, along with hyperlinking photos to access point file.

City of Vancouver, Renaissance Trail Repair Mitigation Monitoring, Clark County, WA

Task Lead. Environmental monitoring of restoration and creation areas along 2-acre linear, slope dominant upland / wetland mitigation project. Provided recommendations for site viability during drought conditions and invasive species management and control. Also provided recommendations for toe-of-slope anchoring and slope stabilization for areas affected by wave action and tidal current influenced erosion.

Delaware Valley Regional Planning Commission, Heritage Trail Phase 1 & Phase 2 Studies, Burlington and Mercer Counties, NJ

Technical resource lead for the research and preparation of an FHWA CED for a 42-mile bike/ped facility in Burlington & Mercer Counties, NJ. Also responsible for the preparation & coordination of environmental constraints mapping utilizing both ESRI ArcGIS & Microstation software programs. Assisted in route alignment identification and constraint analysis. Project environmental specialist responsible for research and preparation of natural resource technical environmental study for incorporation into master plan and NEPA EA for proposed state park (with proposed passive / active facilities).

New Jersey Department of Transportation, East Coast Greenway, Mercer, Somerset, Middlesex, Hudson and Bergen Counties, NJ

Technical Resource Lead. Conducted pedestrian survey and existing conditions inventory for development of 40- mile segment of multi-use path through four counties in NJ. Created unique GIS-based data sets for use in "best route analysis" study to assist in alternatives analysis and route siting. Assisted in planning of potential routes for the ECG; prepared geospatial constraints mapping for analysis tasks and public meetings. Prepared NJDOT-level fatal flaws analysis for potential routes and assisted in analysis of impacts per alternative.



Da Ha, Ph.D., PE

GEOTECHNICAL ENGINEER

Da is a geotechnical engineer with over 13 years of experience working on a variety of geotechnical engineering design and research projects for clients in both public and private sectors and in both industry and academia. He has been responsible for day-to-day execution of projects, including meetings with clients, technical analyses and developing engineering recommendations, preparing proposals, reports and papers, technical memoranda, specifications and drawings; reviewing contractor's technical submittals, planning and conducting field exploration, inspection, instrumentation and monitoring activities.

Relevant Project Experience

City of Austin, Lady Bird Lake Trail MSE Retaining Wall, Austin, TX
Geotechnical Engineer. Performed global stability, internal shear, base sliding, over turning and bearing capacity analyses for MSE wall design; geogrid reinforced MSE wall design.

MBTA South Coast Rail Bridges Enhancement Project (Early Action), Fall River & New Bedford, MA

Lead Geotechnical Engineer/Jacobs Project Manager. Planned and supervised field exploration. Reviewed and summarized field exploration data, provided geotechnical design (including deep foundations, permanent retaining wall, MSE wall, and shallow foundations) and construction recommendations for the proposed four replacement bridges along the future South Coast Rail track. Reviewed and commented on near final plans for compliance with geotechnical recommendations. Developed specifications for geotechnical related items and provide comments on the estimates as related to geotechnical items.

New Jersey Department of Transportation, Wittpenn Bridge (Route 7 over Hackensack River) C3A, Kearny, NJ

Lead Geotechnical Engineer. Surcharge design with settlement analyses and instrumentation design for the Relocated Fish House Road. Settlement of up to 4 to 5 feet was estimated with normal weight fill. Numerical analyses on the impacts of surcharge on the proposed CSX maintenance building and CSX/Conrail tracks nearby. Investigated cut-off wall and light weigh fill options for the design.

Ohio River Bridges Design-Build Project - East End Crossing, Section 4 - Harrod's Creek Bridge, Jefferson County, KY

Geotechnical Design Engineer for Design-Build project. Performed driven H-pile group foundations design for abutments and piers.

Ohio River Bridges Design-Build Project - East End Crossing Tunnels, IN-KY

Design-Build project. Performed Finite Element Analysis (FEA) using Midas GTS software as an independent check against the FLAC analysis to obtain the design rock load for the final lining design. The tunnels are twin highway tunnels each with an approximate cross section of 55 feet wide and 32.5 feet high and separated by a rock pillar which varies in thickness. The tunnels are approximately symmetrical about the centerline of the pillar and are to be excavated in hard rock.

EDUCATION/QUALIFICATIONS

Ph.D., Civil Engineering, Rensselaer Polytechnic Institute (2007)

M.A.Sc., Civil Engineering, Carleton University (2004)

B.Eng., Civil Engineering, Dalian University of Technology (2001)

REGISTRATIONS/ CERTIFICATIONS

Professional Civil Engineer:
MA (#49267), 2011; ME (#12962),
2012; VT (#85935), 2012

MEMBERSHIPS AND AFFILIATIONS

Member, ASCE

Member, Boston Society of Civil Engineers Section of ASCE

Name listed in Marquis Who's Who in America, 2011

The Thomas Archibald Bedford Prize, Rensselaer Polytechnic Institute, 2008

LENGTH OF SERVICE

Jacobs: 2012-Present

Industry: 2001-Present

Da Ha, Ph.D., PE
 GEOTECHNICAL ENGINEER

Vermont Agency of Transportation, I-91 Bridges, Windsor, VT

Lead Geotechnical Design Engineer for Design-Build project, involved from the RFP phase. Performed preliminary design for bid. In the final design phase developed subsurface exploration program, conducted deep and shallow foundation design for the multi-span interstate twin bridges, prepared final Geotechnical Design Report, reviewed Contractor's SOE design and pile driving criteria submittals. Extensive coordination with other disciplines (structure, roadway, hydraulic and environmental).

MBTA Bus Repair Facility Renovation Design, Everett, MA

Lead Geotechnical Design Engineer. Developed the instrumentation and monitoring plans and specifications for long-term settlement monitoring of slab and columns after filling the crawlspace of the building with cellular concrete. The current first floor slab of the building is in bad condition and is degrading. The proposed cellular concrete will confine the concrete degrading and support the slab. Extensive coordination with other disciplines.

MBTA Boston College Station, Boston, MA

Lead Geotechnical Design Engineer. Reviewed and summarized field exploration and lab test data. Developed preliminary foundation design report for the proposed train station platform, canopy column and catenary pole foundations. Coordination with other disciplines.

MassDOT-Highway, Longfellow Pedestrian Bridge, Boston, MA

Lead Geotechnical Design Engineer. Reviewed and summarized field exploration and lab test data, provided preliminary foundation design report for the proposed pedestrian bridge over Storrow Drive in Cambridge, MA.

MBTA South Coast Rail, Multiple Locations, MA

Geotechnical Engineer/ Project Manager. Planned and conducted field exploration work. Reviewed and summarized field exploration data, provided preliminary foundation design recommendations for train station platforms and canopies along the planned South Coast Rail (both Fall River and New Bedford lines). Conducted foundation bearing capacity and settlement analyses, seismic site class evaluation, and calculations on the design spectral response parameters.

