

AGENDA

- 1. Schedule
- 2. DPW
 - ConsCom Presentation Update
 - Cost Update
 - Access Drive
 - Site & Building Development
- 3. Community Center
 - 10 Elm Street Cost Update
- Cost Model
- 5. Next Steps
 - Final Report
 - Outreach

TOWN OF BOXFORD

Targeted Facilities Masterplan
15 August 2018

CHEDULE

COMMUNITY CENTER

Conceptual Design at 10 Elm

Update Design at 4 Middleton

TOWN HALL / LIBRARY

DPW

COST ESTIMATES

FINAL REPORT

Report Back to Task Force

23 May

13 June

27 June

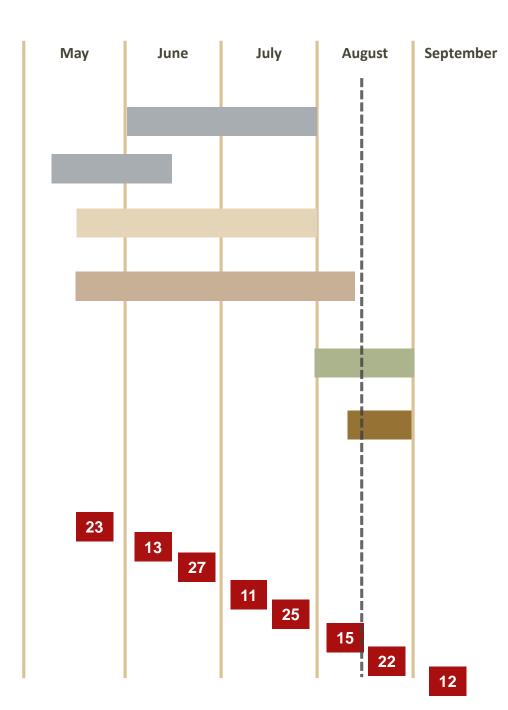
11 July

25 July

15 August

22 August

12 September



DPW

SITE ONE ROAD

- Site Civil Analysis
- Civil Engineering Design Initial options - 13 June Continue Design
- Regulatory Agency Review
 - Board of Health
- Cost Estimate

INFORMATION GATHERING

- Geotechnical Study (W&S)
 - o SW45 (W&S) Received 11 July
 - Geotech (W&S) On site 6 August,
 Report 20 August
- Site Survey (Doucet)
 - Survey

