



Project: Dover Community Center Project	Monthly Report No.: <u>04</u>
Job No: n/a	Month of: October 2021
Architect: Fennick McCredie Architecture 70 Franklin Street Boston, MA 02110	Owner: Town of Dover, Massachusetts 5 Springdale Avenue Dover, MA 02030

Associate Director: Phil Palumbo	Email Address: phil.palumbo@colliers.com
Project Manager: John Bates	Email Address: john.bates@colliers.com
Construction Representative: n/a	Email Address: n/a

Design Development Progress During Month of October:

October 4 th	Building Committee Meeting Reviewing: <ul style="list-style-type: none"> • Approval of Building Envelope Commissioning RFP • Value Engineering Summary • Approval to Proceed to Construction Documents
October 5 th	Commenced Construction Documents
October 6 th	MEP Commissioning Agent Proposals Due
October 7 th	Issued Building Envelope Commissioning RFP to the Central Register
October 13 th	Building Envelope Commissioning RFP available to Commissioning Agents
October 15 th	<u>Finishes Sub-Committee Meeting #1</u>
October 20 th	Move Services Meeting with Town Facilities Management
October 21 st	<u>Finishes Sub-Committee Meeting #2</u>
October 25 th	Building Committee Meeting Reviewing: <ul style="list-style-type: none"> • Contractor Prequalification Committee Selection • Approval of MEP Commissioning Agent • Report on Finishes Subcommittee Activity
October 26 th thru November 1 st	Contracted with Selected MEP Commissioning Agent
October 27 th	Building Envelope Commissioning Agent Proposals Due
October 28 th	Design Review with Dover Parks and Recreation and COA

30 Day Look Ahead Summary:

November 4 th	Community Center – Student Outreach Meeting
November 4 th	<u>Finishes Sub-Committee Meeting #3</u>
November 8th	Building Committee Meeting Reviewing: <ul style="list-style-type: none"> • Building Envelope Commissioning Agent Proposals • Report on Finishes Subcommittee Activity • Design Update Leading up to 80% Construction Documents



Project Leaders

November 9 th	Reissue Building Envelope Commissioning RFP to Commissioning Agents
November 16 th	Building Envelope Commissioning Agents Proposals Due
November 16 th	<u>Contractor Prequal Sub-Committee Meeting (Review Draft RFQ)</u>
November 22 nd	Building Committee Meeting Reviewing: <ul style="list-style-type: none"> • Building Envelope Commissioning Agent Proposals • Site Design Elements for Planning Board • Landscaping Elements – Plantings and Furniture • Review of Proposed Bid Alternates
November 29 th thru December 3 rd	<u>Contractor Prequal Sub-Committee Meeting (Approve Contractor RFQ)</u>
December 2 nd	Advertise Contractor RFQ in the Central Register, Local Newspaper and COMMBUYS
December 8 th	Contractor RFQ Available to Contractors
December 10 th	Send 80% Construction Documents Set to Estimators

Upcoming Building Committee Approvals:

February 28th	Building Committee Votes to Approve: <ul style="list-style-type: none"> • Proceed to Bidding Phase
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Problems Encountered:

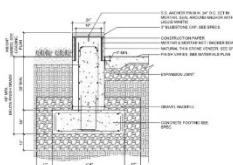
	1st noted (period ending)	Status
1) No issues encountered during October.	October 2021	Closed

Comments:

	1st noted (period ending)	Status
1) No comments at this time.	October 2021	Closed

DESIGN PROGRESS IMAGES

Budget Value Engineering
Focusing Design



Reconciled Budget Gap

\$190K

Potential VE Items:

Total = \$287K

- 50% Less Stone Wall \$100K **Bid Alt. ?**
- Slate Roof in lieu of Zinc \$40K
- Local Sound as FF&E \$33K
- Reduced Glazing \$25K
- Indoor Court Surface \$20K
- Pedestrian Walking Path \$15K
- Sunshade Reductions \$15K
- Redi-Rock Wall /Curbs @ Parking \$14K
- Lighting Reduction (10%) \$14K
- Less Underpinning (10%) \$10K
- Delete (1) Skylight in 1910 Building \$8K



