

**TOWN OF
ELLINGTON
BUILDING
REPAIRS
FISCAL YEAR
2018-2019**

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

PROPOSED PROJECT DETAIL										
Agency/Department: PUBLIC WORKS						Project Name: BROOKSIDE PARK PAVILION NEEDS				
Project Description: TO ADDRESS THE NEEDS TO UPDATE AND RENOVATE THE EXISTING PAVILION AT BROOKSIDE PARK TO MEET THE NEEDS FOR THE USERS.						Priority Rank by Agency/Department				
						☐ #1 Committed Project	☐ #2 Urgent Project	☒ #3 Needed Project	☒ #4 Desirable Project	☐ #5 Acceptable Project
Justification: THE PARK AND PAVILION IS USED DAILY THREE SEASONS OF THE YEAR.						Required/Desired Date of Project Completion:				
Benefits:						Type of Project: BUILDING REPAIRS				
Costs if not implement:										
ESTIMATED PROJECT COSTS	FUNDING SOURCE*	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	TOTAL	DEFERRED PROJECTS	SOURCE OF COST ESTIMATES
Planning & Engineering						\$25,000				
Site & ROW Acquisition										
Construction										
Equipment Purchases										
Other (Identify)						\$25,000				
SUBTOTAL										
New Personnel										
Annual Maintenance										
TOTAL COST TO TOWN						\$25,000				

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

PROPOSED PROJECT DETAIL										
Agency/Department: Ellington Volunteer Fire Department							Project Name: Roof Replacement Station 43			
Project Description: Replacement of the 25 year old roof. There are at least two layers of shingles on the existing roof requiring it to be stripped. Once stripped replacement would be for a metal roof which can last up to 50 years or more.							Priority Rank by Agency/Department			
							☐ #1 Committed Project	☐ #2 Urgent Project	☒ #3 Needed Project	☐ #4 Desirable Project
Justification: Replacement of the 25 year old roof, this will alleviate the potential for leaks causing damage to the interior of the building.							Required/Desired Date of Project Completion: Fiscal Year 2020/2021			
Benefits: The building would have a longer lasting roof and there would be no potential for leaks causing damage.							Type of Project:			
Costs if not implement:										
ESTIMATED PROJECT COSTS	FUNDING SOURCE*	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2023-24	FY 2024-25	TOTAL	DEFERRED PROJECTS	SOURCE OF COST ESTIMATES
Planning & Engineering										
Site & ROW Acquisition										
Construction				50,000						
Equipment Purchases										
Other (Identify)										
SUBTOTAL										
New Personnel										
Annual Maintenance										
TOTAL COST TO TOWN				50,000						

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other



The Ellington Volunteer Fire Department, Inc.

29 Main Street, P.O. Box 911 Ellington, CT 06029

Ph 860-870-3190

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fx 860-870-3194

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Gary T. Feldman Sr., *Chief*
Robert Smith, *Deputy Chief*

Jack Rich II, *Assistant Chief*
Karl Neubecker, *Deputy Chief*

Report To: Lori Spielman, First Selectman

From: Gary T. Feldman Sr., Chief

Date: December 1, 2017

Re: Capital Improvements Program 2018 – 2019

Enclosed you will find the FY 2018 – 2019 Capital Improvements Program submissions with details. We request the opportunity to meet with the full board to discuss in detail our requests and the projections. Basic specifications are included to detail the requests. If you have any questions or need additional information, please feel free to contact me.

Respectfully,

A handwritten signature in dark ink, appearing to read "G. T. Feldman".

Gary T. Feldman Sr., Chief



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Proposed Apparatus and Major Equipment 20 Year Replacement Program December 2017

The Ellington Volunteer Fire Department developed this table in 2000 and updates it annually. It shows all of the current fire/rescue vehicles with their: estimated replacement cost, estimated useful life and replacement schedule for a 20-year period. This document includes only apparatus, response and training equipment; **facility items are not included.**

Apparatus / Equipment	Type / Description	Year of Mfg.	New / Used At Purchase	Estimated Replacement Year	Estimated Replacement Cost (2017\$)
Engine Tank-143	Pumper 1000 gal / 1500 GPM	1997	New	2018/2019	700,000
Forestry 143 4X4	Replace with a 4X4 Midi Pumper 500 gal / 1000 GPM min replace the 2 forestry units with 1 apparatus	1986	Used**	2018/2019	400,000
Forestry 243	1996 GMC Pick-up	1996	New		
Engine Tank-143 Option,	Pumper 1000 gal-1500 GPM Option To Refurbish will add 7 to 10 years of life depending on usage.	1997	New	2019/2020	Possibly up to 250,000
TICs (3)	Thermal Imaging Cameras (TIC)	2012	New	2020	30,000
Special Hazards-143	Rescue / Hazmat / Tow Vehicle	2007	New ♦ ♦	2020/2021	85,000
Rescue-143	Heavy Rescue	2001	New	2021	670,000
HazMat-143	Hazmat Trailer	2005	New ♦	2025	12,000
Burn Trailer	Live Fire Training - Burn Trailer	2006	New ♦ ♦ ♦	2026	350,000
Tanker-143	Tanker 3000 gal / 1500 GPM	2007	New	2027	390,000
Gator-143	6X6 UTV and Trailer	2012	New	2027	24,000
Service-143	Utility Truck	2014	New	2029	85,000
Truck-143	Quint - Ladder Truck 300 gal / 1500 GPM / 103'	2010	New	2030	1,000,000
Hydraulic Tools	Hydraulic Rescue Tools (Jaws of Life)	2010	New	2030	80,000
Marine 143	Boat Trailer and Boat	1994/ 2016*	New boat only	2026 boat and trailer	12,000
Service-243	Four Door Pickup	2016	New	2031	60,000
SCBA	Self-Contained Breathing Apparatus and System Upgrade	2018	New	2033	500,000
E-143 Pending	Pumper 750 gal / 1500 GPM	1991	New	2039?	625,000

*Original purchase by the department utilizing donations in 1994, boat replaced in 2016 with Capital Improvement funding in 2016.

