



Barre Unified Union School District

**Spaulding High School
Central Vermont Career Center
Barre City Elementary and Middle School
Barre Town Middle and Elementary School**

Chris Hennessey, M.Ed.
Superintendent of Schools

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120 Ayers Street, Barre, VT 05641
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Website: www.buusd.org

MEMORANDUM

TO: **Barre Unified Union School District Facilities and Transportation Committee**
Giuliano Cecchinelli II - Chair, Ben Moore - V. Chair, Terry Reil, Andy McMichael, Mary Jane Ainsworth

DATE: April 26, 2023

RE: Barre Unified Union School District Facilities and Transportation Committee Meeting
May 1, 2023 @ 6:00 p.m. (Tour: 5:30 pm)
In-Person: Spaulding High School (SHS) Library, 155 Ayers St., Barre
Remote: Meeting ID: meet.google.com/yva-xiqt-dmj
Phone Number: (US)+1 240-292-8164 PIN: 644 880 341#

Please Note: If you attend the meeting remotely you must state your name for the record to satisfy the Open Meeting Law

AGENDA

5:30 pm - Tour of SHS Classroom with New Lighting

1. Call to Order
2. Additions/Changes to Agenda
3. Public Comment
4. Review/Approval of Meeting Minutes
 - 4.1. Approval of Minutes Regular Meeting March 13, 2023
 - 4.2. Approval of Minutes Regular Meeting April 3, 2023
 - 4.3. Minutes Special Meeting April 19, 2023 (Unofficial, no quorum)
5. New Business
 - 5.1. Dubois & King Storm Water Presentation (SHS)
 - 5.2. Update on Granite Structures at SHS
 - 5.3. Green Schools Initiative (Informational - Charges, Priorities, etc.)
 - 5.4. BCEMS Roof
6. Old Business
 - 6.1. Facilities Update
 - 6.2. Greenprint Update (Funding for Storm Water Mitigation)
 - 6.3. EEI Update Including Finances
 - 6.4. 5 Year Plan Update
 - 6.5. Building Visionary Lists

7. Other Business
8. Items for Future Agenda
9. Next Meeting Date: June 5, 2023 at 6:00 pm, SHS Library and via Google Meet.
10. Adjournment

Parking Lot of Future Items

- A. Athletic Facilities Consultant - Information Gathering [Added: Mr. Reil - April 2023]
- B. LED Lighting at BCEMS and BTMES [Added: Mr. Reil - April 2023]
- C. Transportation Efficiency Opportunities/Improvements [Added: Feb 2023]
- D. Transportation to SHS from Out of District/Sending Schools Discussion [Added: Feb 2023]
- E. Transportation SEA Building [Added: Feb 2023]
- F. Transportation SHS Student [Added: Feb 2023 (Luke)]
- G. Transportation Coordinators - Update on Building Transportation [Added: Feb 2023]
- H. General Transportation Discussion (SHS, SEA, Out of District, etc.) [Added: Feb 2023]
- I. Storm Water Run-Off Mitigation Update (ongoing) [Added: Feb 2023]
- J. Building Visionary Lists - known needs or "to do's" at each building - From Maintenance Leads
Next 6 Month Schedule of anticipated/planned work in each building.(ongoing) [Reil 11/14/22]

BOARD/COMMITTEE MEETING NORMS

- Keep the best interest of the school and children in mind, while balancing the needs of the taxpayers
- Make decisions based on clear information
- Honor the board's decisions
- Keep meetings short and on time
- Stick to the agenda
- Keep remarks short and to the point
- Everyone gets a chance to talk before people take a second turn
- Respect others and their ideas

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**BARRE UNIFIED UNION SCHOOL DISTRICT
FACILITIES AND TRANSPORTATION COMMITTEE MEETING
Spaulding High School Library and Via Video Conference – Google Meet
March 13, 2023 - 6:00 p.m. (Tour of EEI Project at 5:30 p.m.)**

MINUTES

COMMITTEE MEMBERS PRESENT:

Giuliano Cecchinelli, II, Chair – (BC)
Ben Moore, Vice Chair - (BC)
Mary Jane Ainsworth (BT Community Member)
Andrew McMichael (BC Community Member)
Terry Reil, - (BT)

COMMITTEE MEMBERS ABSENT:

ADMINISTRATORS PRESENT:

Chris Hennessey, Superintendent
Jamie Evans, Facilities Director

GUESTS PRESENT:

1. Call to Order

A tour of the EEI Project was conducted prior to the meeting (from 5:30 p.m. until 6:00 p.m.)