Report Back to Task Force

23 May

13 June

27 June

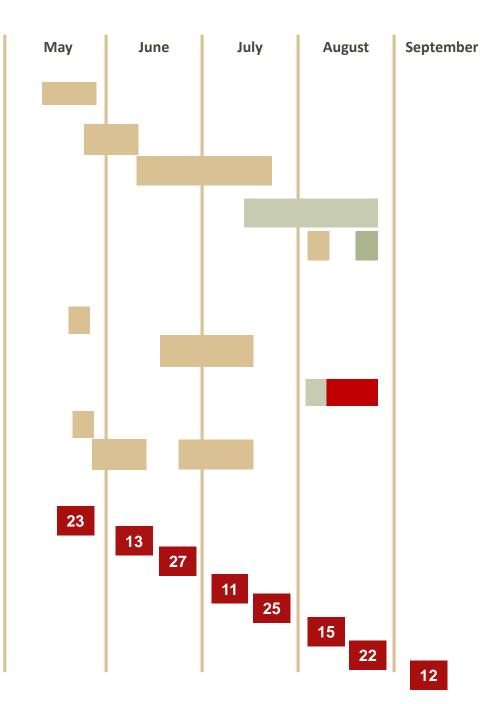
11 July

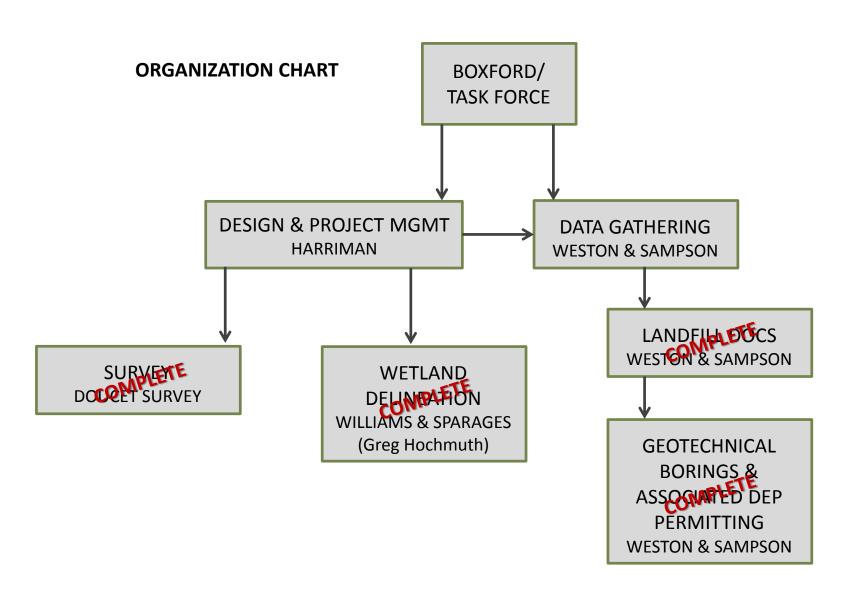
25 July

15 August

22 August

12 September





WEEK PROGRESS SUMMARY

30 July (week of)

Conservation Commission presentation 8-2

06 August (week of)

- Geotechnical borings were drilled to 25 feet
- Preliminary findings are positive: sand and gravel fill material found, no organics observed in the boring samples

13 August (week of)

Continued access drive development

20 August (week of)

Geotechnical lab data included for final access drive design considerations

SITE PLAN INDEX



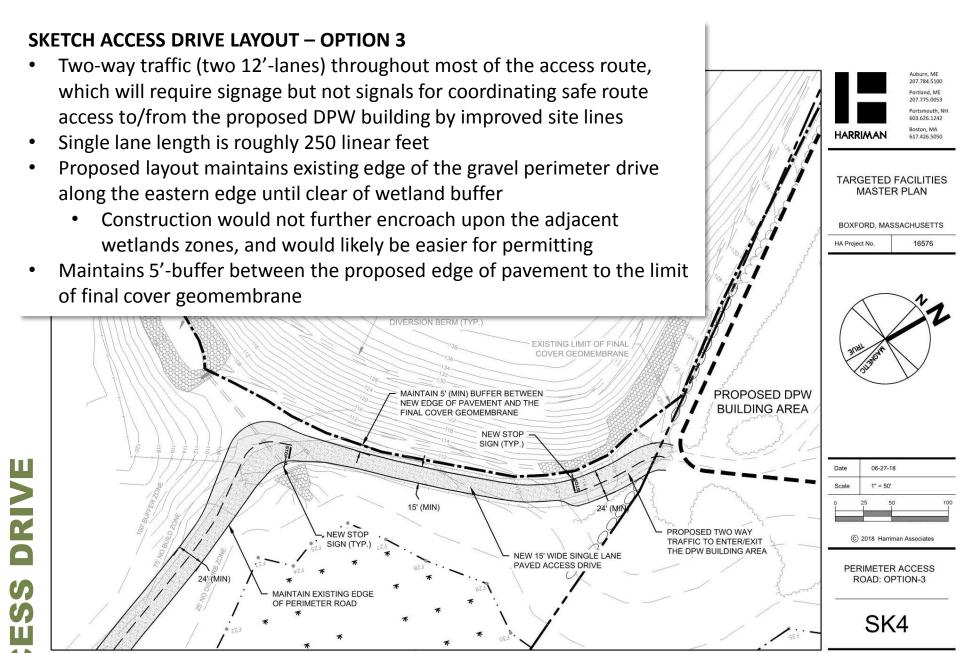
Segment C Access Drive (Stop sign to Existing DPW)

Single Lane Portion of Access Drive (250')