MassDOT-Highway, Route 79/I-195 Interchange Reconstruction, Fall River, MA

Geotechnical Engineer. Reviewed the subsurface exploration data for the reconstruction of the interchange that will replace the existing viaduct and ramp structures with at-grade roadways and eight separate bridges. Managed geotechnical exploration work for sign and signal borings. Reviewed proposals from the Design-Build teams during team selecting phase. During construction phase, reviewed and commented on the Design-Build Contractor's submittals.

MBTA Fitchburg Commuter Rail Project, Littleton, MA

Geotechnical Engineer. Reviewed and commented on the contractor's design submittals for field instrumentation and monitoring program, Crosshole Sonic Logging and Drilled Micro-piles.



Maryann T. Magner

ENVIRONMENTAL

As an environmental scientist for Jacobs, Maryann prepares environmental documents for a broad range of highway, transit, aviation, and other transportation and facility projects. Her experience spans the full range of environmental documentation activities, including contributing to several major EIS/EIR documents and preparing EA and CE checklist documents. In recent years, she prepared Environmental Assessments for the Massachusetts Department of Transportation (MassDOT), Massachusetts Bay Transportation Authority, Provincetown Municipal Airport, and Mount Wachusett Community College.

Maryann is well versed in the preparation of applications for a broad range of permits and other agency reviews, including Corps of Engineers Section 404 Permits, CZM Consistency Review, Notice of Intent, Chapter 91 License, 401 Water Quality Certification, Stormwater Management Plans, and NPDES permits. She is a qualified airport wildlife biologist and can conduct wildlife hazard assessments and prepare wildlife hazard management plans for airports. Her additional experience includes serving as a monitor for environmental regulatory compliance during construction of highway and transit projects, designing wetland replication sites, and serving as wetland specialist for wetland monitoring during construction.

Relevant Project Experience

City of Beverly, Rte. 128, Exit 19 Brimbal Avenue Interchange Improvements, Beverly, MA

Environmental Scientist for interchange and local roadway improvements at Rte. 128/ Brimbal Avenue in Beverly. In an area zoned for commercial development, the roadway improvements would improve off-ramp safety, add two roundabouts, improve access to development parcels, and improve pedestrian and cyclist conditions. Maryann prepared and environmental documents for state review.

MassDOT-Highway, I-495 at Route 140 Intersection Improvement Project, Mansfield, MA

Team Member. Responsible for preparation of an Environmental Assessment to meet the FHWA NEPA compliance requirements. Project needed to be on a fast track for environmental review.

MassDOT-Highway, Salem-Beverly Transportation Project, Final Supplemental Environmental Impact Report (FSEIR), Salem-Beverly, MA

Permit Manager. Responsible for impact assessments and permit process for over 10 environmental permit applications required for project. Responsible for monitoring project for environmental regulatory compliance during construction.

MassDOT-Highway, Route 79/I-195 Interchange Reconstruction Project, Fall River, MA

Environmental Scientist. Responsible for preparation of an Environmental Assessment and Environmental Notification Form to meet the requirements for NEPA and MEPA. Also prepared all environmental state and federal permit applications. Project needed to meet the schedule for

EDUCATION/QUALIFICATIONS

B.A., Biology, Merrimack College
(1969)

MEMBERSHIPS AND AFFILIATIONS

Past Member and Chairman, Norfolk
Conservation Commission

LENGTH OF SERVICE

Jacobs: 1986-Present

Industry: 1986-Present

Maryann T. Magner
ENVIRONMENTAL

the MassDOT Accelerated Bridge Program. Responsible for review of submissions from Design Build contractor that relate to environmental permits during construction.

Martha's Vineyard Airport, ARFF/SRE Building Project, West Tisbury, MA

Environmental Scientist for the preparation of letter to NHESP to obtain clearance for ARFF/SRE Building project pursuant to the Massachusetts Endangered Species Act.

Nantucket Memorial Airport, Environmental Review, Nantucket, MA

Environmental Scientist. Provided opinion regarding notification to NHESP pursuant to the Massachusetts Endangered Species Act.

Vermont Agency of Transportation, Environmental Assessment, Hartness State Airport, Springfield, VT

Environmental Scientist for the preparation of an EA for Runway Safety Area and Apron Improvements. Mitigation was developed to protect the listed Northern Long-Eared Bat and wetland resources.

Mount Wachusett Community College, Environmental Assessment for Wind Turbine Project, Gardner, MA

Senior Planner. Responsible for preparation of an Environmental Assessment to meet the Department of Energy (DOE) Golden Office NEPA compliance requirements to locate two 1.6mW wind turbines at the College.

Provincetown Municipal Airport, Wildlife Hazard Assessment, Provincetown, MA

Airport Wildlife Biologist. Responsible for data collection and preparation of a Wildlife Hazard Assessment for the Airport and Management Plan.

Provincetown Municipal Airport, Capital Improvements Plan, Environmental Impact Report/Environmental Assessment/DRI, Provincetown, MA

Document Manager. Responsible for overall document and discussion of environmental components. Contributed to permitting strategy for review by Cape Cod Commission and National Park Service. Project located within the Cape Cod National Seashore.

MBTA Worcester Commuter Rail Extension Project, Draft Environmental Impact Report (DEIR), Worcester, MA

Environmental Scientist. Prepared natural systems inventories and impact assessments. Responsible for wetland monitoring during construction.



Paul J. Murphy, PE

GEOTECHNICAL LEAD

Mr. Murphy is a senior geotechnical engineer and Geotechnical Group Manager for Jacobs Boston office with over 28 years of experience working on a variety of major bridge, building, transportation, infrastructure, and tunnel foundation engineering design and construction projects for public and private clients. He currently manages a staff of 10 engineers, geologists and technicians and is responsible for QA/QC and Peer Review of Geotechnical Reports and Designs, planning and executing subsurface exploration and laboratory testing programs, execution of projects, conducting meetings with clients, technical analyses and developing foundation recommendations, preparing proposals, reports, technical memoranda, and specifications; reviewing contractor technical submittals and overseeing field monitoring activities.

Relevant Project Experience

MassDOT-Highway, Route 9 over Lake Quinsigamond (Kenneth Burns Memorial Bridge) Design-Build Bridge Replacement Project, Shrewsbury/Worcester, MA

Geotechnical Project Manager responsible for managing and planning all aspects of geotechnical services, foundation design and QA/QC for replacement foundations for the new Burns Bridge. New piers are supported on 36-inch-diameter steel pipe piles ranging in depth from 70 to 280 feet, east abutment is supported on HP14x89 piles, and west abutment is supported on spread footings. Northeast wingwall is supported on 9-5/8-inch-diameter drilled minipiles socketed into bedrock to limit pile driving vibrations on adjacent structure within 5 feet of new foundations. Reviewed seismic and liquefaction assessment, and estimate of settlement impacts to existing bridge piers supported on spread footings due to vibrations from pile driving, and impacts to adjacent structures due to construction of new pile supported bridge foundations.