The Superintendent, Mr. Hennessey, called the Monday, March 13, 2023 BUUSD Facilities and Transportation Committee meeting to order at 6:00 p.m., which was held in the Spaulding High School Library and via video conference.

2. Organize

Mr. Hennessey requested nominations for the position of Facilities/Transportation Committee Chair
Mr. Cecchinelli nominated himself for the position of Facilities/Transportation Committee Chair.
Mr. Moore seconded the motion.

There were no additional nominations.

On a motion by Mr. Cecchinelli, seconded by Mr. Moore, the Committee unanimously voted to elect Mr. Cecchinelli as Chair of the BUUSD Facilities/Transportation Committee.

Mr. Cecchinelli facilitated the remainder of the meeting.
Mr. Cecchinelli requested nominations for the position of Vice Chair

Mr. McMichael nominated Mr. Moore for the position of Facilities/Transportation Committee Vice Chair.
Ms. Ainsworth seconded the motion.

There were no additional nominations.

On a motion by Mr. McMichael, seconded by Ms. Ainsworth, the Committee unanimously voted to elect Mr. Moore as Vice Chair of the BUUSD Facilities/Transportation Committee.

3. Additions and/or Deletions to the Agenda

Add 6.3 Tractors/Suburbans
Add 6.4 Mileage Reimbursement
Add 6.5 BTMES Asbestos Abatement

The Committee agreed to approve the Agenda as amended.

4. Public Comment

None.

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5. Approval of Minutes

5.1 Approval of Minutes – February 13, 2023 BUUSD Facilities and Transportation Committee Meeting

The Committee agreed to approve the Minutes of the February 13, 2023 BUUSD Facilities and Transportation Committee meeting.

6. New Business

6.1 Building Visionary List (SHS)

Mr. Evans will reach out to each building to work on each school Buildings' Visionary List.

6.2 Review Updated 5-Year Plan

A copy of the 5-Year Plan (dated 03/02/23) was distributed.

Mr. Evans provided an overview of playground updates, each of which will be added to the 5-Year Plan. Additional discussion included; developing a 5-Year Plan with more detailed information and future plans for the SEA Building.

6.3 Tractors/Suburbans

Mr. Evans advised that a new Zero Turn mower was purchased for BCEMS. Additional discussion was held regarding; the typical lifespan of tractors in general, and the Maintenance Agreement for the District's Suburbans.

6.4 Mileage Reimbursement

The Committee discussed SEA transportation and the continued use of personal vehicles to transport students.

6.5 BTMES Asbestos Abatement

Mid State Asbestos has submitted a quote of \$9,000 for asbestos abatement at BTMES. Work will start in June 2023.

7. Old Business

7.1 EEI Update

A tour of the SHS EEI Project was completed prior to this evening's meeting. The current phase will be completed in two weeks. The project is financially on track and the District has had an overall excellent experience working with EEI.

7.2 Storm Water Run-Off Mitigation Update

The Committee is in agreement that the District will not pursue the porous asphalt proposal. Mr. Evans reported that updates will be forthcoming from engineering firms (for all three school properties). Engineers will be extended an invitation to attend the next Committee meeting to discuss and explain the progress status.

8. Other Business

None.

9. Items to be Placed on Future Agendas

- EEI Update with Financials
- 5-Year Plan Details
- Storm Water Mitigation Presentations/Proposals

10. Next Meeting Date

The next meeting is Monday, April 3, 2023 at 6:00 p.m., at the Spaulding High School Library and via video conference.

11. Adjournment

The Committee agreed to adjourn at 7:30 p.m.

Respectfully submitted,
Andrea Poulin

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**BARRE UNIFIED UNION SCHOOL DISTRICT
FACILITIES AND TRANSPORTATION COMMITTEE MEETING**
Spaulding High School Library and Via Video Conference – Google Meet
April 3, 2023 - 6:00 p.m.

MINUTES

COMMITTEE MEMBERS PRESENT:

Giuliano Cecchinelli, II, Chair – (BC)
Ben Moore, Vice Chair - (BC)
Mary Jane Ainsworth (BT Community Member)
Andrew McMichael (BC Community Member)
Terry Reil, - (BT)

COMMITTEE MEMBERS ABSENT:

ADDITIONAL BOARD MEMBERS PRESENT:

Nancy Leclerc
Paul Malone

ADMINISTRATORS PRESENT:

Jamie Evans, Facilities Director

GUESTS PRESENT:

Sarah Helman Andres Torizzo

1. Call to Order

The Chair, Mr. Cecchinelli, called the Monday, April 3, 2023 BUUSD Facilities and Transportation Committee meeting to order at 6:00 p.m., which was held in the Spaulding High School Library and via video conference.