Distinct But Compatible

- New brick is compatible with 1910 building
- Canopy projects to define entry
- Texture makes wall special (east)
- Pavilion shape marks it as special room





Colliers Project Leaders
160 Federal Street, 11th Floor
Boston, MA 02110

Project Leaders

MONTHLY PROGRESS REPORT

Dover Community Center Project

Page 3 of 3

Design Development – Value Engineering: Potential VE Items

- October 4th, 2021



Construction Documents – Pavilion Exterior: Textured Brick (south)

- October 25th, 2021

Construction Documents – Pavilion Exterior: Textured Brick (north)

- October 25th, 2021



Construction Documents – Community Room Interior

- October 25th, 2021

MILESTONE SCHEDULE



Town of Dover
Community Center Project
11/8/2021 - Project Schedule

- Owner Meeting
- ◆ Major Milestone

II. Schematic Design Phase		February 9, 2021 thru June 12, 2021			
1 Schematic Design of Preferred Solutions	○	81 Days	11-Feb-21	thru	3-May-21
2 Building Committee Meeting to Review SD Progress	○		8-Mar-21		
3 Building Committee Meeting to Review SD Progress	○		18-Mar-21		
4 Building Committee Meeting to Review SD Progress	○		22-Mar-21		
5 Building Committee Meeting to Review SD Progress	○		28-Mar-21		
6 Building Committee Meeting to Review SD Progress	○		5-Apr-21		
7 Building Committee Meeting to Review SD Progress	○		12-Apr-21		
8 SD Sets to Estimators	○		9-Apr-21		
9 SD Design Review	○	14 Days	9-Apr-21	thru	23-Apr-21
10 SD Estimate	○	14 Days	9-Apr-21	thru	23-Apr-21
11 SD Estimate Reconciliation	○		28-Apr-21		
12 SD Value Management	○	3 Days	28-Apr-21	thru	30-Apr-21
13 Building Committee Meeting to Review and Approve SD Packages	○		3-May-21		
14 Public Presentation(s)	○		Week of 5/10/2021		
15 Any required Town Board / Committee votes for STM language, etc.	○		Week of 5/17/2021		
16 Final Public Presentation	○		2-Jun-21		
17 Building Committee Meeting to Review Public Comments	○		7-Jun-21		
18 Town Meeting	◆		12-Jun-21		
III. Design Development Phase		July 01, 2021 thru October 4, 2021			
1 Commence DD Documents	○		1-Jul-21		
2 Building Committee Meeting	○		12-Jul-21		
3 Building Committee Meeting	○		19-Jul-21		
4 Building Committee Meeting	○		9-Aug-21		
5 Building Committee Meeting	○		30-Aug-21		
6 Send DD Set to Estimators	○		6-Sep-21		
7 Building Committee Meeting - MEP COMMISSIONING RFP APPROVAL	○		13-Sep-21		
8 Issue MEP Commissioning RFP to Central Register	◆		by 9/16/2021		
9 MEP Commissioning RFP Available to Commissioning Agents	○		22-Sep-21		
10 DD Estimates Due From Estimators	○		24-Sep-21		
11 100% DD Set Submission	○		27-Sep-21		
12 DD Design Review	○	14 Days	27-Sep-21	thru	11-Oct-21
13 Building Committee Meeting	○		27-Sep-21		
14 DD Estimate Reconciliation Meeting	○		29-Sep-21		
15 DD Value Management	○	3 Days	29-Sep-21	thru	1-Oct-21
16 Building Committee Meeting - Approval of BE Commissioning RFP and APPROVAL TO PROCEED TO CD	○		4-Oct-21		
17 Complete DD Reviews; NTP to CD Phase	◆		4-Oct-21		
IV. Construction Document Phase		October 5, 2021 thru February 28, 2022			
1 Commence CD Documents	○		5-Oct-21		
2 MEP Commissioning Agent Proposals Due	○		7-Oct-21		
3 Issue BE Commissioning RFP to Central Register	○		13-Oct-21		
4 BE Commissioning RFP Available to Commissioning Agents	○		25-Oct-21		
5 Building Committee Meeting - SELECTION OF CONTRACTOR PREQUAL COMMITTEE & MEP Cx AGENT APPROVAL	○		26-Oct-21	thru	2-Nov-21
6 Contract with Selected MEP Commissioning Agent	○		27-Oct-21		
7 BE Commissioning Agent Proposals Due	○		8-Nov-21		
8 Building Committee Meeting - REVIEW BE Cx AGENT PROPOSAL, FINISHES SUBCOMMITTEE ACTIVITY, DESIGN UPDATE	○		9-Nov-21		
9 Reissue Building Envelope Commissioning RFP to Commissioning Agents	○		16-Nov-21		