**1986 Hummer purchased used via state surplus. ♦ Trailer received as donation from Country Pure Foods, majority of equipment received from federal grant programs ♦ ♦ Vehicle obtained for use as participant of regional hazardous materials response team ♦ ♦ ♦ 95% of funds for unit obtained through a FEMA grant.

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

PROPOSED PROJECT DETAIL

Agency/Department:
PUBLIC WORKS

Project Name:

RENOVATION TO PUBLIC WORKS GARAGE

Project Description: REPAIR AND UPGRADE PUBLIC WORKS FACILITIES

Priority Rank by Agency/Department

☐ #1 Committed Project	☐ #2 Urgent Project	☒ #3 Needed Project	☐ #4 Desirable Project	☐ #5 Acceptable Project
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Justification: MAINTAIN TOWN PROPERTY, UPGRADES TO GARAGE DOORS, HVAC, LIFTS.

Required/Desired Date of Project Completion:

Benefits: LOWER UTILITY COSTS. OFFER A SAFE AND MORE PRODUCTIVE WORK ENVIRONMENT.

Type of Project:
RENOVATION

Costs if not implement:

ESTIMATED PROJECT COSTS	FUNDING SOURCE*	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	TOTAL	DEFERRED PROJECTS	SOURCE OF COST ESTIMATES
Planning & Engineering										
Site & ROW Acquisition										
Construction				\$25,000						
Equipment Purchases										
Other (Identify)										
SUBTOTAL				\$25,000						
New Personnel										
Annual Maintenance										
TOTAL COST TO TOWN				\$25,000						

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY

PROPOSED PROJECT DETAIL										
Agency/Department: HALL MEMORIAL LIBRARY						Project Name: HALL MEMORIAL LIBRARY ROOF REPAIR				
Project Description: REPAIR TO THE ROOF OF THE ADDITION OF THE HALL MEMORIAL LIBRARY BUILDING. Project includes all aspects of replacement of the roof of the new section of the library. Also included is a bird control system to protect the chiller. See attached estimates for project details.						Priority Rank by Agency/Department ☐ #1 Committed Project ☐ #2 Urgent Project ☒ #3 Needed Project ☐ #4 Desirable Project ☐ #5 Acceptable Project				
Justification: The roof of the new section of the library building is approaching the end of its 25-30 year lifespan. Leaks caused by weather, general wear and also by replacement of the chillers have been patched as needed. As issues became more frequent, a survey of the roof was done in 2013. The recommended repairs done included repair and re-flashing around each opening in the roof—sky lights, roof hatches, vent pipes, etc. But as the roof continues to age more issues arise and more interior damage results. In addition, birds roosting in the chiller and enclosure have resulted in damage to the equipment and unsafe conditions.						Required/Desired Date of Project Completion: By the end of FY2018-19.				
Benefits: To maintain the infrastructure of the library building, both interior and exterior, and to safe guard the library materials and equipment housed in this area and the patrons who utilize them.						Type of Project:				
Costs if not implement: Damage to interior building spaces and library materials, and costs of yet more "patch job" repairs. Also damage to chiller resulting in more repairs.										
ESTIMATED PROJECT COSTS	FUNDING SOURCE*	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	TOTAL	DEFERRED PROJECTS	SOURCE OF COST ESTIMATES
Planning & Engineering										
Site & ROW Acquisition										
Construction	1	\$291,139								Rockfall Company/ CROCOG 11/2016
Equipment Purchases										
Other (Identify)	1	\$9,450								Bell Bird Control 7/24/2017
New Personnel										
Annual Maintenance										
TOTAL COST TO TOWN		\$300,589								

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

HALL MEMORIAL LIBRARY
CAPITAL IMPROVEMENT PROJECTS
FY 2018-19

In keeping with the goal of providing a clean, safe and inviting library space for the citizens of Ellington, the Hall Memorial Library Board chose to focus the 2012 Long Range Plan on upgrading the physical facility. The addition/renovation project was completed over 25 years ago, and since that time over 2.6 million patrons have visited the library. While a conscientious maintenance plan has generally kept the building in good condition, several areas now need more in-depth attention. The first projects, repair of the roof of the original building (FY15-16) and the renovations to the public restrooms (FY16-17) are now complete, and the replacement of carpeting will be completed in FY17-18. The next project is roof replacement of the new section of the library and also a bird control system for the chiller.

ROOF REPLACEMENT NEW BUILDING

While it is hard to believe, the roof of the new section of the library building is approaching the end of its 25-30 year lifespan; the 10-year warranty has long since expired. The current roof system consists of seamed membrane and ballast material (small stones). Attention to problems as they arose over the years has generally kept the building safe and dry, but not completely. Leaks that have been caused by weather, general wear and also by replacement of the chillers have been patched as needed. As issues became more frequent, a survey of the roof was done and repairs recommended by Dzen Roofing and Sheet Metal in 2013. These repairs included repair and re-flashing around each opening in the roof—sky lights, roof hatches, vent pipes, etc. As the roof continues to age more issues arise and more interior damage results. An estimate to replace the roofing on this area of the library building was obtained in November 2016 from The Rockfall Company, CRCOG's exICQ contractor for our area.

In addition, there is an escalating problem with birds roosting and nesting in the structures on the roof, i.e. the chiller and the surrounding enclosure. The bird droppings have caused damage to the chiller components as well as unsafe conditions for the service people. The low-tech solution of artificial hawks and owls is no longer effective, so a more aggressive solution was identified. This includes a system of netting that will surround the structures and keep the birds away, to be installed by Bell Bird Control (see the attached information). It is logical to install this system as part of the roofing project.