2. Additions and/or Deletions to the Agenda

None.

3. Public Comment

None.

4. Approval of Minutes

4.1 Review/Discuss March 13, 2023 Facilities and Transportation Committee Meeting Minutes

Brief discussion was held with Mr. Reil provided motion information relating to the election of Committee Chair and Vice Chair. No information was available for motions relating to; additions/changes/approval the agenda, 02/13/23 minutes approval, or adjournment.

5. New Business

5.1 Storm Water Run-Off Mitigation Presentaton (Contracted Engineers)

A copy of Conceptual Plans (for SHS) from Dubois & King, Inc, was distributed.

Andres Torizzo, from Watershed Consulting introduced himself to the Committee, and proceeded to provide an overview of plans. It was noted that storm water mitigation is now required by statute for properties that have 3 acres or more of impervious land. Mr. Torizzo provided a brief overview of the Green Schools Requirement. Requirements include submission of a Notice of Intent, and a State issued permit that is valid for 18 month. Phase 2 requires providing the State with finalized plans and applying for permits. The permit provided by the State will require that the project be completed in 5 ½ years. Mr. Torizzo's time is currently grant funded. The State is working to provide funding for these required projects. The implementation funding will be awarded/prioritized based on schools that have permits submitted to the State by this summer. It was noted that the BCEMS permit application has already been submitted to the State. Mr. Torizzo displayed the BTMES plans on screen and provided an overview of the proposed plan for the BTMES property and advised that the current plan includes a 3 rail split fence. It was noted that a 'plant' plan (landscaping) is included in the project plan. In response to a query regarding a '100 year storm' (6 inches of rain over 24 hours), Mr. Torizzo advised that the basin is not intended to accommodate that large of a rain event. In the event of a large rain event, water would flow out of the structure and over the road. Concern was voiced that given the high traffic flow of children, the area should probably be surrounded by a chain-link fence. Mr. Reil queried regarding the ability to expand the 'pond' if requirements become stricter. A preliminary cost estimate for BTMES is \$215,000 (including a \$56,000 contingency). The next step is to submit the permit

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application to the State, and submit the cost estimate to Greenprint (grant manager for the State), advising that the District would like to receive grant funds (which are available on a first come/first serve basis). The plans and permit application for BTMES can probably be completed within 2 or 3 weeks. Funding details are not finalized yet, but Mr. Torizzo believes the District might be responsible for 10%. Mr. Torizzo will advise Mr. Evans when the details are finalized. Ms. Ainsworth queried regarding whether or not Board approval was necessary to move forward with the permit application process. Mr. Torizzo advised that a signature is necessary for the Notice of Intent, and that he worked with Mr. Evans to obtain the necessary signature for the BCEMS permit application. There will also be an application fee that will need to be paid. In response to a query regarding finalization of financing rules, Mr. Torizzo advised he believes finalization of details on financing is at least a couple of months out. The Committee is in agreement that, given the number of schools that will be looking for financing, it is important to submit applications sooner rather than later. Mr. Torizzo cautioned that there would need to be a discussion regarding how much paving would be covered as part of the project (for BCEMS and BTMES if paving is not solely related to the project). Brief discussion was held regarding logistics for paving and paving in conjunction with this project. Mr. Evans believes that as long as the Committee is aware of the project, he does not believe it needs Board approval.

On a motion by Mr. Reil, seconded by Ms. Ainsworth, the Committee unanimously voted to approve having Watershed Consulting move forward with the permitting process.

Mr. Torizzo advised that the permit application for BCEMS has already been submitted to the State and is under review. It's possible that the final permit will be received within a month or two. The preliminary cost estimate for BCEMS is \$471,000. Mr. Torizzo provided an overview of the plan (which includes underground storage vaults) for BCEMS, including the challenges encountered while creating plans. It was noted that this plan should be done in conjunction with paving needs (to be most cost effective). The original planning included a system to accommodate both the school and the recreation area (City pool etc), but the City advised they do not want to participate in a joint project.

It was noted that the SHS plans are still being worked on. Mr. Evans provided an overview of planning being performed by Dubois & King, Inc. (included in the packet). The plans distributed this evening are still fairly preliminary. Brief discussion was held, including discussion of traffic patterns and the timeline of the design process. It was reiterated that the District should get all of the projects submitted as soon as possible. Mr. Evans did request that Dubois & King put this project on the 'fast track' so that a permit application can be submitted. Mr. Evans will reach out to Dubois & King regarding giving a presentation (including a budget number) at the May meeting.