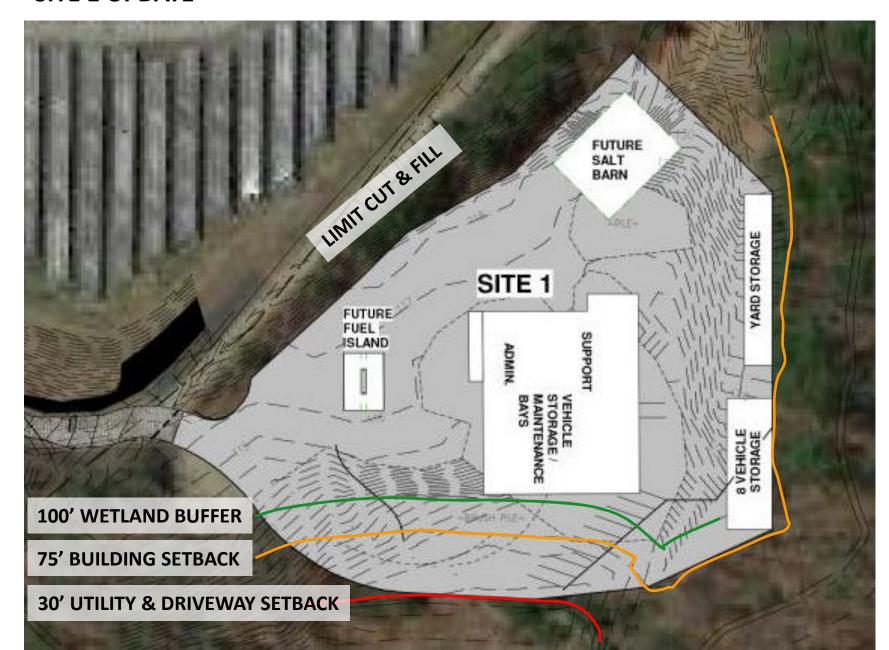
Main DPW Building

Free Standing 3-Sided Vehicle Storage

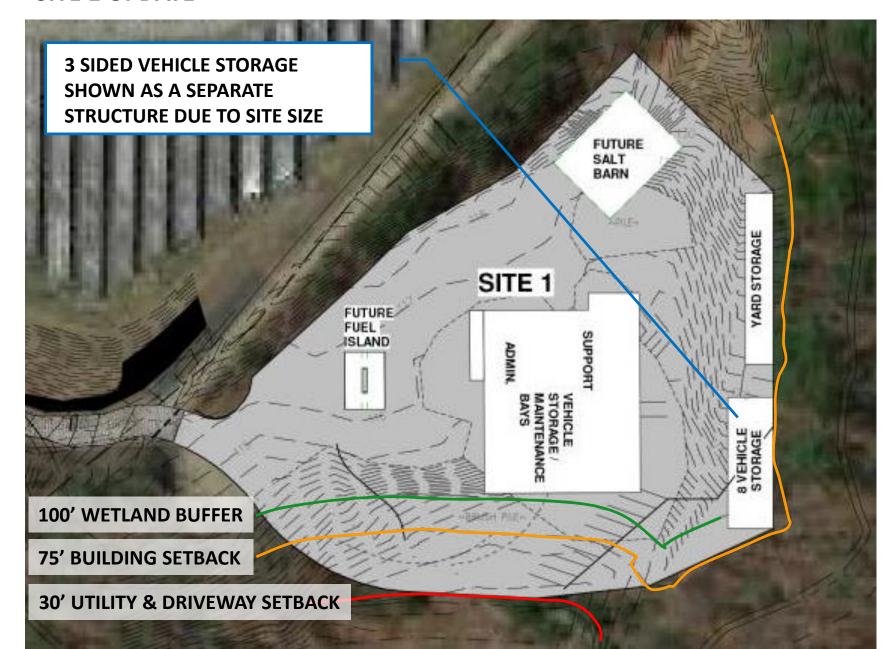
DPW & ACCESS DRIV



SITE 1 UPDATE



SITE 1 UPDATE



	Town of Boxford				HARRIMAN
	Department of Public Works - Concept Project Bu	udget		1	5 August 2018
	I. Construction	Full Scope 18,240 sf DPW	17,000 sf DPW	16,000 and Three Sided DPW	15,000 and Three Sided DPW
	Total Construction Costs (full scope 18,000sf b	5,920,647			
	Total Construction Costs Reduced Scope Building		5,796,000		- 1
	Total Construction Costs Reduced Scope Building plus 800 sf shed			5,776,704	
80	Total Construction Costs Reduced Scope Building plus 1,600 sf shed				5,776,704
SOS WOO	Approximate Value of Road (included above) = \$ 3 TOTAL	\$5,920,647	\$5,796,000	\$5,776,704	\$5,776,704
\S	II. Administrative Cost & Reserve	0	0	0	0
0	FF&E (budget)	75,000	75,000	75,000	75,000
	Infrastructure Technology (budget)	50,000	50,000	50,000	50,000
	Advertising/Printing	5,000	5,000	5,000	5,000
	Insurance/Legal	5,000	5,000	5,000	5,000
Ш	Bid Contingency (5%)	296,032	289,800	288,835	288,835
	Construction Contingency (5%)	296,032	289,800	288,835	288,835
DRIVE	TOTAL	\$727,065	\$714,600	\$712,670	\$712,670
	III. Fees & Services	11	L.	Щ	
	Architect/Engineer				
	Basic A/E Services				
_	Schematic Design Design Development				
S	Construction Documents				
	Bidding and Negotiation Construction Administration				
(i)	Project Close Out				
iii	Total Basic Services Architect/Engineer	466,251	456,435	454,915	454,915
	Additional Services Fees (based on const cost)	22,202	21,735	21,663	21,663
	FF&E Fee	2,000	2,000	2,000	2,000
	TEL / Data Design	10,000	10,000	10,000	10,000
ACCES	Fee for Planning Board Permitting (budget)	30,000	30,000	30,000	30,000
	A/E Reimbursable Survey/Soils/Borings	23,313 50,000	22,822 50,000	22,746 50,000	22,746 50,000
	OPM	279,751	273,861	272,949	272,949
. 10	Special Inspections	30,000	30,000	30,000	30,000
්	Cost Estimating	12,000	12,000	12,000	12,000
	Commissioning	20,000	20,000	20,000	20,000