Ohio River Bridges Design-Build Project - East End Crossing, Section 4 - Harrod's Creek Bridge, Jefferson County, KY

Senior Geotechnical Engineer responsible for QA/QC of the driven pile and drilled shaft foundation designs for the replacement bridge's new abutments and piers. Design loads for the abutments and wingwalls included downdrag loads due to raise in grade in these areas. Design was evaluated using GROUP, APile and DRIVEN software. Developed the required driving resistance and accounted for shale relaxation as well as the most stringent factor between AASHTO, INDOT and KYTC for the field pile testing method selected. 8-ft diameter drilled shaft foundations were designed for the interior piers. Evaluated lateral fixity through LPile software and determined length of rock socket for developing the required axial capacity. The structural cross section of the shaft was evaluated using PCA Column. Prepared foundation specifications.

MassDOT-Highway, Longfellow Pedestrian Bridge, Boston, MA

Senior Geotechnical Engineer responsible for planning and executing subsurface explorations and lab testing, and responsible for preparation of geotechnical foundation design recommendations for pedestrian bridge.

EDUCATION/QUALIFICATIONS

M.Eng., Civil Engineering, Cornell University (1990)

B.S., Civil Engineering, Northeastern University (1987)

REGISTRATIONS/ CERTIFICATIONS

Professional Engineer: MA (#45695), 2003; CT (#29935), 2013; NY (pending)

LENGTH OF SERVICE

Jacobs: 2011-Present

Industry: 1987-Present

Paul J. Murphy, PE
 GEOTECHNICAL LEAD

MBTA Fitchburg Commuter Rail Project, Littleton, MA

Senior Geotechnical Engineer responsible for review of contractor submittals and QA/QC during construction of retaining walls, drilled micropiles and drilled shaft foundations.

MBTA New Bedford/Fall River Commuter Rail (South Coast Rail) Project, Southeastern MA

Geotechnical Project Manager. Managed geotechnical studies and prepared geotechnical foundation design and construction reports for new stations and retaining walls along the proposed \$1.4 billion rail expansion, linking Boston with Taunton, Fall River and New Bedford, with 11 new stations, and new layover facilities and parking structures.

MassDOT-Highway, I-93/Route 110/Route 113 Interchange Project, Methuen, MA

Client: Massachusetts Department of Transportation, Highway Division
Title: Senior Geotechnical Engineer. Performed QA/QC review of foundation design calculations, recommendations and report for pile supported bridge abutments and infiltration basin embankment stability calculations and design. Reviewed geotechnical design memorandum for the proposed temporary widening areas of the two existing bridges carrying I-93 over the Route 110/113 rotary in accordance with AASHTO LRFD Bridge Specifications and MassDOT LRFD Bridge Design Manual.

MassDOT-Highway, Route 79/I-195 Interchange Reconstruction, Fall River, MA

Geotechnical Engineer. Managed all geotechnical aspects of explorations, analyses and 25% design level documents for the reconstruction of the interchange that will replace the existing viaduct and ramp structures with at-grade roadways and eight separate bridges. Performed QA/QC review of foundation design calculations, recommendations and geotechnical reports for bridges and retaining walls. This is one of the 5 "mega projects" in Massachusetts' Accelerated Bridge Program. Currently performing QA/QC review of contractor submittals related to final design geotechnical bridge and retaining wall reports.

Vermont Agency of Transportation, Bridge No. 64 over the Battenkill River, VT

Senior Geotechnical Engineer. Reviewed geotechnical bearing resistance analyses for spread footing and drilled shaft foundation alternatives improvements to Bridge 64. Prepared geotechnical design memorandum with foundation recommendations.

Vermont Agency of Transportation, I-91 Bridge Improvements, Bridges 33N & 33S over VT 44 and Mill Brook, Design-Build, Windsor, VT

Senior Geotechnical Engineer. Conducted QA/QC review of geotechnical analyses for deep and shallow foundations for the multi-span interstate twin bridges, and responsible for review of final Geotechnical Design Report. Reviewed contractor submittals and responsible for periodic review of construction procedures for compliance with design.



Aaron Seaman, PE

HYDRAULICS

Aaron's primary responsibilities include the design and preparation of contract plans and documents. His duties include hydrologic and hydraulic modeling, drainage design, quantity calculations, cost estimates, and permitting for transportation related projects.

Relevant Project Experience

Town of Farmington, Bay Road Bridge Cover over Cocheco River, Farmington, MA

Project Engineer for the preliminary and final design of the Bay Road Bridge replacement. Responsibilities included the hydrologic modeling and hydraulic analysis of the existing and proposed bridge structures, and environmental permitting. The hydraulic analysis of the bridge was completed with HEC-RAS. Permitting for this project consisted of the standard dredge & fill application and the protected shoreland application. This project involved the complete replacement of the existing bridge, realignment of the roadway, restoration of natural riverbed, installation of guardrail, permitting, preliminary design, final design, construction administration, and construction inspection services.

Town of Peterborough, Old Greenfield Road Bridge Replacement Over Bogle Brook, Peterborough, NH

Project Engineer for the preliminary and final design of the Old Greenfield Road Bridge replacement. Responsibilities included the hydraulic analysis of the existing and proposed bridge structures, environmental permitting (standard dredge & fill application), and preparation of bid documents. The hydraulic analysis of the bridge was completed with HEC-RAS. Permitting consisted of the standard dredge & fill application. This bridge is being placed at a heavy skew to better align the structure with the natural flow of the brook. Project included complete replacement of the bridge system, stream alignment, and restoration to the damaged roadway, installation of guardrail, permitting, preliminary design, final design, construction administration, and construction inspection services.

Town of Peterborough, Sand Hill Road Culvert Extension Replacement, Peterborough, MA

Project Engineer for the replacement of a culvert extension on Sand Hill Road over an unnamed tributary of Contoocook River. The hydraulic analysis of the bridge was completed with HEC-RAS. Permitting consisted of the minimum expedited wetland application. Responsibilities for this project included preliminary design, environmental permitting, and hydraulic analysis of existing structure and the proposed replacement.