6. Old Business

6.1 EEI Update with Monthly Financials

Mr. Evans reported that teachers have moved back in to their classrooms and having been giving rave reviews on the new lighting. Mr. Evans has been advising teachers that when the project is further along, their classrooms will have air conditioning. Mr. Evans is impressed with assistance provided by teachers and other staff (moving furniture). In response to a query, Mr. Evans advised that some uni-ventilators will be kept as spares and the District will try to sell the bulk of them. Mr. Evans advised that the Business Manager will need to share financial information, but the Business Office is currently working on the transition to the new financial system. Mr. Evans provided a brief overview of the monthly applications for payment and noted that they are being carefully reviewed. The project is on track financially. Mr. Evans noted that some minor additional work has been involved replacing sheetrock (high impact sheetrock). It was confirmed that sprinkler work has been delayed until the summer, which will require re-opening areas, but the expense will be on the contractor not the District. Mr. Reil queried regarding deferring some of the ESSER funding and utilizing some of the food service surplus instead (utilizing ESSER funds for other items). Mr. Evans will check with Mrs. Perreault on this matter. Mr. Evans advised that the walk-in freezer is being replaced using food service surplus funds.

6.2 5-Year Plan Progress Report

Mr. Evans advised that not much has changed at this point. Mr. Evans has been having difficulty accessing the document, but will update it soon. Mr. Malone queried regarding providing more detail (expenses) in the Plan. Mr. Evans advised that he and the Business Manager will work together to add more detail to the Plan. Mr. Reil believes a more detailed Plan would be very useful for scheduling, planning, and budgeting, and would also like to see capital assets added to the Plan.

6.3 Visionary List

Mr. Evans advised that he has requested that each building begin working on their 'wants/needs' list and he has asked the Superintendent to add him to the building administrator meeting agendas for the purpose of providing an overview of what is being requested. Mr. Reil believes that maintenance/custodial personnel can also provide some valuable input for the Visionary Lists. Mr. Evans will have lists from maintenance/custodial personnel for next month's meeting. It was noted that Mr. Aither advised that he has started an extensive list for SHS.

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7. Other Business

Mr. Malone queried regarding possible large ticket items related to State regulations (PCBs, lead, etc.). Mr. Evans provided a brief update on testing to-date and variations on limits the State is imposing (standards continue to be changed by the State). There is currently a pause on testing for PCBs in schools. Mr. Evans advised regarding prior asbestos and lead testing and remediation.

Mr. Evans advised that Efficiency Vermont has a pilot program (TLED) that will pay 100% of the cost to replace fluorescent bulbs with LED bulbs. The District will be responsible for the manpower to change bulbs/lamps and for the recycling of fluorescent bulbs. Recycling costs should be minimal. BCEMS will receive \$61,012 in free universal lamps and BTMES will receive \$48,216 worth of free universal lamps. The fixtures will remain the same and the District will benefit from reduced electricity costs.

Bid review for roofing projects will occur on Thursday (04/06/23). Mr. Evans advised that vendors were asked to break out the bids based on roof sections and the District will replace as much roofing as possible within the budget.

Mr. Evans advised that Mr. Rousse, on behalf of the SHS Foundation, has applied for some of the City's ARPA funds. Mr. Evans is not sure if the amount being requested, if awarded, would be enough to fund a full study of the SHS Athletic Fields.

8. Items to be Placed on Future Agendas

- EEI Update Including Finances
- 5-Year Plan Update
- Building Visionary Lists
- Dubois & King Storm Water Presentation (SHS)
- Greenprint Update (Funding for Storm Water Mitigation)
- Update on Granite Structures at SHS
- Green Schools Initiative (Informational – Charges, Priorities, etc)
- Tour of an SHS Classroom with New Lighting (start tour at 5:30 p.m.)

Add to Parking Lot:

- Athletic Facilities Consultant – Information Gathering (Mr. Reil – April 2023)
- LED Lighting at BCEMS and BTMES – (Mr. Reil – April 2023)

9. Next Meeting Date

The next meeting is Monday, May 1, 2023 at 6:00 p.m., at the Spaulding High School Library and via video conference.

10. Adjournment

On a motion by Ms. Ainsworth, seconded by Reil, the Committee unanimously voted to adjourn at 7:48 p.m.

Respectfully submitted,
Andrea Poulin

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**BARRE UNIFIED UNION SCHOOL DISTRICT
FACILITIES AND TRANSPORTATION COMMITTEE MEETING**
Spaulding High School Library and Via Video Conference – Google Meet
April 19, 2023 - 6:00 p.m.