EXcludeNet™

Bird Exclusion Netting

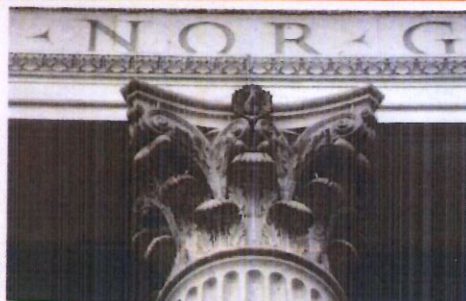
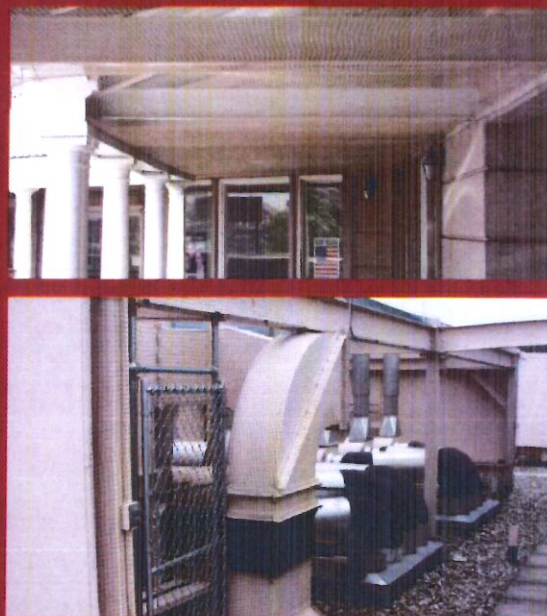


Bell Bird Control's ExcludeNet™ is a specifically designed bird exclusion netting that when properly installed prevents birds from penetrating selected spaces, keeping them from roosting and nesting.

Use ExcludeNet™ to enclose structures and prevent birds from roosting in voids, around air handling equipment, in ceilings of garages, over courtyards, on decorative features of historic structures, under overhangs, and many other applications.

ExcludeNet™ matches industry standards for effectiveness, strength, and longevity.

- ☛ **Constructed of UV protected polyethylene**
- ☛ **Installed using all stainless and galvanized steel hardware**
- ☛ **15 to 20 year life expectancy**

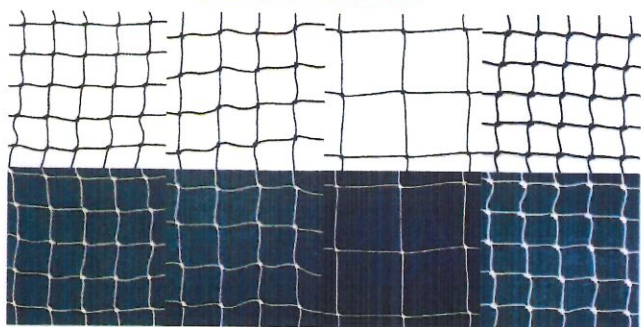


Aesthetic Grade ExcludeNet™

The thinnest Bird Control netting available, AG ExcludeNet is 33% thinner mesh than standard 3/4" netting, making AG ExcludeNet™ even more invisible.

Bell Bird Control's AG ExcludeNet is most often requested for historic restoration and landmarks because it is designed especially for exterior facades where low visibility is important.

ExcludeNet™



3/4" AG
Black &
Stone

7/8" AG
Black &
Stone

2"
Black &
Stone

3/4"
Black &
Stone



Bell Bird Control

A Division of Bell Environmental

229 New Road, Parsippany, N. J. 07054

973-575-7800 • Fax: 973-575-1177

www.bellbirdcontrol.com

email: info@bellbirdcontrol.com



July 24, 2017

Susan Phillips
Library Director
Hall memorial Library
93 Main Street
Ellington, CT 06029

Re: Bird Netting Proposal

Dear Ms. Phillips:

Pursuant to our discussion, we are pleased to submit our proposal for bird exclusion netting for Air Conditioning Chiller and Support Structure.

Bird Exclusion:

Horizontal and Vertical panels of U.V. protected two-inch heavy duty ExcludeNet will be installed to enclose the AC Chiller and Support Structure to prevent pest birds from entering and roosting as outlined in the enclosed photo.

Installation Details:

- Install stainless steel girder clips and hardware as needed.
- Install a tensioned stainless steel cable frame using stainless steel turnbuckles.
- Attach two inch black ExcludeNet bird netting using stainless steel net rings.
- 2"x 4" treated lumber will be used around the perimeter of the structure to keep the net in place. No penetrations will be made in the roof membrane.
- Install galvanized steel mesh in areas where bird netting is not feasible.
- Install removable access panel to allow access for maintenance.

Netting Installation Cost:

The cost to install bird deterrent as outlined is \$9,450.00 plus applicable sales tax.