	Misc Fees and Expenses	35,000	35,000	35,000	35,000
5	Testing and Balancing	20,000	20,000	20,000	20,000
		\$1 000 F16	\$983,853		\$981,273
	TOTAL	\$1,000,516	2202,023	\$981,273	3301,273
DPW	TOTAL Project Cost	\$7,648,228	\$7,494,453	\$7,470,648	\$7,470,648

	Town of Boxford Department of Public Works - Concept Proj	ect Budget for	DPW Alternat	es	15 /	HARRIMAN August 2018
S	I. Construction	Segment C Access Drive	Full 2- Lane Access Drive	Fence at Solar Array	Reuse Existing Fuel Island	Reuse Existing Salt Barn
Ш	Add Alternates Alternate: Segment C Access Drive	49,183				
AT	Alternate Full 2- Lane Access Drive		35,500			
	Alternate: Fence at Solar Array			23,800		
	<u>Deduct Alternates</u> Reuse Exisiting Fuel Island Deduct Cost Fuel Island					
쁜	Add Barriers and Shed to House Monitoring and Electirical Equipment				-130,950	
AL	Reuse Exisiting Salt Barn Deduct Cost for Salt Barn Add Fencing around perimeter					-69,000
ш	TOTAL	\$49,183	\$35,500	\$23,800	-\$130,950	-\$69,000
	II. Administrative Cost & Reserve					
S S S S S S S S S S S S S S S S S S S	Land	0	0	0	0	0
~	FF&E (budget) Infrastructure Technology (budget)	0	0	0	0	0
	Advertising/Printing	0	0	0	0	0
	Insurance/Legal	0	0	0	0	0
	Bid Contingency (5%)	2,459	1,775	1,190	-6,548	-3,450
S	Construction Contingency (5%)	2,459	1,775	1,190	-6,548	-3,450
	TOTAL	\$4,918	\$3,550	\$2,380	-\$13,095	-\$6,900
S	III. Fees & Services					
ш	Architect/Engineer	3,873	2,796	1,874	-10,312	-5,434
5 .	Additional Services Fees	184	133	89	-491	-259
	FF&E Fee	0	0	0	0	0
	TEL / Data Design Fee for Planning Board Permitting (budget)	0	0	0	0	0
> 9	A/E Reimbursable	194	140	94	-516	-272
	Survey/Soils/Borings	0	0	0	0	0
<u></u> U	OPM	2,324	1,677	1,125	-6,187	-3,260
90 ()	Special Inspections	0	0	0	0	0
	Cost Estimating	0	0	0	0	0
> E	Commissioning Miss Fees and Expenses	0	0	0	0	0
3 2	Misc Fees and Expenses Testing and Balancing	0	0	0	0	0
PW OM	TOTAL	\$6,575	\$4,746	\$3,182	-\$17,506	-\$9,224
ōŏ	Project Cost	\$60,676	\$43,796	\$29,362	-\$161,551	-\$85,124