Town of Farmington, Ten Rod Road Bridge Replacement over a Tributary of Mad River, Farmington, NH

Preliminary and Final Design Project Engineer. This project will improve the safety through the complete replacement of the bridge structure, enhancement of surface water drainage, and installation of guardrail. The project included permitting, preliminary design, final design, construction administration, and construction inspection services. The hydraulic analysis of the bridge was completed with HEC-RAS. Permitting consisted of the minimum expedited wetland application. Responsibilities

EDUCATION/QUALIFICATIONS

B.S., Civil & Environmental Engineering, University of Maine (2005)

A.A.S., Architectural and Civil Engineering Technology, Central Maine Community College (2003)

REGISTRATIONS/CERTIFICATIONS

Professional Engineer, NH (#15107), 2016

MEMBERSHIPS AND AFFILIATIONS

Member, Society of American Military Engineers

LENGTH OF SERVICE

Jacobs: 2006-Present

Industry: 2001-Present

Aaron Seaman, PE
HYDRAULICS

included the hydraulic analysis of the existing and proposed bridge structures, environmental permitting, and preparation of bid documents.

Vermont Agency of Transportation, Railroad Engineering Services, Statewide, VT

Project Engineer for a 3-year on-call services contract to provide bridge inspection, load rating analysis, rehabilitation design, bridge replacement design, hydraulic and scour analyses, contract documents, construction engineering, planning and other related design services for state owned railroad bridges, track, and facilities.

Responsibilities included bridge inspection activities, hydrologic and hydraulic analyses, oversight of boring activities, and permitting for the several assignments, including:

Scoping report, hydrologic and hydraulic analysis, geotechnical recommendations, survey, environmental permitting and preliminary design for the replacement of a historic stone arch supporting a massive fill section of the Vermont Rail Line.

Hydraulic review and scour analysis of a 65-foot, single-span thru girder bridge founded on cut-stone abutments. The Vermont Railway Line approaches are constructed on causeways to cross the river. The existing bridge is being analyzed to determine initial affects and necessary scour countermeasures resulting from a dam removal just downstream of the bridge location.

Scoping report, geotechnical recommendations, and preliminary design for bridge member strengthening, abutment replacement, bearing seat replacement, new bearings and new bridge approach span for a 190-foot, two-span deck truss bridge located in the Green Mountain Line.

In-Depth Inspection and measurements, load rating analysis, repair recommendations with conceptual design, and cost estimating for bridges located on the Vermont Rail Line. Bridge types consisted of thru plate girders, deck plate girders, thru trusses, stone arches and solid slab.

MassDOT-Highway, On-Call Value Engineering Services, Statewide, MA

Assistant Team Leader for Value Engineering studies reviewing preliminary engineering designs for bridge replacement and rehabilitation projects. Responsibilities included generating a cost analysis, documenting information from each phase of the study, creating the presentation, and preparing a report for the study on the following assignments:

Potentially historic Willimansett Bridge in Chicopee-Holyoke

Taylor St Bridge over I-495 & I-495 Bridges over Route 2 in Littleton

Route 2A Bridge over I-95 in Lexington

Walnut St Bridge over Route 1 in Saugus

Braga Bridge in Fall River

Route 18 Widening and Bridge Replacement in Abington-Weymouth

MBTA Fitchburg Commuter Rail Improvements, Concord, MA

Project Engineer responsible for the hydrologic and hydraulic analyses of a railroad bridge replacement over the Assabet River on the Fitchburg Main Line. HEC-RAS was the software utilized for the hydraulic analysis.



Xiumin Zeng, PE

STRUCTURAL

Xiumin has over 8 years of professional experience as a structural engineer who works on various bridge design, ratings and other related tasks for agencies such as MassDOT, MBTA, and VTrans.

Relevant Project Experience

Massachusetts Port Authority, FY12-14 Engineering Services, All Massport Facilities, East Boston, MA

Structural Engineer. Responsible for contributing to a peer review for the Conley Terminal Exelon Inlet Bridge Type Study. Also provided structural engineer for the Logan Arrivals Tunnel Drainage Improvements project.

MassDOT Tobin Bridge Toll Plaza and Administration Building Demolition, Boston/Chelsea, MA

Team Member. This project involves the removal of the administration building and the elevator tower attached to the Tobin Bridge, as part of the conversion to an All Electronic Tolling (AET) collection system on this AET pilot project for MassDOT. Responsible for the modeling and analyzing the current and proposed condition of the bridge.

MassDOT-Highway, I-195/Route 79 Interchange Improvements, Fall River, MA

Engineer. Jacobs previously provided a feasibility study, preliminary design, and procurement assistance, and is now providing oversight services to the owner during construction. Responsible for reviewing structural submissions from the design-build team for this interchange reconstruction project, one of the five mega-projects in Massachusetts' Accelerated Bridge Program.

Connecticut Department of Transportation, Waterbury Bus Maintenance Facility, Watertown, CT

Engineer. This project involves the construction of a 2-story building for bus maintenance and administration purposes. Responsible for reviewing the structural submissions from the design team.

MassDOT-Highway, Statewide Bridge Ratings, MA

Engineer responsible for the preparation of bridge rating reports for a variety of structure types statewide. All work is being performed in accordance with AASHTO and MassDOT requirements.

MassDOT-Highway, I-93/Route 110/Route 113 Interchange Reconfiguration and Reconstruction, Methuen, MA

Team Member. The project involves a complicated construction sequencing which includes temporary and permanent widening to adjacent structures on I-93, extensive temporary support of excavation, as well as the use of self-propelled modular transporters (SPMT's) to transport fabricated sections of the proposed bridge into place. Responsible for drafting the plans for the retaining walls along one section.

EDUCATION/QUALIFICATIONS

M. Eng., Structural Engineering,
Cornell University, 2010

B.S., Civil Engineering,
Massachusetts Institution of
Technology, 2009

REGISTRATIONS/ CERTIFICATIONS

Professional Structural Engineer, MA
(#51618), 2015

Engineer-In-Training, MA, 2009

LENGTH OF SERVICE

Jacobs: 2013-Present

Industry: 2010-Present

Xiumin Zeng, PE

STRUCTURAL

Select Project Experience with Other Firms

MassDOT Taylor Street over I-495, Littleton, MA

Client: Massachusetts Department of Transportation, Highway Division

Title: Structural Engineer

Start/End Dates: Professional Services – Completed 2012 – 2013

Scope/Description: Structural engineer for the design of a two-span continuous steel bridge.

Responsibilities: Responsibilities include superstructure design calculations, cost estimates, construction drawings, and reviewing shop drawing submittals.

MassDOT McGrath Highway over Gilman Street, Somerville, MA

Client: Massachusetts Department of Transportation, Highway Division

Title: Structural Engineer

Start/End Dates: Professional Services – Completed 2012 – 2013

Scope/Description: Structural engineer for the design of a single span steel bridge.

Responsibilities: Responsibilities include superstructure design calculations, cost estimates, construction drawings and special provisions. This bridge is composed mainly of precast elements and is part of the Accelerated Bridge Program.