Terms

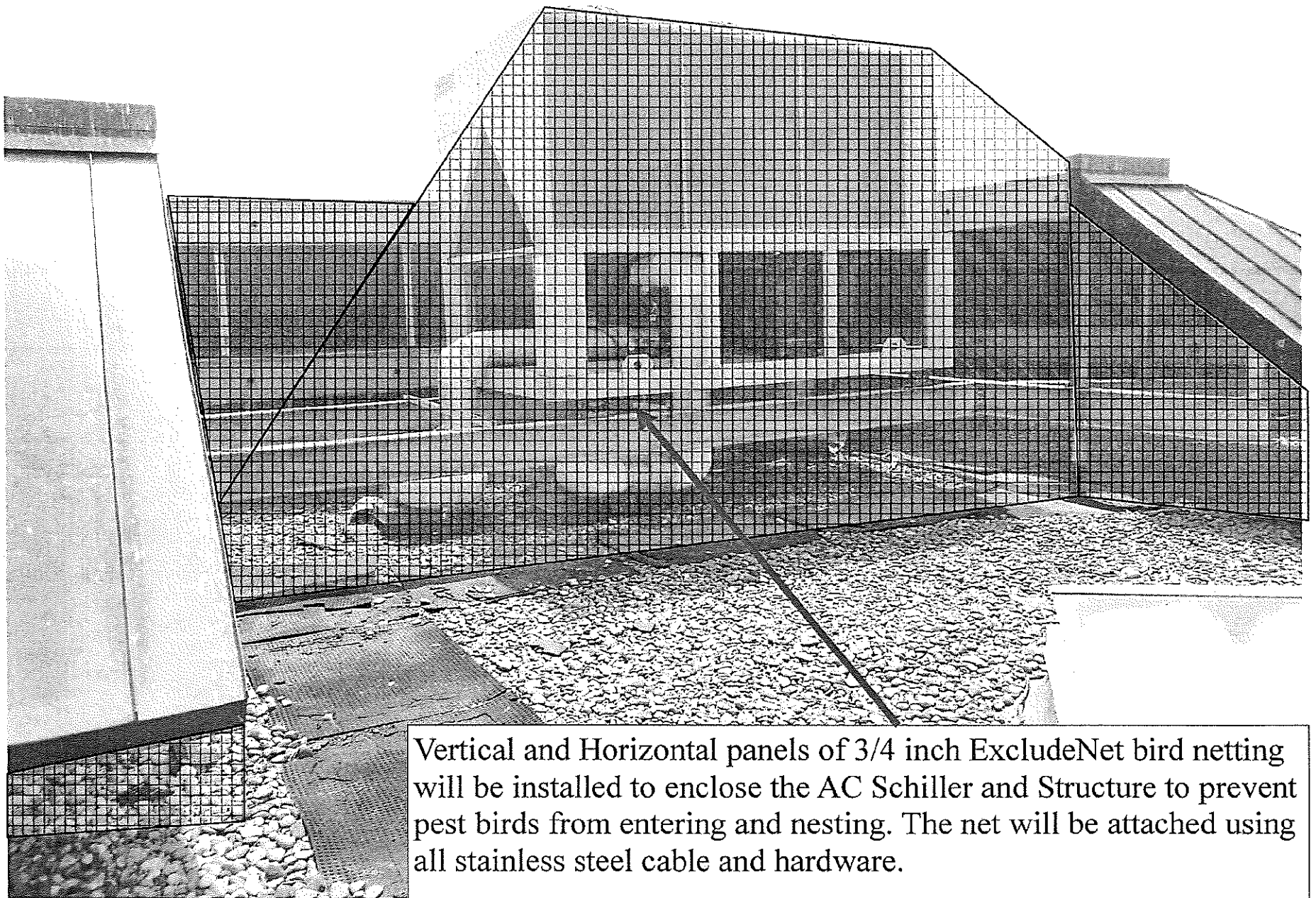
A Purchase Order for the full amount is due prior to start of work. Balance is due immediately upon completion. Applicable tax will be additional. If exempt, please provide us with a certificate. These items of work shall be fully burdened to include system design, labor, materials, supervision, transportation, shipping, waste disposal, overhead, and profit. A one year warranty on workmanship and five year warranty on material is included. This proposal is valid for 90 days at which time it may be necessary to reevaluate these areas.

If you have any questions, please feel free to contact me.

Very truly yours,

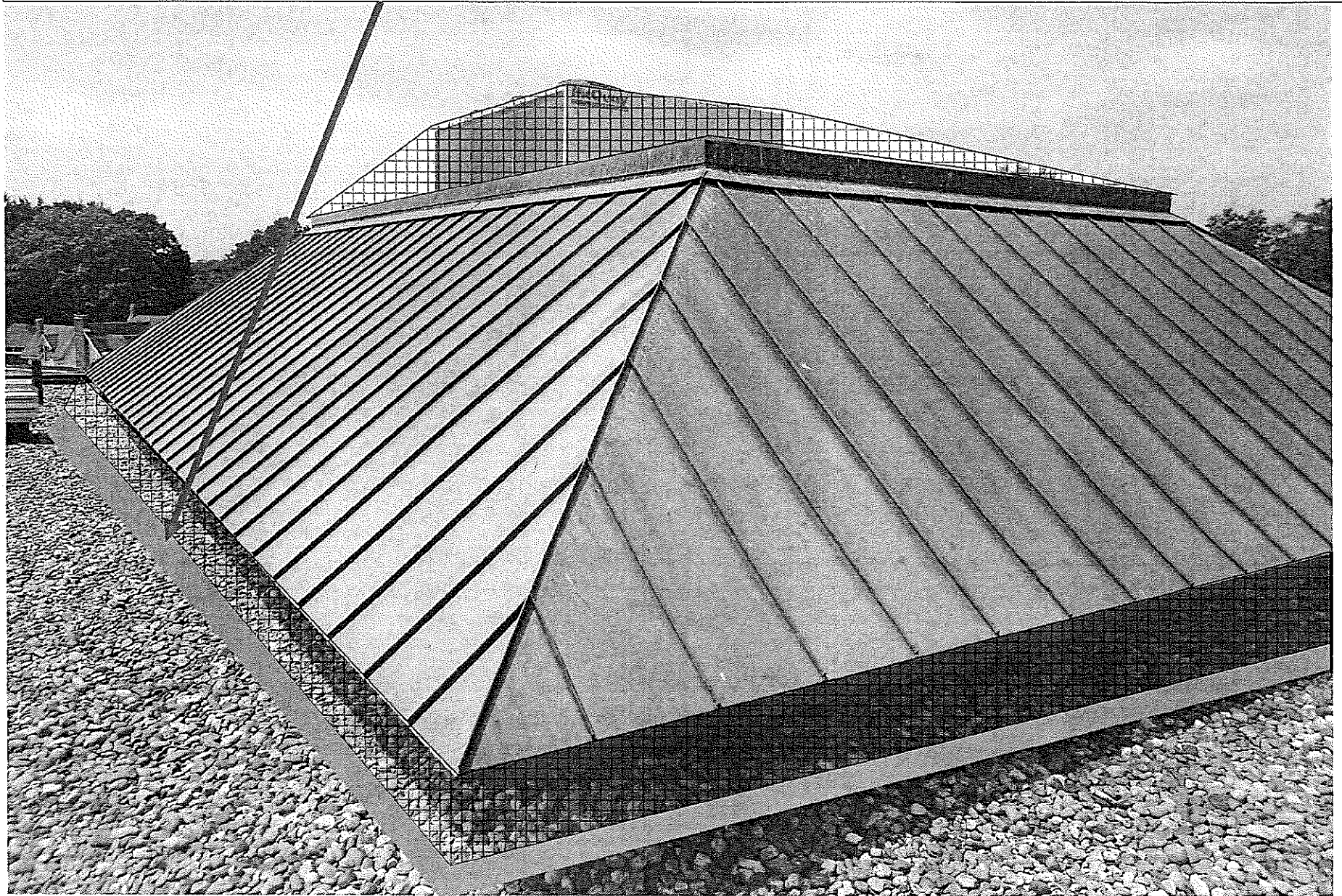
A handwritten signature in cursive script, appearing to read "Dan Brady".