NEXT MEETING: 22 AUGUST

SITE ONE ROAD

- Site Civil Analysis
- Civil Engineering Design Initial options - 13 June Continue Design
- Regulatory Agency Review
 - o ConsComm
- Cost Estimate

INFORMATION GATHERING

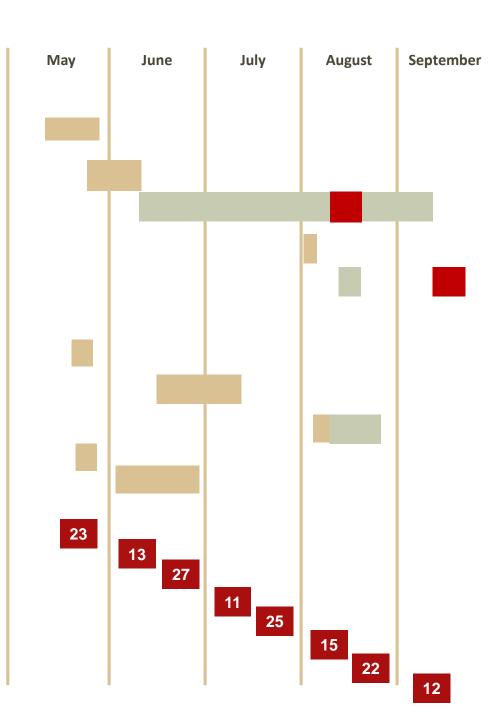
- Geotechnical Study
- SW45 (Weston and Sampson)
 - can be expedited
 - Geotech (Weston & Sampson)
 - Site Survey

Report Back to Task Force

- 23 May
- 13 June
- 27 June
- 11 July
- 25 July

15 August

- 22 August
- 12 September



10 ELM

OPTION D PROPOSED LAYOUT

- 1 Story building
- 9,000 GSF
- New construction is independent of the Cummings House
- Multi-purpose spaces face Pony Field
- Massing faces Elm
 Street and engages
 the Village
- 60 Parking spaces



	Town of Boxford			HARRIMAN	
	Community Center COA at 10 Elm Street (Order of Ma	gnitude)		15 August 2018	
	I. Construction	9,000 sf Cummings House not included	10,600 sf Cummings House as separate program	9,000 sf Cummings House moved and incorporated in project	
	Building Construction	3,959,703	3,959,703	3,959,703	
	Add Alternate 1 Sprinkler System & Holding Tank	126,050	126,050	126,050	
	Add Alternate 2 Emergency Generator	108,840	108,840	108,840	
	Renovate Cummings House in place		362,708		
	Premium to incorporate Cummings House into new building design	\$4,194,593	\$4,557,301	223,121 \$4,417,714	
	H * 1 * 1 + 4 * 0 + 8 B				
	II. Administrative Cost & Reserve Land	0	0	0	
	FF&E (budget)	75,000	75,000	75,000	
	Infrastructure Technology (budget)	50,000	50,000	50,000	
	Advertising/Printing	5,000	5,000	5,000	
	Insurance/Legal	5,000	5,000	5,000	
	Bid Contingency (7.5%)	314,594	341,798	331,329	
	Construction Contingency (7.5%)	314,594	341,798	331,329	
	TOTAL	\$764,189	\$818,595	\$797,657	
· ·	III Fees & Services				
COST	Architect/Engineer				
10	Basic A/E Services				
	Schematic Design				
	Design Development				
	Construction Documents				
	Bidding and Negotiation Construction Administration				
	Project Close Out				
	Total Basic Services Architect/Engineer	464,446	504,607	489,151	
	Additional Services Fees (based on const cont)	32,403	35,205	34,127	
	FF&E Fee	12,000	12,000	12,000	
	TEL / Data Design	10,000	10,000	10,000	
	Fee for HDC and Planning Board Permitting (budget)	30,000	30,000	30,000	
	A/E Reimbursable Survey/Soils/Borings	13,933 20,000	15,138 20,000	14,675 20,000	
	OPM Fee	192,132	208,454	202,172	
Σ	Special Inspections	15,000	15,000	15,000	
	Cost Estimating	12,000	12,000	12,000	
-	Commissioning	20,000	20,000	20,000	
Ш	Misc Fees and Expenses	25,000	25,000	25,000	
	Testing and Balancing	20,000	20,000	20,000	
	TOTAL	\$866,915	\$927,404	\$904,125	
7	Project Cost	\$5,825,697	\$6,303,300	\$6,119,496	