MINUTES

COMMITTEE MEMBERS PRESENT:

Giuliano Cecchinelli, II, Chair – (BC)
Ben Moore, Vice Chair - (BC) - present for a portion of the meeting.
Terry Reil, - (BT)

COMMITTEE MEMBERS ABSENT:

Mary Jane Ainsworth (BT Community Member)
Andrew McMichael (BC Community Member)

OTHER BOARD MEMBERS PRESENT:

Nancy Leclerc
Paul Malone

ADMINISTRATORS PRESENT:

Chris Hennessey, Superintendent
Jamie Evans, Facilities Director

GUESTS PRESENT:

1. Call to Order

Mr. Cecchinelli noted that there was not a quorum present and that those in attendance would hold an informational meeting. The meeting, held in the Spaulding High School Library and via video conference, commenced at 5:00 p.m.

2. Public Comment

None.

3. New Business

3.1 BCEMS Roofing Project

A document titled 'BCEMS Roof Project 2023' was distributed.

Mr. Evans advised that the roofing project was put out to bid. The process included a walk through with the architect and three contractors. The lowest bidder is DAYCO, Inc., a contractor the District has worked successfully with in the past. Mr. Evans provided an overview of the aerial map, advising that the white areas have been completed already. Mr. Evans advised regarding the projected work, and advised that in an effort to be proactive, he requested that contractors include separate bids for the barrel/arched section of roof. Mr. Evans provided an overview of the bid and advised regarding three options. Mr. Evans recommends Option 1, which includes the flat roof, skylight replacement, and shingled roofs (\$388,500). Voters approved moving \$350,000 in surplus funds, to the Capital Improvement Fund for this project. The funding source for the overage needs to be discussed. Additional roofing sections were being presented for consideration by the Committee. Mr. Evans recommends doing as much work as possible now, as prices will only continue to climb. Lengthy discussion was held, including concern that the additional roofing sections are not included on the 5-Year Capital Improvement Plan and that some Board Members would like to be kept more informed. Board approval is necessary to approve contracting with DAYCO, Inc., and to finalize which portions of the roof will be repaired/replaced, and how the amount over \$350,000 will be financed. As a quorum was not present for the majority of the meeting, and no vote can be held, it was agreed that this agenda item will be tabled until the 05/01/23 Facilities/Transportation Committee meeting. It was noted that the Board meets on 05/10/23, which will provide enough lead time to respond to the contractor so that they may secure the necessary materials. A response to the contractor should not be postponed much longer than that.

4. Next Meeting Date

The next meeting is Monday, May 1, 2023 at 6:00 p.m., at the Spaulding High School Library and via video conference.

5. Adjournment

The informational meeting ended at 5:54 p.m.

Respectfully submitted,
Andrea Poulin

BCEMS ROOF PROJECT 2023

DAYCO INC.

• Flat Roof	\$270,000
Skylight Replacement	\$2,500
• Shingled Roofs	\$116,000
Skylight Replacement	\$77,000
• Arched Roof	\$213,000
Skylight Replacement	<u>\$4,200</u>

Total= \$682,700

Options:

- | | |
|---|-------------|
| 1. Flat roof w/skylight and shingled roof | = \$388,500 |
| 2. Flat roof w/skylight, shingled roof w/skylight | = \$465,500 |
| 3. Complete list of bulleted roof work | = \$682,700 |

Voter approved special article for roof project is \$350,000. Do we utilize surplus funds to fund additional roof work?



Google Earth

Imagery date: 10/3/22-newer

50 m

Camera: 541 m 44°11'04"N 72°30'12"W 228 m



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4/12/2023

Jamie Evans
Barre Unified Union School District
120 Ayers St
Barre VT 05641

Re: Barre City Elementary & Middle School - RDC Lighting, Efficiency Vermont Project # 6012-KN72

Dear Jamie:

Congratulations on your decision to improve your business's energy efficiency. We estimate the upgrades at your facility will save you approximately \$23,246 per year at current energy rates. You'll save an estimated 155,980 kWh of electricity, and 119,814 pounds of carbon emissions per year.

You will receive your Efficiency Vermont incentive payment of \$61,012 upon completion of your project. The details of the project and incentive are outlined in the attached "Scope of Efficiency Improvements."