Dan Brady
Bell Bird Control



Vertical and Horizontal panels of 3/4 inch ExcludeNet bird netting will be installed to enclose the AC Schiller and Structure to prevent pest birds from entering and nesting. The net will be attached using all stainless steel cable and hardware.

2" x 4" treated lumber will be used around the perimeter of the structure to keep the net in place. No penetrations will be made in the roof membrane.



Job Order Contract

Contractor's Price Proposal Summary- Category

THIS PROPOSAL HAS NOT BEEN REVIEWED BY THE GORDIAN GROUP

Work Order #: 11-122016
Title Ellington Library Roof Phase II Flat Area
Contractor: CRCOG - Rockfall Company - NE - 15EZIQC
Proposal Value: \$291,138.59
Proposal Name: Ellington Library Roof Phase II Flat Area

To: Project Manager	From: Contractor Project Manager
25 Y Warranty:	\$4,637.52
General Conditions:	\$11,935.96
Permits:	\$79.33
Roofing:	\$274,485.78
Work Order Proposal Total	\$291,138.59

This work order proposal total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding of the line totals and sub-totals.

Job Order Contract

Contractor's Price Proposal Detail- Category

THIS PROPOSAL HAS NOT BEEN REVIEWED BY THE GORDIAN GROUP

Work Order #: 11-122016
 Title Ellington Library Roof Phase II Flat Area
 Contractor: CRCOG - Rockfall Company - NE - 15EziQC
 Proposal Value: \$291,138.59
 Proposal Name: Ellington Library Roof Phase II Flat Area

CSI Number	Mod.	UOM	Description	Line Total
25 Y Warranty				
1	07 00 00 00-0000		Lump Sum 25 Year Flat Roof Warranty Upgrade	\$4,637.52
NPP Tasks				
		Quantity	Unit Price	Factor
	Installation	1.00 x	\$3,800.00 x	1.2204 =
				Total \$4,637.52
User Note: Upgrade from Standard 15 Y				
Subtotal for 25 Y Warranty:				\$4,637.52
General Conditions				
2	01 22 23 00-0702	WK	14 To 15 Ton Lift Hydraulic Crane With Full-Time Operator	\$5,433.16
		Quantity	Unit Price	Factor
	Installation	1.00 x	\$4,451.95 x	1.2204 =
				Total \$5,433.16
3	01 56 26 00-0005	LF	Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	\$1,303.39
		Quantity	Unit Price	Factor
	Installation	300.00 x	\$3.56 x	1.2204 =
				Total \$1,303.39
User Note: Safety Barriers				
4	01 56 26 00-0035	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	\$1,367.57
		Quantity	Unit Price	Factor
	Installation	3.00 x	\$373.53 x	1.2204 =
				Total \$1,367.57
User Note: Safety Barriers				
5	01 56 26 00-0158	BAG	Temporary Chain Link Fence Panels (Portable) Sandbag Includes placement and removal.	\$155.23
		Quantity	Unit Price	Factor
	Installation	30.00 x	\$4.24 x	1.2204 =
				Total \$155.23
User Note: Safety Barriers				
6	01 66 19 00-0010	CY	Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125'	\$3,185.24
		Quantity	Unit Price	Factor
	Installation	600.00 x	\$4.35 x	1.2204 =
				Total \$3,185.24
User Note: Logistics to The Parking Lot Exceeds 125' Distance				
7	01 71 13 00-0003	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed Includes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom manlifts with >40' boom lengths, etc.	\$491.37
		Quantity	Unit Price	Factor
	Installation	1.00 x	\$402.63 x	1.2204 =
				Total \$491.37

Contractor's Price Proposal Detail- Category Continued..

THIS PROPOSAL HAS NOT BEEN REVIEWED BY THE GORDIAN GROUP

Work Order #: 11-122016

Title Ellington Library Roof Phase II Flat Area

CSI Number	Mod.	UOM	Description	Line Total
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Subtotal for General Conditions:				\$11,935.96
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Permits**State Education Fee @ .26/K**

8	01 22 16 00-0002	EA	Reimbursable Fees	Reimbursable fees will be paid to the contractor for the actual cost, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The labor cost involved in obtaining all permits is in the Adjustment Factor. The base cost of the Reimbursable Fee is \$1.00. The quantity used will adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = \$125.00 Reimbursable Fee). If there are multiple Reimbursable Fees, each one shall be listed separately with a comment in the "note" block to identify the Reimbursable Fees (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt shall be included with the Proposal.	\$79.33
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Installation	Quantity		Unit Price		Factor	Total
	65.00	x	\$1.00	x	1.2204 =	\$79.33

User Note: Exempt

Subtotal for Permits - State Education Fee @ .26/K:				\$79.33
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Subtotal for Permits:				\$79.33
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Roofing

9	01 22 23 00-0011	DAY	80' Engine Powered, Telescoping Boom Manlift	\$6,432.24
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Installation	Quantity		Unit Price		Factor	Total
	5.00	x	\$1,054.12	x	1.2204 =	\$6,432.24

User Note: Material / Manpower Hoist

10	01 74 19 00-0014	EA	40 CY Dumpster (5 Ton) "Construction Debris" Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	\$9,958.17
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Installation	Quantity		Unit Price		Factor	Total
	12.00	x	\$679.98	x	1.2204 =	\$9,958.17

User Note: Weight of Existing Ballasted Roof: 2,500 LBS / SQ

11	01 74 19 00-0014	0080	EA	For Each Ton Over Indicated Amount, Add	\$1,244.81
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Installation	Quantity		Unit Price		Factor	Total
	12.00	x	\$85.00	x	1.2204 =	\$1,244.81

12	02 41 19 13-0014	EA	Saw Cut Minimum Charge For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	\$769.85
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Installation	Quantity		Unit Price		Factor	Total
	1.00	x	\$630.82	x	1.2204 =	\$769.85

13	07 05 13 00-0026	LF	Mastic Sealer, 1/4" Bead At Joint	\$0.00
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Installation	Quantity		Unit Price		Factor	Total
	0.00	x	\$2.78	x	1.2204 =	\$0.00

User Note: Tie in to Existing Roof Due to Phasing

Contractor's Price Proposal Detail- Category Continued..