10 Contractor Prequal Committee Meeting to Review Draft RFQ	○		16-Nov-21		
11 Building Envelope Commissioning Agents Proposals Due	○		22-Nov-21		
12 Building Committee Meeting - REVIEW BE Cx AGENT PROPOSAL, SITE DESIGN, LANDSCAPING, BID ALTERNATES	○		23-Nov-21	thru	29-Nov-21
13 Contract with Selected BE Commissioning Agent	○		29-Nov-21	thru	3-Dec-21
14 Contractor Prequal Committee Meeting to Approve Contractor RFQ	○		2-Dec-21		
15 Advertise Contractor RFQ in Central Register, Local Newspaper and COMMBUYS	○		8-Dec-21		
16 Contractor Prequal Available to Contractors	○		10-Dec-21		
17 Send 80% CD Set to Estimators	○	21 Days	10-Dec-21	thru	31-Dec-21
18 CD Design/Cost Estimate Review	○		10-Dec-21		
19 Planning Board Submission - Site Plan Review	○		13-Dec-21		
20 Building Committee Meeting	○		15-Dec-21		
21 Contractor Prequal Info Meeting and Site Walkthrough	○		31-Dec-21		
22 CD Estimates Due From Estimators	○		5-Jan-22		
23 Contractor SOQ's Due	○		5-Jan-22	thru	12-Jan-22
24 Contractor Prequal Committee Meeting to Distribute SOQ's	○		5-Jan-22		
25 CD Estimate Reconciliation Meeting	○	9 days	5-Jan-22	thru	14-Jan-22
26 CD VE Effort Completed (If Necessary)	○		10-Jan-22		
27 Planning Board - Site Plan Review	○		17-Jan-22		
28 Building Committee Meeting	○		20-Jan-22		
29 Selectman - Site Plan Review	○		24-Jan-22		
30 Planning Board - Site Plan Review - 2nd Meeting	○		24-Jan-22	thru	28-Jan-22
31 Contractor Prequal Committee Meeting (If Necessary)	○		7-Feb-22		
32 Contractor Prequal Committee Meeting - Complete Contractor Quals Review	○		17-Feb-22		
33 Selectman - Site Plan Review Approval	○		21-Feb-22		
34 Deadline for Contractor Notification Reg Prequal	○		22-Feb-22		
35 Complete 100% Construction Documents - Issued for Final Review	○		28-Feb-22		
36 Building Committee Meeting - APPROVAL TO PROCEED TO BID	○		28-Feb-22		
37 Complete Contract Documents; NTP to Bid	◆		28-Feb-22		
V. Bidding / Negotiation Phase		March 1, 2022 thru April 29, 2022			
1 Send Bid Docs to Bid Hosting Vendor	○		1-Mar-22		
2 Input IFB Ad in Central Register	○		by 3-Mar-22		
3 Send Invitation to Bid to Prequalified General Contractors and Filed Subcontractors	○		28-Feb-22	thru	4-Mar-22
4 IFB Ad's Go LIVE	○		9-Mar-22		
5 Bid Docs Available to Contractors	○		16-Mar-22		
6 PreBid Conference	○		18-Mar-22		
7 Filed Subcontractor RFI Due Date	○		29-Mar-22		
8 Filed Subcontractor Bid	○		31-Mar-22		
9 General Contractor RFI Due Date	○		11-Apr-22		
10 General Contractor Bid	○		13-Apr-22		
11 Building Committee Meeting	○		14-Apr-22		
12 Selectboard Meeting for GC Contract	○		15-Apr-22		
13 Issue Notice-To-Proceed to GC	○		15-Apr-22	thru	29-Apr-22
14 Finalize Construction Contracts	○				
VI. Construction Phase		April 18, 2022 thru June 26, 2023			
1 Start Construction	○		18-Apr-22		
2 Building Committee Meeting	○		2-May-22		
3 Building Committee Meeting	○		6-Jun-22		
4 Building Committee Meeting	○		11-Jul-22		
5 Building Committee Meeting	○		8-Aug-22		
6 Building Committee Meeting	○		5-Sep-22		
7 Building Committee Meeting	○		3-Oct-22		
8 Building Committee Meeting	○		7-Nov-22		
9 Building Committee Meeting	○		5-Dec-23		
10 Building Committee Meeting	○		9-Jan-23		
11 Building Committee Meeting	○		6-Feb-23		
12 Building Committee Meeting	○		6-Mar-23		
13 Building Committee Meeting	○		3-Apr-23		
14 Building Committee Meeting	○		8-May-23		
15 MEP Commissioning	○		5-May-23	thru	19-May-23
16 Contractor Substantial Completion	○		22-May-23		
17 FF&E & Punchlist	○		23-May-23	thru	25-Jun-23
18 Building Committee Meeting	○		5-Jun-21		
19 Final Completion	○		26-Jun-23		
20 Move-In	○		26-Jun-23		
VII. Project Close-Out		July 2023 thru August 2023			