MassDOT Clark Road over West Branch of Farmington River, Sandisfield, MA

Client: Massachusetts Department of Transportation, Highway Division

Title: Lead Engineer

Start/End Dates: Professional Services – Completed 2013

Scope/Description: Main engineer for the superstructure replacement project.

Responsibilities: Responsibilities include design calculations, cost estimates, construction drawings and special provisions. This project involves replacing the existing superstructure with a prefabricated pony truss as well as one of the abutments.

MassDOT Statewide Bridge Ratings, MA

Client: Massachusetts Department of Transportation, Highway Division

Title: Engineer

Start/End Dates: Professional Services – Completed 2010 – 2013

Scope/Description: All work is being performed in accordance with AASHTO and MassDOT requirements.

Responsibilities: Responsible for the preparation of bridge rating reports for a variety of structure types statewide including plate girders, masonry arches, prestressed concrete beams, and concrete encased steel truss-arch.

MassDOT Whittier Bridge/I-95 Improvement Project, MA

Client: Massachusetts Department of Transportation, Highway Division

Title: Engineer

Start/End Dates: Professional Services – Completed 2013

Scope/Description:

Responsibilities: Responsible for the second set of calculations for some of the bridges included in the project including the design of steel curved girders and rolled beams.

JACOBS[®]**Contact Us:**

Jacobs Engineering Group Inc.

120 St. James Avenue, 5th Floor
Boston, Massachusetts 02116

United States

T +1.617.242.9222

F +1.617.242.9824

www.jacobs.com

Y/N	Score	Comments
	2	<p>Contract will be awarded to the Consultant offering the most advantageous proposal, taking into consideration responsiveness to Town requirements, other comparative evaluation criteria, and price. The contract will be awarded by the Sudbury Board of Selectmen on recommendation of the evaluation committee appointed by the Town Manager. The Town reserves the right to reject any and all proposals in whole or in part, and to waive irregularities and informalities, at its sole discretion and to the extent permitted by law, if and when it is deemed to be in the best interest of the Town. Proposals will be rated using the following criteria:</p> <p>1. Ratings of Highly Advantageous "HA" =1; Advantageous "A" =.5; Not Advantageous "NA" =0 will be given to each of the following criteria for each proposer.</p> <p>2. Each of the Highly advantageous (HA) criteria met get 1 point. Advantageous (A) criteria met get 0.5 points. If HA is met, then do not award additional points for A.</p> <p>Firm/Consultant: Jacobs</p> <p>Reviewer: Beth</p> <p>Comments: - good feedback from references on completing on time and on budget</p> <p>Strengths: - exceptional lead staff experience from PM, bridge, geotech sectors - deep staff and support for project</p> <p>- 2 RT/ ped bridge projects in summary table for Jacobs; PM has led many RT project; Jacobs has 3 timber ped bridges projects featured, experience with many bridge projects, including rail; example of bridges/boardwalks in env. sensitive areas - expertise in bike and ped project incorporation in transportation projects - only sub out geotech work, all the rest done in house</p> <p>REFERENCES CONTACTED: - or PM - Roland Barti: Town of Acton Planning Director, BFRT, Assabet RRT, Kelley's Corner Imp. Project - Becky always great to work with. She offers experience and insight and is the first person to notice potential project challenges and suggest how to address them early. - proactive in moving things along and advocating for the Town, has many contacts at DOT and good reputation - GPI stuck to their budget. Some project changes were required which resulted in added costs and schedule changes, but not because she or GPI had errors in project scope/bid - she is a good, loyal consultant</p> <p>- or Jacobs - Peter Connors: MassDOT Geotechnical Department - Darren Conboy, Becky Williamson, Kristen, Paul Murphy - pleased with their work, very responsive and knowledgeable. "Darren is a gem in my book."</p>
Y	1	<p>Firm has experience working on five or more rail trail or bridge projects</p>
Y	1	<p>Demonstrates significant experience through their proposal of working on like projects</p> <p>Demonstrates significant experience of completing like projects on time and within budget</p>
TBD		<p>Advantageous (.5 pt each)</p> <ul style="list-style-type: none"> Firm has experience working on 1-5 rail trail or bridge projects Demonstrates some experience through their proposal of working on like projects Demonstrates some experience of completing like projects on time and within budget <p>Not Advantageous (0 pt each)</p> <ul style="list-style-type: none"> Firm has no experience working on rail trail or bridge projects Demonstrates no experience through their proposal of working on like projects Demonstrates no experience of completing like projects on time and within budget
	4.5	<p>Evaluation of Consultant Response</p> <p>Highly Advantageous (1 pt each)</p>
Y	1	<p>Clearly and comprehensively articulates an understanding of the project</p>
Y	1	<p>Addresses an approach to each defined task in a credible and sensible way</p>
Y	1	<p>Demonstrates mastery of the process necessary to manage projects and complete tasks</p>
N	0	<p>Has a clear and credible approach to dealing with unknowns and project contingencies if and when they emerge</p>
Y	1	<p>Provides a comprehensive, well-conceived project plan with logical steps and realistic timeframes</p> <p>Advantageous (1.5 pt each)</p>
		<p>Articulates a general understanding of the project</p>
		<p>Is credible in addressing specific requirements</p>
		<p>Demonstrates understanding of the process necessary to manage projects and complete tasks</p>
Y	0.5	<p>Acknowledges the possibility of unknowns and project contingencies and is prepared to address them in a general way</p>
		<p>Provides a project plan with logical steps and realistic timeframes</p>
		<p>If warranted, identifies sensible changes to the Scope of Work, addressing missing or poorly conceived activities</p>
		<p>Not Advantageous (0 pt each)</p>
		<p>Does not demonstrate a clear understanding of the project</p>
		<p>Addresses most but not all specific requirements</p>
		<p>Describes a general project management approach</p>
Y	0	<p>Results of Reference Checks (if Checked)</p> <p>Highly Advantageous (1 pt each)</p> <ul style="list-style-type: none"> References show that the firm, the identified Project Manager, and key personnel have positively and successfully completed similar, relevant projects on time and within budget. <p>Advantageous (.5 pt each)</p> <ul style="list-style-type: none"> References show that the firm along with some identified project team members have experience with similar projects and generally meet deadlines on time and within budget. <p>Not Advantageous (0 pt each)</p> <ul style="list-style-type: none"> References demonstrate that the firm or team members have limited relevant experience and/or do not have a track record of successfully completing projects on time and within budget.
TBD		<p>Responses from additional references. An update will be provided</p>
	6.5	