Project Economics


Estimated Cost of Efficiency Improvements	\$61,012
Efficiency Vermont Total Incentive	\$61,012
Estimated First-Year Energy Savings	\$23,246
Estimated Average Lifetime of Efficiency Improvements	21 years

If you are interested in financing your efficiency improvements, financing may be available through Vermont lenders. Please visit Efficiency Vermont's [website](#) to learn more about these opportunities.

Next Steps: Please review and sign the enclosed Incentive Agreement, Scope of Efficiency Improvements and Terms and Conditions of the Efficiency Vermont Incentive Agreement. You will need to communicate the efficiency criteria and specifications to your contractors and design professionals to ensure the Scope of the Efficiency Improvements is met. This Incentive Agreement must be signed by you and returned to Efficiency Vermont within thirty (30) days from Efficiency Vermont's signature below and will only become effective when signed by both parties.

I look forward to working with you and your business. If you have any questions about the Incentive Agreement, or want to discuss any aspect of this project, please contact me at 888-921-5990 ext.7673.

Sincerely,


Angela Davis
Energy Associate



www.efficiencyvermont.com
888-921-5990 | 802-860-4095

4/14/2023

Jamie Evans
Barre Unified Union School District
120 Ayers St
Barre VT 05641

Re: Barre Town Middle & Elementary School - RDC Lighting, Efficiency Vermont Project # 6012-KN78

Dear Jamie:

Congratulations on your decision to improve your business's energy efficiency. We estimate the upgrades at your facility will save you approximately \$23,894 per year at current energy rates. You'll save an estimated 121,523 kWh of electricity and 93,391 pounds of carbon emissions per year.

You will receive your Efficiency Vermont incentive payment of \$48,216 upon completion of your project. The details of the project and incentive are outlined in the attached "Scope of Efficiency Improvements."

Project Economics

Estimated Cost of Efficiency Improvements	\$48,216
Efficiency Vermont Total Incentive	\$48,216
Estimated First-Year Energy Savings	\$23,894
Estimated Average Lifetime of Efficiency Improvements	19 years

If you are interested in financing your efficiency improvements, financing may be available through Vermont lenders. Please visit Efficiency Vermont's [website](#) to learn more about these opportunities.

Next Steps: Please review and sign the enclosed Incentive Agreement, Scope of Efficiency Improvements and Terms and Conditions of the Efficiency Vermont Incentive Agreement. You will need to communicate the efficiency criteria and specifications to your contractors and design professionals to ensure the Scope of the Efficiency Improvements is met. This Incentive Agreement must be signed by you and returned to Efficiency Vermont within thirty (30) days from Efficiency Vermont's signature below and will only become effective when signed by both parties.

I look forward to working with you and your business. If you have any questions about the Incentive Agreement, or want to discuss any aspect of this project, please contact me at 888-921-5990 ext.7673.

Sincerely,

Angela Davis
Engineering Consultant

Barre Town Elementary & Middle School

4/3/2023

Barre City, VT

Opinion of Probable Costs (PRELIMINARY DRAFT)