Current Status
11/8/21

FINANCIAL STATUS REPORT

Town of Dover Community Center Building

Financial Status Report (\$000's)

Date: November 8, 2021

	A	B	C	D1	D2	D	E	F	G
	Budget			Contracted Project Costs			Anticipated Costs		Remaining Balance (C - F)
Budget developed as of 5/3/2021	Project Budget	Approved Transfers	Approved Budget w/ Transfers	Paid	Unpaid	Total Contract	Planned, but not Contracted	Anticipated Total Costs (D + E)	
I. Construction									
<u>A.</u> Building & Site	\$ 14,180.0	\$ -	\$ 14,180.0	\$ -	\$ -	\$ -	\$ 14,180.0	\$ 14,180.0	\$ -
<u>B.</u> Other Construction		-	-	-	-	-	-	-	-
Total Construction	\$ 14,180.0	\$ -	\$ 14,180.0	\$ -	\$ -	\$ -	\$ 14,180.0	\$ 14,180.0	\$ -
IV. Furniture, Fixtures & Equipment (FF&E)									
<u>A.</u> Loose Furnishings	436.2	-	436.2	-	-	-	436.2	436.2	-
<u>B.</u> Program Related Equipment	w/ above	-	-	-	-	-	-	-	-
<u>C.</u> Data/Telecomm Equipt	w/ above	-	-	-	-	-	-	-	-
<u>D.</u> Audio/Visual Equipment	w/ above	-	-	-	-	-	-	-	-
<u>E.</u> Security Equipment	-	-	-	-	-	-	-	-	-
<u>F.</u> Specialty Signage	-	-	-	-	-	-	-	-	-
Total FF & E	436.2	-	436.2	-	-	-	436.2	436.2	-
V. Fees and Expenses									
<u>A.</u> Fees									
<u>1</u> Feasibility & Schematic Design Phase	347.0	-	347.0	346.9	-	346.9	-	346.9	0.1
<u>2</u> Architect	1,508.7	-	1,508.7	477.5	1,031.2	1,508.7	-	1,508.7	-
<u>a</u> Civil Engineering	w/ architect	-	-	-	-	-	-	-	-
<u>b</u> Landscape Arch.	w/ architect	-	-	-	-	-	-	-	-
<u>c</u> Structural Engineering	w/ architect	-	-	-	-	-	-	-	-
<u>d</u> MEP/FP Engineering	w/ architect	-	-	-	-	-	-	-	-
<u>e</u> Interior/Furniture Designer	w/ architect	-	-	-	-	-	-	-	-
<u>f</u> Lighting Consultant	w/ architect	-	-	-	-	-	-	-	-
<u>g</u> Acoustical Consultant	w/ architect	-	-	-	-	-	-	-	-
<u>h</u> Signage Consultant	w/ architect	-	-	-	-	-	-	-	-
<u>i</u> LEED Designer	w/ architect	-	-	-	-	-	-	-	-
<u>j</u> Referendum Services	w/ architect	-	-	-	-	-	-	-	-
<u>k</u> Code Consultant	w/ architect	-	-	-	-	-	-	-	-
<u>l</u> Designer's Cost Estimator	w/ architect	-	-	-	-	-	-	-	-
<u>3</u> Special Consultants									
<u>a</u> Haz. Mat. Monitoring	42.5	-	42.5	-	-	-	42.5	42.5	-
<u>b</u> Audio/Visual	w/ architect	-	-	-	-	-	-	-	-
<u>c</u> Technology & Security Consultant	w/ architect	-	-	-	-	-	-	-	-
<u>d</u> Geo-Tech Monitoring	7.5	-	7.5	-	-	-	7.5	7.5	-
<u>e</u> Traffic Engineer	w/ Peer Review	-	-	-	-	-	-	-	-
<u>f</u> Ecologist/Soil Sample	-	-	-	-	-	-	-	-	-