THIS PROPOSAL HAS NOT BEEN REVIEWED BY THE GORDIAN GROUP

Work Order #: 11-122016

Title Ellington Library Roof Phase II Flat Area

CSI Number	Mod.	UOM	Description	Line Total
Roofing				
14	07 16 13 00-0001	SF	Polymer Modified Cementitious Waterproofing Assembly, 2 CoatsAs manufactured by Thoro Consumer Products.	\$970.22
		Quantity	Unit Price	Factor
		250.00	\$3.18	1.2204
		x	x	=
				Total
				\$970.22
		User Note: Tie in to Existing Roof Due to Phasing		
15	07 53 23 00-0017	EA	Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/BootIncludes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	\$115.99
		Quantity	Unit Price	Factor
		4.00	\$23.76	1.2204
		x	x	=
				Total
				\$115.99
16	07 53 23 00-0020	EA	6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration PocketIncludes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	\$631.63
		Quantity	Unit Price	Factor
		6.00	\$79.53	1.2204
		x	x	=
				Total
				\$582.35
		6.00	\$6.73	1.2204
		x	x	=
				Total
				\$49.28
17	07 62 00 00-0006	SF	18 Ounce, 0.021" Thick, Copper Flashing And Trim	\$0.00
		Quantity	Unit Price	Factor
		0.00	\$14.38	1.2204
		x	x	=
				Total
				\$0.00
18	07 63 00 00-0011	EA	6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	\$365.78
		Quantity	Unit Price	Factor
		4.00	\$74.93	1.2204
		x	x	=
				Total
				\$365.78
19	07 63 00 00-0011	0311 EA	For Pourable Sealer Filled, Add	\$237.29
		Quantity	Unit Price	Factor
		4.00	\$48.61	1.2204
		x	x	=
				Total
				\$237.29
20	07 63 00 00-0014	EA	8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	\$1,203.80
		Quantity	Unit Price	Factor
		10.00	\$98.64	1.2204
		x	x	=
				Total
				\$1,203.80
21	07 63 00 00-0014	0314 EA	For Pourable Sealer Filled, Add	\$948.98
		Quantity	Unit Price	Factor
		6.00	\$129.60	1.2204
		x	x	=
				Total
				\$948.98
22	07 63 00 00-0033	EA	2-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 2" Pipe	\$0.00
		Quantity	Unit Price	Factor
		0.00	\$80.41	1.2204
		x	x	=
				Total
				\$0.00
23	07 71 23 00-0064	LF	6", 16 Ounce, K-Style Copper Gutter	\$0.00
		Quantity	Unit Price	Factor
		0.00	\$20.79	1.2204
		x	x	=
				Total
				\$0.00
24	07 71 23 00-0100	EA	6", Half Round Copper Gutter Miter	\$0.00
		Quantity	Unit Price	Factor
		0.00	\$56.15	1.2204
		x	x	=
				Total
				\$0.00
25	07 71 23 00-0134	EA	Thru-Wall Copper Scupper Outlet	\$0.00
		Quantity	Unit Price	Factor
		0.00	\$149.46	1.2204
		x	x	=
				Total
				\$0.00
26	07 71 26 00-0003	LF	10 Ounce Copper Reglet With Counter Flashing Up To 12" Wide	\$0.00
		Quantity	Unit Price	Factor
		0.00	\$11.75	1.2204
		x	x	=
				Total
				\$0.00

Contractor's Price Proposal Detail- Category Continued..

THIS PROPOSAL HAS NOT BEEN REVIEWED BY THE GORDIAN GROUP

Work Order #: 11-122016

Title Ellington Library Roof Phase II Flat Area

CSI Number	Mod.	UOM	Description	Line Total
Roofing				
27	07 71 26 00-0005	LF	28 Gauge Galvanized Steel Reglet With Counter Flashing Up To 12" Wide	\$1,456.55
		Quantity	Unit Price	Factor
		Installation 110.00 x	\$9.28 x	1.2204 =
		Demolition 110.00 x	\$1.57 x	1.2204 =
				\$1,245.78
28	07 73 00 00-0004	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®)	\$38,338.87
		Quantity	Unit Price	Factor
		Installation 10,300.00 x	\$2.63 x	1.2204 =
		Demolition 10,300.00 x	\$0.42 x	1.2204 =
				\$5,279.45
29	07 73 00 00-0004	0114 SF	For Mechanically Fastened To Wood Or Steel, Deduct	-\$223.38
		Quantity	Unit Price	Factor
		Installation 1,408.00 x	\$-0.13 x	1.2204 =
				\$-223.38
30	07 91 33 00-0012	LF	0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175)	\$2,420.49
		Quantity	Unit Price	Factor
		Installation 64.00 x	\$26.73 x	1.2204 =
		Demolition 64.00 x	\$4.26 x	1.2204 =
				\$332.73
31	07 92 13 00-0067	CLF	3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	\$1,885.23
		Quantity	Unit Price	Factor
		Installation 3.00 x	\$396.16 x	1.2204 =
		Demolition 3.00 x	\$118.76 x	1.2204 =
				\$434.80
32	01 95 07 00-0099	SF	Copper Step Flashing	\$6,344.37
		Quantity	Unit Price	Factor
		Installation 350.00 x	\$14.38 x	1.2204 =
		Demolition 48.00 x	\$3.45 x	1.2204 =
				\$202.10
33	04 05 23 16-0023	SF	10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	\$16,167.86
		Quantity	Unit Price	Factor
		Installation 1,800.00 x	\$6.26 x	1.2204 =
		Demolition 1,800.00 x	\$1.10 x	1.2204 =
				\$2,416.39
34	07 21 13 13-0010	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	\$16,119.04
		Quantity	Unit Price	Factor
		Installation 10,400.00 x	\$1.27 x	1.2204 =
				\$16,119.04
35	07 21 13 13-0023	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation	\$46,043.25
		Quantity	Unit Price	Factor
		Installation 10,400.00 x	\$3.39 x	1.2204 =
		Demolition 10,300.00 x	\$0.24 x	1.2204 =
				\$3,016.83
36	07 21 13 13-0023	0150 SF	For Mechanically Fastened To Gypsum, Add	\$512.57
		Quantity	Unit Price	Factor
		Installation 1,400.00 x	\$0.30 x	1.2204 =
				\$512.57
37	07 21 13 19-0003	SF	25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation	\$19,132.21
		Quantity	Unit Price	Factor
		Installation 10,400.00 x	\$1.24 x	1.2204 =
		Demolition 10,300.00 x	\$0.27 x	1.2204 =
				\$3,393.93
38	07 21 13 19-0003	0146 SF	For Mechanically Fastened To Gypsum, Add	\$358.80
		Quantity	Unit Price	Factor
		Installation 1,400.00 x	\$0.21 x	1.2204 =
				\$358.80

Contractor's Price Proposal Detail- Category Continued..