Construction			
Total Construction Costs			3,643,
Alternate 1: Sprinkler System & Holding Tank			114,
Alternate 2: Emergency Generator		- 66	108,
TOTAL		-	\$3,866,8
Administrative Cost & Reserve			
Land			
FF&E (budget)			75,
Infrastructure Technology (budget)			50,
Advertising/Printing			5,
Insurance/Legal			5,
Bid Contingency (7.5%)			290,
Construction Contingency (7.5%)			290,
TOTAL			\$715,
ees & Services			
Architect/Engineer			
Basic A/E Services	4941		
Schematic Design	12%	51,379	
Design Development Construction Documents	20% 40%	85,631 171,263	
Bidding and Negotiation	2%	8,563	
Construction Administration	24%	102,758	
Project Close Out	2%	8,563	
Total Basic Services Architect/Engineer	100%	428,157	428,
Additional Services Fees (based on const cont)			29,
FF&E Fee			12,
TEL / Data Design			10.
Fee for HDC and Planning Board Permitting (budget)			30,
A/E Reimbursable			12,
Survey/Soils/Borings			20,
OPM Fee			177,
Special Inspections			15,
Cost Estimating			12,
Commissioning			20,
Misc Fees and Expenses			25,
Testing and Balancing			20,
			\$812,

HARRIMAN

\$5,394,139

Town of Boxford

Project Cost

NEXT MEETING: 22 AUGUST

CONCEPTUAL DESIGN AT 10 ELM

- Concept Plan without Cummings House
- Update Site Plan
- Rendering without Cummings House
- Meeting with HDC June 27 at 6:30 pm
- Cost Estimate

UPDATE DESIGN AT 4 MIDDLETON

- Conceptual Plan
- Update Site Plan
- Update Rendering
- Meeting with HDC June 27 at 6:30 pm
- Revise Cost Estimate

Report Back to Task Force

23 May

13 June

27 June

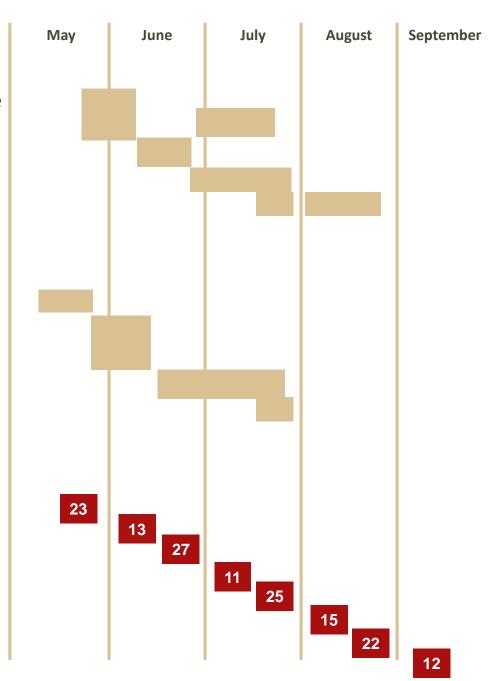
11 July

25 July

15 August

22 August

12 September



TOWN HALL - LIBRARY

Town of Boxford Town Hall / Library - Conceptual Project Budget With Façade Replaced as Brick