VTrans Code	Description	Unit	Quantity	Unit Price	Amount
Site Preparation					
N/A	MOBILIZATION/DEMobilIZATION	LS	1	\$ 5,000.00	\$ 5,000.00
201.15	REMOVING MEDIUM TREES	EACH	10	\$ 1,335.18	\$ 13,351.80
653.55	PROJECT DEMARCATION FENCE	LF	1300	\$ 1.17	\$ 1,521.00
649.515	GEOTEXTILE FOR SILT FENCE	SY	350	\$ 10.59	\$ 3,706.50
653.35	VEHICLE TRACKING PAD	CY	25	\$ 50.48	\$ 1,262.00
652.10	EPSC PLAN	LS	1	\$ 3,661.94	\$ 3,661.94
652.20	MONITORING EPSC PLAN	HR	6	\$ 66.79	\$ 400.74
N/A	CONSTRUCTION STAKING	HR	8	\$ 125.00	\$ 1,000.00
Subtotal:					\$ 29,903.98
Bioretention - Excavation and Materials					
EXCAVATION					
203.15	COMMON EXCAVATION	CY	700	\$ 12.35	\$ 8,645.00
N/A	DISPOSAL OF EXCAVATED MATERIAL	CY	540	\$ 35.00	\$ 18,900.00
MATERIALS					
BIORETENTION MEDIA					
651.35	TOPSOIL (BIORETENTION MEDIA)	CY	50	\$ 35.40	\$ 1,770.00
PIPING (IF UNDERDRAINED)					
605.11	8 INCH UNDERDRAIN PIPE	LF	90	\$ 28.25	\$ 2,542.50
605.21	8 INCH UNDERDRAIN CARRIER PIPE	LF	85	\$ 24.18	\$ 2,055.30
649.41	GEOTEXTILE FOR UNDERDRAIN TRENCH LINING	SY	170	\$ 4.04	\$ 686.80
629.54	CRUSHED STONE BEDDING	TON	30	\$ 34.04	\$ 1,021.20
STRUCTURES AND APPURTENANCES					
604.18	PRECAST REINFORCED CONCRETE DROP INLET WITH CAST IRON GRATE	EACH	2	\$ 4,769.49	\$ 9,538.98
OVERFLOWS AND INLET PROTECTION					
613.10	STONE FILL, TYPE I	CY	6	\$ 52.30	\$ 313.80
613.11	STONE FILL, TYPE II	CY	37	\$ 46.07	\$ 1,704.59
649.41	GEOTEXTILE FOR UNDERDRAIN TRENCH LINING (UNDER STONE)	SY	160	\$ 4.04	\$ 646.40
PLANTING					
N/A	WILDFLOWER PLANT SEEDS	LBS	10	\$ 125.00	\$ 1,250.00
656.41	PERENNIALS	EACH	200	\$ 26.88	\$ 5,376.00
651.15	SEED	LB	10	\$ 8.73	\$ 87.30
653.12	STRAW MULCH	TON	1	\$ 1,200.00	\$ 1,200.00
656.20	EVERGREEN TREES	EACH	6	\$ 196.94	\$ 1,181.64
656.30	DECIDUOUS TREES	EACH	6	\$ 592.29	\$ 3,553.74
656.35	DECIDUOUS SHRUBS	EACH	10	\$ 60.92	\$ 609.20
SIDE SLOPE EROSION CONTROL					
653.20	TEMPORARY EROSION MATTING	SY	350	\$ 2.20	\$ 770.00
FENCING					

620.12	CHAIN-LINK FENCE, 6 FEET	LF	360	\$33.65	\$	12,114.00
620.16	GATE FOR CHAIN-LINK FENCE, 6 FEET	LF	15	\$118.25	\$	1,773.75
					Subtotal:	\$ 75,740.20
New Infrastructure For Conveyance of Runoff to Practice						
EXCAVATION						
204.20	TRENCH EXCAVATION OF EARTH	CY	180	\$ 19.02	\$	3,423.60
203.28	EXCAVATION OF SURFACES AND PAVEMENTS	CY	5	\$ 27.74	\$	138.70
STRUCTURES AND PIPES						
604.18	PRECAST REINFORCED CONCRETE DROP INLET WITH CAST IRON GRATE	EACH	3	\$ 4,769.49	\$	14,308.47
601.0910	15" CPEP	LF	55	\$ 58.08	\$	3,194.40
601.0915	18" CPEP	LF	100	\$ 64.04	\$	6,404.00
601.0920	24" CPEP	LF	55	\$ 61.37	\$	3,375.35
204.30	GRANULAR BACKFILL FOR STRUCTURES	CY	25	\$ 45.00	\$	1,125.00
PAVEMENT REPLACEMENT						
406.25	BITUMINOUS CONCRETE PAVEMENT	TON	15	\$ 180.67	\$	2,710.05
GRASS REPLACEMENT						
653.20	TEMPORARY EROSION MATTING	SY	2100	\$ 2.20	\$	4,620.00
653.10	HAY MULCH	TON	1	\$ 857.35	\$	857.35
651.15	SEED	LB	25	\$ 8.73	\$	218.25
					Subtotal:	\$ 34,679.57
Subtotal:						\$ 140,323.75
Construction Engineering - 13%						\$ 18,242.09
Construction Contingency - 40%						\$ 56,129.50
Total (Rounded to nearest \$1,000)						\$ 215,000.00

Barre City Elementary & Middle School
 4/3/2023
 Barre City, VT
 Opinion of Probable Costs (PRELIMINARY DRAFT)