THIS PROPOSAL HAS NOT BEEN REVIEWED BY THE GORDIAN GROUP

Work Order #: 11-122016

Title Ellington Library Roof Phase II Flat Area

CSI Number	Mod.	UOM	Description	Line Total
Roofing				
39	07 51 13 00-0055	LF	3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally	\$2,645.83
		Installation	Quantity 800.00 x Unit Price \$2.71 x Factor 1.2204 = Total \$2,645.83	
40	07 51 13 00-0067	SQ	Demolish Gravel/Slag Surfaced, Built Up Roofing System	\$28,495.17
		Installation	Quantity 104.00 x Unit Price \$224.51 x Factor 1.2204 = Total \$28,495.17	
41	07 53 23 00-0010	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully AdheredIncludes adhesive and fasteners.	\$38,942.09
		Installation	Quantity 104.00 x Unit Price \$306.82 x Factor 1.2204 = Total \$38,942.09	
42	07 53 23 00-0010	0094 SQ	For 25 Year Warranty, Add	\$1,015.37
		Installation	Quantity 104.00 x Unit Price \$8.00 x Factor 1.2204 = Total \$1,015.37	
43	07 53 23 00-0015	SQ	Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat	\$4,652.95
		Installation	Quantity 104.00 x Unit Price \$36.66 x Factor 1.2204 = Total \$4,652.95	
44	07 53 23 00-0015	0091 SQ	For >10 To 25, Add	\$555.92
		Installation	Quantity 104.00 x Unit Price \$4.38 x Factor 1.2204 = Total \$555.92	
45	07 53 23 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat55% solids by volume.	\$4,805.25
		Installation	Quantity 104.00 x Unit Price \$37.86 x Factor 1.2204 = Total \$4,805.25	
46	07 53 23 00-0016	0091 SQ	For >10 To 25, Add	\$75.86
		Installation	Quantity 14.00 x Unit Price \$4.44 x Factor 1.2204 = Total \$75.86	
47	07 53 23 00-0019	EA	>8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/BootIncludes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	\$729.42
		Installation	Quantity 9.00 x Unit Price \$60.31 x Factor 1.2204 = Total \$662.42	
		Demolition	Quantity 9.00 x Unit Price \$6.10 x Factor 1.2204 = Total \$67.00	
48	07 53 23 00-0021	LF	30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection PadIncludes factory installed peel and stick adhesive tape.	\$5,338.03
		Installation	Quantity 200.00 x Unit Price \$18.15 x Factor 1.2204 = Total \$4,430.05	
		Demolition	Quantity 200.00 x Unit Price \$3.72 x Factor 1.2204 = Total \$907.98	
49	07 53 23 00-0022	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing	\$1,091.04
		Installation	Quantity 200.00 x Unit Price \$3.51 x Factor 1.2204 = Total \$856.72	
		Demolition	Quantity 200.00 x Unit Price \$0.96 x Factor 1.2204 = Total \$234.32	
50	07 53 23 00-0023	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing	\$1,440.07
		Installation	Quantity 200.00 x Unit Price \$4.46 x Factor 1.2204 = Total \$1,088.60	
		Demolition	Quantity 200.00 x Unit Price \$1.44 x Factor 1.2204 = Total \$351.48	
51	07 59 00 00-0002	LF	Roofing Membrane Termination BarIncludes fasteners and caulking.	\$1,350.98
		Installation	Quantity 300.00 x Unit Price \$2.76 x Factor 1.2204 = Total \$1,010.49	
		Demolition	Quantity 300.00 x Unit Price \$0.93 x Factor 1.2204 = Total \$340.49	

THIS PROPOSAL HAS NOT BEEN REVIEWED BY THE GORDIAN GROUP

Contractor's Price Proposal Detail- Category Continued..

THIS PROPOSAL HAS NOT BEEN REVIEWED BY THE GORDIAN GROUP

Work Order #: 11-122016

Title Ellington Library Roof Phase II Flat Area

CSI Number	Mod.	UOM	Description	Line Total
Roofing				
52	07 65 19 00-0004	LF	6" Wide Strip, 60 Mil, Neoprene Flashing	\$2,549.17
		Quantity	Unit Price	Total
		Installation 280.00 x	\$5.58 x	\$1,906.75
		Demolition 280.00 x	\$1.88 x	\$642.42
53	07 65 19 00-0005	LF	12" Wide Strip, 60 Mil, Neoprene Flashing	\$4,053.56
		Quantity	Unit Price	Total
		Installation 300.00 x	\$7.20 x	\$2,636.06
		Demolition 575.00 x	\$2.02 x	\$1,417.49
54	07 71 13 00-0002	LF	Remove And Reinstall Metal Coping	\$1,130.70
		Quantity	Unit Price	Total
		Installation 170.00 x	\$5.45 x	\$1,130.70
55	07 71 19 00-0028	LF	8" Face Copper Gravel Stop	\$4,179.75
		Quantity	Unit Price	Total
		Installation 200.00 x	\$14.60 x	\$3,563.57
		Demolition 170.00 x	\$2.97 x	\$616.18
Subtotal for Roofing - x:				\$207,729.26
Subtotal for Roofing:				\$274,485.78
Work Order Proposal Total				\$291,138.59

This work order proposal total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding of the line totals and sub-totals.