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		Budget			Contracted Project Costs			Anticipated Costs		Remaining Balance (C - F)
Budget developed as of 5/3/2021		Project Budget	Approved Transfers	Approved Budget w/ Transfers	Paid	Unpaid	Total Contract	Planned, but not Contracted	Anticipated Total Costs (D + E)	
g	Peer Reviews	10.0	-	10.0	-	-	-	10.0	10.0	-
h	Green Building Consultant	w/ architect	-	-	-	-	-	-	-	-
i	Storm Water Monitoring	-	-	-	-	-	-	-	-	-
4	Project Management	485.0	-	485.0	74.6	410.4	485.0	-	485.0	-
5	Building Commissioning	40.0	20.0	60.0	-	-	-	60.0	60.0	-
6	Owner's Cost Estimator	25.0	-	25.0	10.5	12.0	22.5	-	22.5	2.5
7	CM Preconstruction Fee	-	-	-	-	-	-	-	-	-
8	Owner's Legal Fees	10.0	-	10.0	-	-	-	10.0	10.0	-
9	Site Survey	w/ architect	-	-	-	-	-	-	-	-
10	Utility Assessment	10.0	-	10.0	-	-	-	10.0	10.0	-
Sub-total Fees		2,485.7	20.0	2,505.7	909.5	1,453.6	2,363.1	140.0	2,503.1	2.6
B.	Expenses									
1	Owner's Insurance	20.3	(20.0)	0.3	-	-	-	0.3	0.3	0.0
2	Permits	-	-	-	-	-	-	-	-	-
3	Printing	6.0	-	6.0	-	-	-	6.0	6.0	-
4	Construction Utilities Use	w/ constr	-	-	-	-	-	-	-	-
5	Site Borings	w/ geotech	-	-	-	-	-	-	-	-
6	Materials Testing	20.0	-	20.0	-	-	-	20.0	20.0	-
7	Special Inspections	w/ mat testing	-	-	-	-	-	-	-	-
8	Consultant Reimbursables	35.0	-	35.0	4.0	-	4.0	31.0	35.0	-
9	Moving/Relocation	85.0	-	85.0	-	-	-	85.0	85.0	-
10	Temporary Space/Ops	-	-	-	-	-	-	-	-	-
11	Advertising	2.5	-	2.5	-	-	-	2.5	2.5	-
12	Physical Plant Expenses	-	-	-	-	-	-	-	-	-
13	Misc. Expenses	10.0	-	10.0	-	-	-	10.0	10.0	-
14	Bond/Financing	-	-	-	-	-	-	-	-	-
15	Site Acquisition	-	-	-	-	-	-	-	-	-
Sub-total Expenses		178.8	(20.0)	158.8	4.0	-	4.0	154.8	158.8	0.0
Total Fees and Expenses		2,664.5	-	2,664.5	913.5	1,453.6	2,367.1	294.8	2,661.9	2.6