Y/N	Score	Consultant Qualification and Experience
	2	<p>Highly Advantageous (1 pt each)</p> <ul style="list-style-type: none"> Firm has experience working on five or more rail trail or bridge projects Demonstrates significant experience through their proposal of working on like projects Demonstrates significant experience of completing like projects on time and within budget <p>Advantageous (.5 pt each)</p> <ul style="list-style-type: none"> Firm has experience working on 1-5 rail trail or bridge projects Demonstrates some experience through their proposal of working on like projects Demonstrates some experience of completing like projects on time and within budget <p>Not Advantageous (0 pt each)</p> <ul style="list-style-type: none"> Firm has no experience working on rail trail or bridge projects Demonstrates no experience through their proposal of working on like projects Demonstrates no experience of completing like projects on time and within budget
	5	<p>Evaluation of Consultant Response</p> <p>Highly Advantageous (1 pt each)</p> <ul style="list-style-type: none"> Clearly and comprehensively articulates an understanding of the project Addresses an approach to each defined task in a credible and sensible way <p>Advantageous (.5 pt each)</p> <ul style="list-style-type: none"> Demonstrates mastery of the process necessary to manage projects and complete tasks Has a clear and credible approach to dealing with unknowns and project contingencies if and when they emerge Provides a comprehensive, well-conceived project plan with logical steps and realistic timeframes <p>Not Advantageous (0 pt each)</p> <ul style="list-style-type: none"> Articulates a general understanding of the project Is credible in addressing specific requirements Demonstrates understanding of the process necessary to manage projects and complete tasks Acknowledges the possibility of unknowns and project contingencies and is prepared to address them in a general way Provides a project plan with logical steps and realistic timeframes If warranted, identifies sensible changes to the Scope of Work, addressing missing or poorly conceived activities <p>Results of Reference Checks (If Checked)</p> <p>Highly Advantageous (1 pt each)</p> <ul style="list-style-type: none"> References show that the firm, the identified Project Manager, and key personnel have positively and successfully completed similar, relevant projects on time and within budget. <p>Advantageous (.5 pt each)</p> <ul style="list-style-type: none"> References show that the firm along with some identified project team members have experience with similar projects and generally meet deadlines on time and within budget. <p>Not Advantageous (0 pt each)</p> <ul style="list-style-type: none"> References demonstrate that the firm or team members have limited relevant experience and/or do not have a track record of successfully completing projects on time and within budget.
	7	

BFR 25% Structural Design Project

The contract will be awarded to the Consultant offering the most advantageous proposal, taking into consideration responsiveness to Town requirements, other comparative evaluation criteria, and price. The contract will be awarded by the Sudbury Board of Selectmen on recommendation of the evaluation committee appointed by the Town Manager. The Town reserves the right to reject any and all proposals in whole or in part, and to waive irregularities and informalities, at its sole discretion and to the extent permitted by law, if and when it is deemed to be in the best interest of the Town. Proposals will be rated using the following criteria:

Criteria for each proposer:

- Highly Advantageous "HA" =4; Advantageous "A" =3; Not Advantageous "NA" =0 will be given to each of the following firm/Consultant:**
- acobs Engineering Group, Inc.
- William O'Rourke, P.E., Deputy Director of Public Works/Town Engineer

Comments:

The three person design team assigned to this project has a combined 79 years of experience:

- Project Manager, Rebecca Williamson, P.E. - 21 Years
- Lead Structural, Darren Conboy, P.E. - 40 Years
- Lead Geotechnical, Paul Murphy, P.E. - 28 Years

acobs meets all the experience requirements for the Highly Advantageous category. Design Team has been designing rail trails since 1997. Design Team has worked on BFR in neighboring communities.

proposal includes an exceptional project understanding.

engineer has decades of experience working with MADOT and understands their requirements.

acobs has a number of high profile projects in addition to smaller low profile rural projects.

It is not clear if Jacobs completes project on time and within budget. References should be checked. *

6-11-8

D.F. NAKON - BFR

BFRT 25% Structural Design Project

The contract will be awarded to the Consultant offering the most advantageous proposal, taking into consideration responsiveness to Town requirements, other comparative evaluation criteria, and price. The contract will be awarded by the Sudbury Board of Selectmen on recommendation of the evaluation committee appointed by the Town Manager. The Town reserves the right to reject any and all proposals in whole or in part, and to waive irregularities and informalities, at its sole discretion and to the extent permitted by law, if and when it is deemed to be in the best interest of the Town. Proposals will be rated using the following criteria. Ratings of Highly Advantageous "HA" =1; Advantageous "A" =.5; Not Advantageous "NA" =0 will be given to each of the following criteria for each proposer.

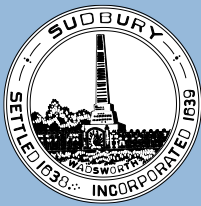
Firm/Consultant:

Reviewer:

Comments:

Y/N	Score	Consultant Qualification and Experience
	0	Highly Advantageous (1 pt each)
	1.0	Firm has experience working on five or more rail trail or bridge projects
	1.0	Demonstrates significant experience through their proposal of working on like projects
		Demonstrates significant experience of completing like projects on time and within budget
		Advantageous (1.5 pt each)
		Firm has experience working on 1-5 rail trail or bridge projects
		Demonstrates some experience through their proposal of working on like projects
		Demonstrates some experience of completing like projects on time and within budget
		Not Advantageous (0 pt each)
		Firm has no experience working on rail trail or bridge projects
	0	Demonstrates no experience through their proposal of working on like projects
	0	Demonstrates no experience of completing like projects on time and within budget
		Evaluation of Consultant Response
		Highly Advantageous (1 pt each)
	1.0	Clearly and comprehensively articulates an understanding of the project
	1.0	Addresses an approach to each defined task in a credible and sensible way
		Demonstrates mastery of the process necessary to manage projects and complete tasks
		Has a clear and credible approach to dealing with unknowns and project contingencies if and when they emerge
	1.0	Provides a comprehensive, well-conceived project plan with logical steps and realistic timeframes
		Advantageous (.5 pt each)
		Articulates a general understanding of the project
	0.5	Is credible in addressing specific requirements
		Demonstrates understanding of the process necessary to manage projects and complete tasks
		Acknowledges the possibility of unknowns and project contingencies and is prepared to address them in a general way
		Provides a project plan with logical steps and realistic timeframes
		If warranted, identifies sensible changes to the Scope of Work, addressing missing or poorly conceived activities
		Not Advantageous (0 pt each)
		Does not demonstrate a clear understanding of the project
		Addresses most but not all specific requirements
		Describes a general project management approach
	0	Results of Reference Checks (if Checked)
		Highly Advantageous (1 pt each)
	1.0	References show that the firm, the identified Project Manager, and key personnel have positively and successfully completed similar, relevant projects on time and within budget.
		Advantageous (.5 pt each)
		References show that the firm along with some identified project team members have experience with similar projects and generally meet deadlines on time and within budget.
		Not Advantageous (0 pt each)
		References demonstrate that the firm or team members have limited relevant experience and/or do not have a track record of successfully completing projects on time and within budget.