The Percent of NPP on this Proposal: 1.59%

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

PROPOSED PROJECT DETAIL

Agency/Department: Ellington Board of Education						Project Name: High School Auditorium Exterior Repair				
Project Description: Repair of current exterior wall.						Priority Rank by Agency/Department				
						☐ #1 Committed Project	☐ #2 Urgent Project	☒ #3 Needed Project	☐ #4 Desirable Project	☐ #5 Acceptable Project
Justification: The current Exterior Insulation Finishing System (EIFS) is starting to peel apart. Current maintenance efforts are sufficient to deal with current issues, but this will need to be done within the timeframe of the current capital budget.						Required/Desired Date of Project Completion: September 2020				
Benefits: Reduce risk of damaged property.						Type of Project: Maintenance				
Costs if not implemented: Repairs and maintenance due to leaking exterior.										
ESTIMATED PROJECT COSTS	FUNDING SOURCE*	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	TOTAL	DEFERRED PROJECTS	SOURCE OF COST ESTIMATES
Planning & Engineering										
Site & ROW Acquisition										
Construction					30,000			30,000		
Equipment Purchases										
Other (Identify)										
SUBTOTAL					30,000			30,000		
New Personnel										
State Grant Reimbursement										
TOTAL COST TO TOWN					30,000			30,000		

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

PROPOSED PROJECT DETAIL										
Agency/Department: Ellington Board of Education						Project Name: Windermere School Floor Abatement				
Project Description: Remove and replace 50,000 square feet of asbestos floor tile and ceiling tiles school wide.						Priority Rank by Agency/Department				
						☐ #1 Committed Project	☐ #2 Urgent Project	☒ #3 Needed Project	☐ #4 Desirable Project	☐ #5 Acceptable Project
Justification: Floor tiles are old and are Vinyl Asbestos Tile (VAT) in need of replacement.						Required/Desired Date of Project Completion: September 2020				
Benefits: Safer and more secure environment for students, staff, and community.						Type of Project: School Construction Grant Code Compliance				
Costs if not implemented: Expensive emergency repairs and patching may become necessary.										
ESTIMATED PROJECT COSTS	FUNDING SOURCE*	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	TOTAL	DEFERRED PROJECTS	SOURCE OF COST ESTIMATES
Planning & Engineering										
Site & ROW Acquisition										
Construction				\$400,000				\$400,000		
Equipment Purchases										
Other (Identify)										
SUBTOTAL				\$400,000				\$400,000		
New Personnel										
State Grant Reimbursement				-\$228,000				-\$228,000		
TOTAL COST TO TOWN				\$172,000				\$172,000		

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

PROPOSED PROJECT DETAIL

Agency/Department: Ellington Board of Education	Project Name: Windermere School Window Replacement					
Project Description: Replace the single pane windows in the original portion of the building.	Priority Rank by Agency/Department <table style="width: 100%; text-align: center;"> <tr> <td>☐ #1 Committed Project</td> <td>☐ #2 Urgent Project</td> <td>☒ #3 Needed Project</td> <td>☐ #4 Desirable Project</td> <td>☐ #5 Acceptable Project</td> </tr> </table>	☐ #1 Committed Project	☐ #2 Urgent Project	☒ #3 Needed Project	☐ #4 Desirable Project	☐ #5 Acceptable Project
☐ #1 Committed Project	☐ #2 Urgent Project	☒ #3 Needed Project	☐ #4 Desirable Project	☐ #5 Acceptable Project		
Justification: The windows in the original portion of the building are old and are not efficient. Replacing them would save on energy costs.	Required/Desired Date of Project Completion: September 2020					
Benefits: To increase energy efficiency of the building.	Type of Project: School Construction Grant Energy Conservation					

Costs if not implemented:
 Costs of heating and cooling an inefficient building.

ESTIMATED PROJECT COSTS	FUNDING SOURCE*	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	TOTAL	DEFERRED PROJECTS	SOURCE OF COST ESTIMATES
Planning & Engineering										
Site & ROW Acquisition										
Construction				\$153,026				\$153,026		
Equipment Purchases										
Other (Identify)										
SUBTOTAL				\$153,026				\$153,026		
New Personnel										
State Grant Reimbursement				-\$43,612				-\$43,612		
TOTAL COST TO TOWN				\$109,414				\$109,414		

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other

CAPITAL IMPROVEMENT PROGRAM SURVEY FORM

PROPOSED PROJECT DETAIL

Agency/Department: Ellington Board of Education	Project Name: Windermere School Roof Replacement										
Project Description: Replace the roof and decking insulation. Date of installation was 1990.	Priority Rank by Agency/Department <table style="width: 100%; text-align: center;"> <tr> <td>☐ #1</td> <td>☐ #2</td> <td>☒ #3</td> <td>☐ #4</td> <td>☐ #5</td> </tr> <tr> <td>Committed Project</td> <td>Urgent Project</td> <td>Needed Project</td> <td>Desirable Project</td> <td>Acceptable Project</td> </tr> </table>	☐ #1	☐ #2	☒ #3	☐ #4	☐ #5	Committed Project	Urgent Project	Needed Project	Desirable Project	Acceptable Project
☐ #1	☐ #2	☒ #3	☐ #4	☐ #5							
Committed Project	Urgent Project	Needed Project	Desirable Project	Acceptable Project							
Justification: The roof is 27 years old and should be scheduled for replacement soon. Leakage and repair issues are starting to increase as the roof ages.	Required/Desired Date of Project Completion: September 2020										
Benefits: To protect the structural integrity of the property.	Type of Project: School Construction Grant Roof Replacement										

Costs if not implemented: Potential for repair costs or damage due to loss of roof integrity.										
ESTIMATED PROJECT COSTS	FUNDING SOURCE*	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	TOTAL	DEFERRED PROJECTS	SOURCE OF COST ESTIMATES
Planning & Engineering										
Site & ROW Acquisition										
Construction				\$1,714,800				\$1,714,800		
Equipment Purchases										
Other (Identify)										
SUBTOTAL				\$1,714,800				\$1,714,800		
New Personnel										
State Grant Reimbursement				-\$977,436				-\$977,436		
TOTAL COST TO TOWN				\$737,364				\$737,364		

*FUNDING SOURCE: (1) Capital Non-Recurring Fund; (2) Short-Term Note; (3) Bond Issue; (4) Grant; (5) Trust Fund; (6) Special Assessment; (7) General Fund; (8) Other