FINANCIAL STATUS REPORT

Town of Dover Community Center Building

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	Budget			Contracted Project Costs			Anticipated Costs		Remaining Balance (C - F)
Budget developed as of 5/3/2021	Project Budget	Approved Transfers	Approved Budget w/ Transfers	Paid	Unpaid	Total Contract	Planned, but not Contracted	Anticipated Total Costs (D + E)	
VI. <u>Contingency</u>									
A. Construction & Owner's Project									
1 Construction	709.5	-	709.5	-	-	-	-	-	709.5
2 Owner's Project	859.8	-	859.8	-	-	-	-	-	859.8
B. Additional Need	-	-	-	-	-	-	-	-	-
Total Contingency	1,569.3	-	1,569.3	-	-	-	-	-	1,569.3
Total Project	\$ 18,850.0	\$ -	\$ 18,850.0	\$ 913.5	\$ 1,453.6	\$ 2,367.1	\$ 14,911.0	\$ 17,278.1	\$ 1,571.9

FEE PROPOSAL COMPARISON ANALYSIS



Town of Dover
Community Center Project

8-Nov-21

Envelope Commissioning Services								
Services Required							Fee Analysis Information	
Firm Name	Construction Document Phase Services	Bidding Phase Services	Construction Phase Services	Closeout Phase Services	Post Occupancy Services	Total Fee	Proposed Expenses (Not Included in Fee)	Comments
3ive	\$13,000	\$1,000	\$23,900	\$1,000	\$1,200	\$40,100		Recently worked successfully on multiple projects with Colliers including: - Templeton Center Elementary School - Waterford Street School
Building Enclosure Associates								
Gale Associates								
Russo Bar								
Gorman Richardson Lewis								
Ameresco								
CBI Consulting								

David de Sola AIA, LEED AP BD + C
Founding Principal
3 iVE LLC

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Somerville, MA 02143
617-625-3483 w/f
david.desola@3iVE.com



27 October 2021

Mr. John Bates
Project Manager
Colliers Project Leaders

VIA EMAIL
John.Bates@Colliers.com

RE: Town of Dover
Community Center Addition / Renovation
4 Springdale Avenue, Dover, MA

Dear Mr. Bates,

Thank you for the opportunity to bid on the above-referenced project. Based on the scope documents you provided, we have put together a proposal we believe will serve the project well.

Project Understanding:

We understand that building envelope commissioning (BECx) services are being requested for this project, which includes: the renovations to the original 1910 structure and a new addition. The existing building will receive new waterproofing, and air / vapor barrier glazing. The addition will have a new zinc roof, aluminum fenestration, a clad pressure equalized cavity wall.

The following proposal and scope of work follows our well-proven model based upon an iterative, belt and suspenders approach beginning at the first stages of design through construction with construction observation and testing embedded along the way.

We recognize that this proposal comes in at a higher fee than the RFP figure. You will find that our proposal is comprehensive and addresses the specific activities requested, and that our rates are highly competitive. We have worked successfully on many Colliers projects with outstanding results, including the recently completed Templeton Center Elementary School and Waterford Street School in Gardner, currently in construction. We are willing to work with you to adjust our scope to fit your project needs.

Sincerely,

A handwritten signature in blue ink, appearing to be 'David de Sola', written over a faint, stylized blue line graphic.