6.5



SUDBURY BOARD OF SELECTMEN
Tuesday, June 19, 2018

CONSENT CALENDAR ITEM
12: MWRTA contract extension

REQUESTOR SECTION

Date of request:

Requestor: Debra Galloway, Senior Center Director

Formal Title: Vote to approve the FY19 amendment extending the contract between the MetroWest Regional Transit Authority (RTA) and the Town of Sudbury to provide transportation services for elderly and disabled persons through the Council on Aging effective July 1, 2018, as requested by Debra Galloway, Council on Aging Director, said Agreement to be executed by the Town Manager.

Recommendations/Suggested Motion/Vote: Vote to approve the FY19 amendment extending the contract between the MetroWest Regional Transit Authority (RTA) and the Town of Sudbury to provide transportation services for elderly and disabled persons through the Council on Aging effective July 1, 2018, as requested by Debra Galloway, Council on Aging Director, said Agreement to be executed by the Town Manager.

Background Information:

This contract continues services provided under previous agreements for transportation for the elderly and disabled. (see attached)

Financial impact expected:\$135,000 (not to exceed) payment by Metrowest Regional Transit Authority (RTA) to Town (same as previous amendment).

Approximate agenda time requested:

Representative(s) expected to attend meeting:

Review:

Patty Golden	Pending
Melissa Murphy-Rodrigues	Pending
Jonathan Silverstein	Pending
Robert C. Haarde	Pending
Board of Selectmen	Pending

06/19/2018 7:00 PM



METROWEST REGIONAL TRANSIT AUTHORITY
Public Transportation System

15 Blandin Avenue, Framingham, MA 01702
Ph. (508) 935 2222 ▪ Fax (508) 935 2225 ▪ Toll Free (888)996 9782 ▪ www.mwrta.com

June 1, 2018

Robert C. Haarde, Chair
Sudbury Board of Selectmen
278 Old Sudbury Road
Sudbury, MA 01776

Dear Mr. Haarde,

Please find enclosed, the 2018-2019 Contract Extension for elderly and disabled transportation services between the MWRTA and the Town of Sudbury, provided by the Sudbury Council on Aging.

Please sign all three (3) copies and return for MWRTA signature. One (1) original copy will be returned for your records, once all signatures are obtained.

Please do not hesitate to contact me if there are any questions.

Thank you,

Eva Willens,
Deputy Administrator

RECEIVED
BOARD OF SELECTMEN
SUDBURY, MA
2018 JUN -7 P 12:01

Attachment12.a: MWRTA_memo (2833 : MWRTA contract extension)



METROWEST REGIONAL TRANSIT AUTHORITY
Public Transportation System

15 Blandin Avenue, Framingham, MA 01702
Ph. (508) 935 2222 ▪ Fax (508) 935 2225 ▪ www.mwrta.com

CONTRACT EXTENSION
BY AND BETWEEN
THE TOWN OF SUDBURY
AND
THE METROWEST REGIONAL TRANSIT AUTHORITY

THIS AGREEMENT is made this 1st day of July 2018 by and between the TOWN OF SUDBURY, MA, a municipal corporation hereinafter referred to as the "TOWN" and the METROWEST REGIONAL TRANSIT AUTHORITY ("MWRTA"), a body politic and corporate and political subdivision of the Commonwealth of Massachusetts, hereinafter referred to as the "RTA."

The TOWN and the MWRTA agree to extend the contract for elderly and disabled transportation services, between the parties dated June 12, 2013 and last amended on July 1, 2015, for one additional year, through June 30, 2019. The annual operational subsidy shall remain the same, not to exceed \$135,000.00, unless otherwise renegotiated by and between the TOWN and the MWRTA.

The terms and conditions of said contract are hereby ratified and affirmed.

IN WITNESS WHEREOF the parties hereto have caused this extension to be executed by their duly authorized officers on the day and year first written above.

MetroWest Regional Transit Authority
By:

Town of SUDBURY
By:

Edward J. Carr, Administrator

Dated: _____

Dated: _____

Approved as to form:

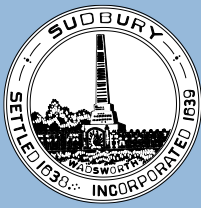
Approved as to form:

General Counsel

Town Counsel

Dated: _____

Dated: _____



SUDBURY BOARD OF SELECTMEN
Tuesday, June 19, 2018

CONSENT CALENDAR ITEM

13: 2018 Sudbury July 4 Road Race & Signs

REQUESTOR SECTION

Date of request:

Requestor: Graham Taylor and Deb Bernstein

Formal Title: Vote to Grant a Special Permit to the Sudbury July 4th Road Race, to hold the “Sudbury July 4th Road Race” on Wednesday July 4, 2018 from 7:00 A.M. through approximately 12:00 P.M., subject to Police Department safety requirements, Proof of Insurance Coverage and the assurance that any litter will be removed at the race’s conclusion. Also, vote to approve the placement of signs announcing the July 4th Road Race at the following locations: 221 Goodman’s Hill Rd, NE corner of Morse and Ridge Hill Rds., SE corner of Peakham and Old Lancaster Rds., NW corner of Hudson and Fairbank Rds., Precourt Stone Co. on Union Ave. (with their permission), Featherland Park, west side of Concord Rd. from June 22nd to July 5th, 2018, as requested by Graham R. Taylor, 221 Goodman’s Hill Road.

Recommendations/Suggested Motion/Vote: Vote to Grant a Special Permit to the Sudbury July 4th Road Race, to hold the “Sudbury July 4th Road Race” on Wednesday July 4, 2018 from 7:00 A.M. through approximately 12:00 P.M., subject to Police Department safety requirements, Proof of Insurance Coverage and the assurance that any litter will be removed at the race’s conclusion. Also, vote to approve the placement of signs announcing the July 4th Road Race at the following locations: 221 Goodman’s Hill Rd, NE corner of Morse and Ridge Hill Rds., SE corner of Peakham and Old Lancaster Rds., NW corner of Hudson and Fairbank Rds., Precourt Stone Co. on Union Ave. (with their permission), Featherland Park, west side of Concord Rd. from June 22nd to July 5th, 2018, as requested by Graham R. Taylor, 221 Goodman’s Hill Road.