Vtrans Code	Item	Description	Amount	Unit	Amount	Unit	Total
General Construction							
Site Preparation							
203.15	COMMON EXCAVATION	Common excavation for chambers	1625.00	CY	\$ 12.35	\$/CY	\$ 20,069
203.28	EXCAVATION OF SURFACES AND PAVEMENTS	Pavement excavation	59.32	CY	\$ 27.74	\$/CY	\$ 1,646
203.20	TRENCH EXCAVATION	Common excavation for pipes	537.78	CY	\$ 12.35	\$/CY	\$ 6,642
Subtotal:							\$ 28,356
Stormtech Chamber System							
N/A	SC740	Estimate provided by Stormtech	99	EA	\$ 460.00	\$/EA	\$ 45,540
N/A	SC740 PLAIN END CAP	Estimate provided by Stormtech	18	EA	\$ 103.50	\$/EA	\$ 1,863
N/A	SC740 24B END CAP	Estimate provided by Stormtech	3	EA	\$ 523.25	\$/EA	\$ 1,570
N/A	12" SINGLE MANIFOLD TEE	Estimate provided by Stormtech	2	EA	\$ 212.75	\$/EA	\$ 426
N/A	12" DOUBLE MANIFOLD TEE	Estimate provided by Stormtech	3	EA	\$ 418.60	\$/EA	\$ 1,256
N/A	12" TRIPLE MANIFOLD TEE	Estimate provided by Stormtech	1	EA	\$ 615.25	\$/EA	\$ 615
N/A	12" 90 BEND	Estimate provided by Stormtech	2	EA	\$ 143.75	\$/EA	\$ 288
N/A	12" COUPLER	Estimate provided by Stormtech	27	EA	\$ 16.10	\$/EA	\$ 435
N/A	12" AASHTO N12 FOR MANIFOLD	Estimate provided by Stormtech	80	SY	\$ 14.43	\$/SY	\$ 1,154
N/A	24" AASHTO N12 FOR ISOLATOR ROW	Estimate provided by Stormtech	20	SY	\$ 41.96	\$/SY	\$ 839
N/A	8X4 INSPECTION PORT KIT	Estimate provided by Stormtech	1	EA	\$ 276.00	\$/EA	\$ 276
N/A	601TG TO WRAP SYSTEM (SY)	Estimate provided by Stormtech	3000	EA	\$ 1.05	\$/EA	\$ 3,150
604.20	CATCH BASIN	Precast concrete catch basin	5	EA	\$ 4,013.12	\$/EA	\$ 20,066
604.21	PRECAST REINFORCED CONCRETE MANHOLE WITH CAST IRON COVER	Precast concrete manhole	4	EA	\$ 8,350.68	\$/EA	\$ 33,403
649.31	GEOTEXTILE UNDER STONE FILL	Impermeable liner	443	SY	\$ 3.29	\$/SY	\$ 1,457
301.26	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	Filter sand	222	CY	\$ 38.36	\$/CY	\$ 8,497
301.25	SUBBASE OF CRUSHED GRAVEL, COARSE GRADED	Stone base and cover	222	CY	\$ 40.21	\$/CY	\$ 8,907
605.10	UNDERDRAIN PIPE, 6 INCHES	6" HDPE	800	LF	\$ 22.55	\$/LF	\$ 18,040
601.2610	15" CPEP(SL)	15" HDPE	605	LF	\$ 73.37	\$/LF	\$ 44,389
Subtotal:							\$ 192,169
Site Completion, Seeding & Repaving							
301.26	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	Resurfacing subbase	148	CY	\$ 38.36	\$/CY	\$ 5,664
404.65	EMULSIFIED ASPHALT	Resurfacing	3242	CWT	\$ 22.00	\$/CWT	\$ 71,324
Subtotal:							\$ 76,988
Subtotal Construction Cost:							\$ 297,513
Mobilization/Demobilization (5%)							\$14,876
Construction Engineering (13%)							\$38,677
Contingency (40%)							\$119,005
Total (rounded to the next highest \$1,000) =							\$471,000

Note: minimum values of \$5,000 for mobilization / demobilization and \$10,000 for construction engineering were used. If percentages (listed above) exceeded these minimum values, the calculated values were used.

FACILITIES UPDATE

MAY 3, 2023

- PCB testing in Vermont schools has been put on “pause” for the time being. Approximately 40 out of 300+ schools have been tested with elevated results by Vermont standards.
- BCEMS and BTMES have been awarded financial support by Efficiency Vermont in their pilot program TLED. The TLED pilot program is being funded by Efficiency Vermont to remove fluorescent lamps in our schools and replace them with new LED lamps. The amount of the award equates to \$61,012 for BCEMS and \$48,216 for BTMES. See attached letters providing additional information.
- BCEMS roof project bids have been received. Dayco Inc. was the lowest bidder. We have used the services of Dayco Inc. for roofing projects several times throughout the years with very satisfied results. See attached information for breakdown of cost. Additional bid information is provided for informational purposes.
- Stormwater mitigation design for BCEMS and BTMES is nearing completion. The Facilities Committee was presented information by Watershed Consulting regarding the type of design being proposed and

“Opinion of Probable Costs” for our information. The costs estimates are attached.