David de Sola, AIA LEED AP BD+C
Founding Principal

FEE PROPOSAL



3iVE is pleased to provide the following cost proposal for Building Envelope Commissioning (BECx) services for the Town of Dover Community Center project. This proposal is based on the RFP and addendum received, our evaluation of the project needs, and our experience with similar projects. We reserve the right to modify this proposal if our understanding of the project changes or if your needs change.

PROJECT UNDERSTANDING

- Existing building is comprised of an original 1910 era school building and two (2) different building additions.
- This project will demolish the additions while protecting / preserving the original, historic 1910 portion.
- A new addition will be constructed and will house a large recreational court, community room, and a two-story vertical circulation section.
- Project highlights related to building exterior enclosure include:
 - Exterior window replacement at existing building
 - New waterproofing system at existing building foundation wall
 - New continuous air / moisture barrier system at existing building exterior walls
 - New custom insulated skylights at existing building roof
 - New standing seam zinc roof at building addition
 - New anodized aluminum window and storefront systems at building addition
 - New slate rainscreen system at building addition
 - Construction phase 4/18/2022 – 6/26/2023
- Systems to be commissioned include:
 - Envelope
 - Exterior walls
 - Exterior windows
 - Exterior doors
 - Grilles and sunscreens
 - Infrared scan of envelope
 - Roofing
 - Roof systems, including parapet
 - Roof openings, including skylights, pipe chases, ducts
 - Infrared scan of roof

PROPOSED SCOPE OF WORK AND FEES*

Construction Document Phase:

- ~~Kick Off Meeting with Town of Dover, Design Team and Contractors to discuss the commissioning process and plan.~~
- ~~Review OPR~~
- ~~Review BOD~~
- ~~Attend Integrated Design Meetings – in addition to kick-off meeting (listed above) will participate in virtual / telephone conversations. Assume 6 hours @ \$200/hr~~
- Review 80% Construction Documents (drawings, specifications, and narratives)
- ~~Review 100% CD Documents (drawings, specifications, and narratives)~~
- Develop Commissioning Specifications
- Develop Building Envelope Commissioning Plan

Total Construction Document Phase

~~**\$12,800.00**~~

Bidding Phase

- ~~Assist the Design team and the OPM in responding to requests from prospective bidders for information or clarification related to building envelope commissioning.~~

Total Bidding Phase

~~\$1,000.00~~

Construction Phase:

- ~~Update Construction Phase BECx Plan and integrate with overall project schedule~~
- Review of contractor submittals, RFI's, etc.
- ~~Develop and distribute construction checklists~~
- Participate via phone call / remote in construction meetings at least once per month. Assume two hours each for 14 months
- Field visits during the construction of the exterior envelope along with written field reports to identify any non-conformance issues along with any recommendations. Assume 4 visits
- ~~Observe mockup testing - 2 site visits~~
- Observe functional performance testing - 2 site visits
- ~~Coordinate retesting~~
- Develop and maintain BECx issue log
- Perform Infrared Scan of Roof and Exterior Assemblies for New and Existing Facilities. Include extensive report and analysis of findings.

Assume a BE Cx Kickoff meeting with all the applicable contractors, etc. and (1) additional meeting

Total Construction Phase

~~\$23,900.00~~

Project Closeout

- Final BECx report

Total Project Closeout

\$1,000.00

Post-Occupancy Phase Services

- ~~Seasonal or deferred testing and deficiency corrections~~
- Provide final testing documentation for the commissioning record and operations and maintenance manuals
- ~~Execute a Commissioning Certificate of Completion~~

Total Post-Occupancy Phase

~~\$1,200.00~~

Fee summary:

Phase	Phase Total
Construction Document Phase	\$13,000.00
Bidding Phase	\$1,000.00
Construction Phase	\$23,900.00
Project Closeout	\$1,000.00
Post-Occupancy Phase	\$1,200.00
Total Estimate	\$39,900.00

*** THIS ESTIMATE DOES NOT INCLUDE MOCKUP OR TESTING COSTS. INDEPENDENT TEST AGENCY TO BE HIRED BY OWNER IN ACCORDANCE WITH BECx MOCKUP AND TESTING PROTOCOL.**