Background Information:
see attached

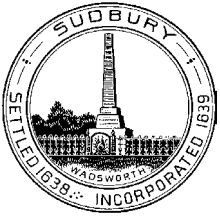
Financial impact expected:n/a

Approximate agenda time requested:

Representative(s) expected to attend meeting:

Review:

Patty Golden	Pending
Melissa Murphy-Rodrigues	Pending
Jonathan Silverstein	Pending



TOWN OF SUDBURY

Office of Selectmen
www.sudbury.ma.us

Flynn Building
278 Old Sudbury Rd
Sudbury, MA 01776-1843
978-639-3381
Fax: 978-443-0756

Email: BOSSadmin@sudbury.ma.us

APPLICATION FOR A CHARITABLE WALK/RELAY PERMIT ON A PUBLIC WAY

Written permission to conduct a fundraising walk or relay race in any public street, public sidewalk or public way within the Town must be obtained from the Board of Selectmen prior to the event. The Chief of Police will determine the appropriate public safety requirements for this event and the cost of such special duty officers, if any required, will be borne by the applicant. The Town of Sudbury requires a Certificate of Insurance of no less than \$1,000,000, naming the Town as an additional insured. All cleanup from the event will be completed by the applicant within 8 hours after the stated ending time or applicant will be billed for the Town's cost to clean up. Application processing can take up to four weeks as approval from the Police, Building and Park & Recreation departments may be required prior to Board of Selectmen approval. Processing begins after all required materials are received, so please plan accordingly.

Organization Name _____

Event Name _____

Organization Address _____

Name of contact person in charge _____

Telephone Number(s) of contact _____ (cell) _____

Email address _____

Date of event _____ Rain Date _____

Starting time _____ Ending time _____

Route of the race/relay and portion of the road requested to be used (please indicate on map and attach to this application) _____

Anticipated number of participants _____

Assembly area (enclose written permission of owner if private property to be used for assembly) _____

Organization that proceeds will go to _____

Any other important information _____

The undersigned applicant agrees that the applicant and event participants will conform to applicable laws, by-laws and regulations as well as any special requirement that may be made as a condition of the granting of permission pursuant to this application. I/we agree to hold the Town of Sudbury harmless from any and all liability and will defend the Town of Sudbury in connection therewith.

Signature of Applicant _____ Date _____



EST 1965

Sudbury July 4th Road Race

Sudbury July 4th Kids R...

Loop starts at Featherland Park on Concord Road. Run to Plympton Road, Clark Road, Newbridge Road and return on Concord

10 views

SHARE EDIT

Directions from Sudbury Parks & Recrea...

- 1 Sudbury Parks & Recreation, Concord Road...
- 2 434-438 Concord Rd, Sudbury, MA 01776, ...
- 3 Intersection Clark Rd and plympton rd Sud...
- 4 Intersection Newbridge Rd and Clark Rd Su...
- 5 intersection Concord Rd and Newbridge Rd...
- 6 497 Concord Rd, Sudbury, MA 01776, USA

Made with Google My Maps

Sudbury July 4th Road ...

3.75 mi race route for Sudbury July 4th Road Race. Race starts at Featherland Park on Concord Rd, turns onto Plympton, Water

44 views

SHARE EDIT

Directions from Sudbury Parks & Recrea...

- 1 Sudbury Parks & Recreation, Concord Road...
- 2 207-211 Plympton Rd, Sudbury, MA 01776, ...
- 3 intersection of plympton rd and Water Row...
- 4 intersection water row and lincoln rd sudbu...
- 5 intersection lincoln rd and concord rd sudb...
- 6 497 Concord Rd, Sudbury, MA 01776, USA

Made with Google My Maps

Attachment13.a: July 4 Road Race_BOS (2834 : 2018 Sudbury July 4 Road Race & Signs)

Sudbury July 4th Road Race July 4, 2018

DPW

From: Nason, Dan
Sent: Friday, June 08, 2018 11:15 AM
To: Sudbury Community Events
Subject: **ACCEPTED**: Sudbury July 4th Road Race
When: Wednesday, July 04, 2018 7:00 AM-12:00 PM (UTC-05:00) Eastern Time (US & Canada).

The DPW has no issues with the event assuming there is no involvement required by our Department.

FIRE DEPARTMENT

From: Whalen, John
Sent: Tuesday, June 12, 2018 9:18 AM
Subject: RE: July 4th Road Race Feedback

The Fire Department has **NO ISSUES** with this event, the organizer is responsible to provide EMS coverage during their event.

John M. Whalen
Fire Chief

PARK & RECREATION

From: Wright, Kayla
Sent: Tuesday, June 12, 2018 10:30 AM
Subject: **ACCEPTED**: Sudbury July 4th Road Race
When: Wednesday, July 04, 2018 7:00 AM-12:00 PM (UTC-05:00) Eastern Time (US & Canada).

POLICE DEPARTMENT

From: Nix, Scott
Sent: Wednesday, June 13, 2018 11:48 AM
Subject: RE: July 4th Road Race

WE ARE GOOD WITH THE RACE as has been coordinated in past years. Thank you!

Respectfully,

Scott Nix
Chief of Police

From: Graham Taylor <taylor1776@gmail.com>
Sent: Friday, June 15, 2018 12:17 AM
To: Frank, Leila
Subject: RE: Road signs: Sudbury July 4th Road Race

Leila -

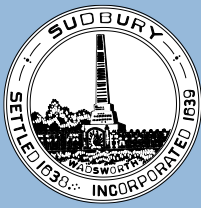
I plan to put up road race info signs in the normal locations:

221 Goodman's Hill Rd,
NE Corner of Morse and Ridge Hill Rds.
SE Corner of Peakham and Old Lancaster Rds.
NW Corner of Hudson and Fairbank Rds.
Precourt Stone Co. on Union Ave., with their permission
Featherland Park, west side of Concord Rd.

Plan to put up June 22nd, and take down July 5th.

I trust Deb will take care of the other items.

Graham



SUDBURY BOARD OF SELECTMEN
Tuesday, June 19, 2018

CONSENT CALENDAR ITEM

14: Approve summer contracts

REQUESTOR SECTION

Date of request:

Requestor: Town Counsel and Town Manager

Formal Title: Vote to approve award of contracts by the Town Manager commencing 6/19/18 through 9/4/18, including, but not limited to, DPW, COA, Park&Rec, Facilities, and Planning contracts, provided a listing is prepared and submitted to the Board of Selectmen for all contracts requiring Board advance approval which are executed by the Town Manager during said period.

Recommendations/Suggested Motion/Vote: Vote to approve award of contracts by the Town Manager commencing 6/19/18 through 9/4/18, including, but not limited to, DPW, COA, Park&Rec, Facilities, and Planning contracts, provided a listing is prepared and submitted to the Board of Selectmen for all contracts requiring Board advance approval which are executed by the Town Manager during said period.

Background Information:

Expeditious contract award by the Town Manager is required which the Board's summer schedule does not permit.

Financial impact expected: budgeted item

Approximate agenda time requested:

Representative(s) expected to attend meeting:

Review:

Patty Golden	Pending
Melissa Murphy-Rodrigues	Pending
Jonathan Silverstein	Pending
Robert C. Haarde	Pending
Board of Selectmen	Pending

06/19/2018 7:00 PM