Project Cost

HARRIMAN 25 July 2018

I. Construction	Library	Town Hall	Shared Costs	Total
Total Construction Costs	2,238,946	1,001,815		3,240,761
Alt 1: New Finishes in Existing Restrooms	20,109			20,109
Shared Costs				
Circulation			220,653	220,653
Brick Envelope Repairs (siding cost + add alt no	2)		961,429	961,429
TOTAL	\$2,259,055	\$1,001,815	\$1,182,082	\$4,442,952

II. Administrative Cost & Reserve				
Land	0	0	0	0
FF&E (budget)	75,000	5,000	0	80,000
high density book shelves (place holder)	25,000			25,000
tierd shelving (stacks - place holder)	165,000			165,000
Infrastructure Technology (budget)	25,000	25,000	0	50,000
Advertising/Printing	2,500	2,500	0	5,000
Insurance/Legal	2,500	2,500	0	5,000
Bid Contingency (7.5%)	169,429	75,136	88,656	333,221
Construction Contingency (7.5%)	169,429	75,136	88,656	333,221
TOTAL	\$633,858	\$185,272	\$177,312	\$996,443

TOTAL	\$515,371	\$266,456	\$224,127	\$1,005,954
Testing and Balancing	15,000	15,000	5,000	35,000
Misc Fees and Expenses	10,000	10,000	5,000	25,000
Cost Estimating	6,000	6,000	3,000	15,000
Commissioning	10,000	10,000	5,000	25,000
Special Inspections	10,000	10,000	5,000	25,000
OPM Fees	109,282	48,463	57,183	214,928
Survey/Soils/Borings	10,000	10,000	0	20,000
A/E Reimbursable	7,504	3,328	3,927	14,758
Permitting (budget)	10,000	10,000	0	20,000
TEL / Data Design	10,000	10,000	0	20,000
FF&E Fee	50,000	15,000	0	65,000
Additional Services Fees (based on const cont)	17,451	7,739	9,132	34,322
Basic A/E Services Schematic Design Design Development Construction Documents Bidding and Negotiation Construction Administration Project Close Out Total Basic Services Architect/Engineer	250,134	110,926	130,886	491,946
Architect/Engineer				

\$3,408,284

\$1,453,543 \$1,583,522

\$6,445,349

Town of Boxford Town Hall / Library - Conceptual Project Budget With Façade Replaced as Siding

Construction

HARRIMAN 25 July 2018

Town Hall

Library

Shared

Costs

Total

			Costs	
Total Construction Costs	2,238,946	1,001,815		3,240,761
Alt 1: New Finishes in Existing Restrooms	20,109			20,109
Shared Costs				
Circulation			220,653	220,653
Envelope Repairs (siding)			640,994	640,994
TOTAL	\$2,259,055	\$1,001,815	\$861,647	\$4,122,517
161712	V 2,233,033	Ψ 2 ,002,023	φοσ 2 ,σ .,	ψ 1,122,51 <i>7</i>
II. Administrative Cost & Reserve				
Land	0	0	0	0
FF&E (budget)	75,000	5,000	0	80,000
high density book shelves (place holder)	25,000	3,000	O.	25,000
tierd shelving (stacks - place holder)	165,000			165,000
when the same of t		05.000	0	
Infrastructure Technology (budget)	25,000	25,000	0	50,000
Advertising/Printing	2,500	2,500	0	5,000
Insurance/Legal	2,500	2,500	0	5,000
Bid Contingency (7.5%)	169,429	75,136	64,624	309,189
Construction Contingency (7.5%)	169,429	75,136	64,624	309,189
TOTAL	\$633,858	\$185,272	\$129,247	\$948,378
III. Fees & Services				
Architect/Engineer				
Basic A/E Services				
Schematic Design				
Design Development				
Construction Documents Bidding and Negotiation				
Construction Administration				
Project Close Out				
Total Basic Services Architect/Engineer	250,134	110,926	95,406	456,466
Additional Services Fees (based on const cont)	17,451	7,739	6,656	31,846
FF&E Fee	50,000	15,000	0	65,000
TEL / Data Design	10,000	10,000	0	20,000
Permitting (budget)	10,000	10,000	0	20,000
A/E Reimbursable	7,504	3,328	2,862	13,694
Survey/Soils/Borings	10,000	10,000	0	20,000
OPM Fees	109,282	48,463	41,682	199,427
Special Inspections	10,000	10,000	5,000	25,000
Commissioning	10,000	10,000	5,000	25,000
Cost Estimating	6,000	6,000	3,000	15,000
Misc Fees and Expenses	10,000	10,000	5,000	25,000
Testing and Balancing	15,000	15,000	5,000	35,000
TOTAL	\$515,371	\$266,456	\$169,606	\$951,433
		A		
Project Cost	\$3,408,284	\$1,453,543	\$1,160,500	\$6,022,327

COST MODEL

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	Master Plan Facility	Town Hall / Library-Brick	Use To Be Determined	Community Center / COA	Cummings House Reno.	DPW & Access Drive
Z-Z	Address	7 Spofford Road	4 Middleton Road	10 Elm Street	10 Elm Street	Site 1, 7 Spofford Road
2	Area	13,149 GSF	3,770 GSF	9,000 GSF	1,600 GSF	18,240 GSF
OF TON-A	Last Cost Update	07-20-18	OoM Placeholder	08-13-18	08-13-18	08-13-18
	Construction	\$4,443,000	\$500,000	\$4,195,000	\$363,000	\$5,921,000
2	Administrative Cost & Reserve	\$996,000	\$145,000	\$764,000	\$104,000	\$727,000
	Fees & Services	\$1,006,000	\$155,000	\$867,000	\$119,000	\$1,001,000
Ш	Total Project Estimate	\$6,445,000	\$800,000	\$5,826,000	\$586,000	\$7,649,000
	Total Master Plan	\$21,306,000				

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	Facility	Library- Siding	Determined	Center / COA	House Integrated	Drive
OPTION-B	Address	7 Spofford Road	4 Middleton Road	10 Elm Street	10 Elm Street	Site 1, 7 Spofford Road
	Area	13,149 GSF	3,770 GSF	9,000 GSF	0 GSF	16,000 GSF
	Last Cost Update	07-20-18	OoM Placeholder	08-13-18	08-13-18	08-13-18
	Construction	\$4,123,000	\$500,000	\$4,195,000	\$223,000	\$5,777,000
9	Administrative Cost & Reserve	\$948,000	\$145,000	\$764,000	\$34,000	\$713,000
5 2	Fees & Services	\$951,000	\$155,000	\$867,000	\$37,000	\$981,000
ST MODELING:	Total Project Estimate	\$6,022,000	\$800,000	\$5,826,000	\$294,000	\$7,471,000
MOL						
	Total Master Plan	\$20,413,000				

Community

Cummings

DPW & Access

Town Hall /

Use To Be

Master Plan

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NOIL	Master Plan Facility	Town Hall / Library- Siding	Community Center / COA	Site & Septic Infrastructure	Cummings House Reno.	DPW & Access Drive
OPTI	Address	7 Spofford Road	4 Middleton Road	10 Elm Street	10 Elm Street	Site 1, 7 Spofford Road
NO O	Area	13,149 GSF	8,965 GSF	N/A	1,600 GSF	16,000 GSF
MIDDLETON	Last Cost Update	07-20-18	07-20-18	OoM Placeholder	08-13-18	08-13-18
	Construction	\$4,123,000	\$3,867,000	\$125,000	\$363,000	\$5,777,000
4	Administrative Cost & Reserve	\$948,000	\$715,000	\$24,000	\$104,000	\$713,000
FING	Fees & Services	\$951,000	\$812,000	\$44,000	\$119,000	\$981,000
DELI	Total Project Estimate	\$6,022,000	\$5,394,000	\$193,000	\$586,000	\$7,471,000
MOM						
ST	Total Master Plan	\$19,666,000				
0						

NEXT STEPS AND OTHER BUSINESS

