2018-2027 TOWN COUNCIL CAPITAL IMPROVEMENT PROGRAM

	Description	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
63	Public Works - Operations Division										
64	Road Resurfacing	369,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000
66	Cedar Point Road Paving	82,000									
67	Sidewalk Improvements	35,500	30,500	23,500	32,000	72,500	17,000	5,000		_	
75	Dump Truck Replacement	148,400					160,200	160,200	160,300	162,300	164 <u>,3</u> 00
76	Main Street/Pettee Brook Round-a-bout		85,000	513,000							
77	Oyster River Dam Repairs		85,000	921,000					_		
78	Dame Road Paving			455,000							
79	Mobile Air Compressor			17,500							
80	Backhoe Replacement (cost split w/Water & WW)		<u> </u>			53,000					
81	Roadway Sweeper					143,000					
82	1/2 Ton Pickup Replacement	· .					27,000				
83	Aerial Bucket Truck						42,000				
84	Sidewalk Plow Tractor Replacement										106,500
	PW - OPERATIONS TOTALS	634,900	650,500	2,380,000	482,000	718,500	696,200	615,200	610,300	612,300	720,800

2018-2027 PROPOSED ROAD PROGRAM* COST ESTIMATED AT \$450,000 PER YEAR

2018
BENNETT ROAD (shim only)
CEDAR POINT ROAD (paving of entire roadway)
GARDEN LANE
HAMEL DRIVE
HAMPSHIRE AVE
HOITT DRIVE
LUNDY LANE
PALMER DRIVE
SCHOOLHOUSE LANE
SCOTLAND ROAD
TOM HALL ROAD
WOOD ROAD
YORK DRIVE
*\$30,000 to be used for vegetation control

2019
COLONY COVE ROAD

EDGERLY-GARRISON ROAD

ELLISON LANE

NOBEL K. PETERSON DRIVE

SANDY BROOK DRIVE (A)

SANDY BROOK DRIVE (B)

STROUT LANE

TECHNOLOGY DRIVE

THOMPSON LANE

WILLEY CREEK ROAD

2020 CARRIAGE WAY

FACULTY ROAD
LONGMARSH ROAD
MEADOW ROAD
RIVERVIEW ROAD
RIVERVIEW COURT
ROSEMARY LANE
SULLIVAN FALLS ROAD

SURREY LANE
WORTHEN ROAD

2021

FOGG DRIVE
FOGG LANE
KELSEY DRIVE
LAUREL LANE
MADBURY ROAD
MESERVE ROAD

TALL PINES ROAD
WOODRIDGE ROAD

MOHARINET WAY

2022 ADAMS CIRCLE

BURNHAM AVE

COLD SPRING ROAD
CONSTABLE ROAD
GORSON LANE
DAVIS AVENUE
FAIRCHILD DRIVE
FALLS WAY
FOSS FARM ROAD
HEMLOCK WAY
MATHES COVE ROAD
MAPLE STREET
ORCHARD DRIVE

2023

RYAN WAY

ROCKY LANE

STEVENS WAY

CHESLEY DRIVE

MAIN STREET (WEST)

MEADER LANE

OLD PISCATAQUA ROAD

PARK COURT

ROSS ROAD

STAGECOACH ROAD

- 2024 BRITTON LANE

DURHAM PT RD. (WEST)

MADBURY ROAD

SPRUCE WOOD LANE

2025

AMBLER WAY
DEER MEADOW ROAD
FOX HILL ROAD
GERRISH DRIVE
LANGLEY ROAD
MORGAN WAY
TIRRELL PLACE

2026

WILLIAMS WAY

BACK RIVER ROAD
STRAFFORD AVENUE
WEDNESDAY HILL ROAD

2027 BUCKS HILL ROAD

CORMORANT CIRCLE
CROGHAN LANE
DAISEY DRIVE
EMERSON ROAD
JENKINS COURT
PARTRIDGEBERRY LANE
RAZORBILL CIRCLE
SHEARWATER STREET
SUMAC LANE
WOODMAN ROAD

^{**}Years 2019 through 2027 are subject to change.

PROJECT YEAR	2018	PROJECT COST	\$369,000			
DESCRIPTION	Road Program	DEPARTMENT	Public Works			
IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)						

Dept. Initiative

DESCRIPTION (TO INCLUDE JUSTIFICATION)

Road program for 2018. Roads with respective improvements and costs are listed below. Program is designed to resurface each road every 15 years.

\$30,000 of the funds will be used for roadside vegetation control throughout Town.

*\$82,000 is budgeted separately for Cedar Point Road bringing the total to be spent on roadways in 2018 to \$451,000.

ROAD NAME	TYPE	MILEAGE	(FEET)	-	TEAK REATMENT	COST
ROAD NAME	TREATMENT	MILEAGE	DISTANCE		YEAR	COST
	TOTAL ESTI	MATED COST		\$	<u> </u>	
	TOTAL INTERES	ST ·	_	\$	<u>-</u>	
	TOTAL PRINCIP	PAL PAL		\$	-	
IF BONDED:	NUMBER OF YE	ARS				<u></u>
	TOTAL FINAL	TOTAL FINANCING COSTS			369,000	
•	CAPITAL RESE	RVE ACCOUNT		\$		
	FEDERAL/STAT	E GRANT		\$	-	
	UNH PO	RTION		\$	-	
	BOND - TOWN	PORTION		\$		
	UNH - CASH			\$. -	
FINANCING	OPERATING BU	IDGET	•	\$	369,000	
	TOTAL PROJ	JECT COST		\$	369,000	
	CONTINGENCY			\$	<u>-</u>	
	CONSTRUCTIO	N COSTS		\$	369,000	•
	CONSTRUCTION	N ENGINEERING OVE	RSIGHT	\$	-	
	FINAL DESIGN	AND ENGINEERING		\$	<u>.</u>	
ESTIMATED COSTS:	PRELIMINARY S	STUDY, DESIGN AND	ENGINEERING	\$	_	

ROAD NAME	TREATMENT	MILEAGE	DISTANCE	YEAR	COST	
	TYPE		(FEET)	TREATMENT		
BENNETT ROAD	SHIM	1.69	8.92 3	2002	\$	115,892
GARDEN LANE	1" OL	0,35	1848	1992	\$	37,624
HAMEL DRIVE	1° OL	0,11	579	2001	\$	12,252
HAMPSHIRE AVE	1" OL	0-25	1,297	1996	\$	31,447
HOITT DRIVE	1" OL	0.16	844	1998	\$	26,810
LUNDY LANE	1" OL	0.10	522	1996	\$	10,280
PALMER DRIVE	1" OL	0.20	1051	2001	\$	22,240
CHOOLHOUSE LANE	1" OL	0.16	834	2001	\$	17,240
SCOTLAND ROAD	1" OL	0.08	414	1996	\$	8,153
TOM HALL ROAD	1" OL	80.0	440	1996	\$	8,204
WOOD ROAD	1" OL	0.16	861	1996	\$	23,491
YORK DRIVE	1" OL	0.23	1213	2001	\$	25,662
		3.57	SUBTOTAL		S	339,295

	CAPITAL IMPROVEN	MENT PROGI	RAM			
PROJECT YEAR	2018 PR	OJECT COS	T		\$84,000)
DESCRIPTION	Cedar Point Road Paving DE	PARTMENT			Public Works- O	perations
IMPETUS FOR PROJEC	T (IE. MANDATED, COUNCIL O	SOAL, DEPT	INIT	IATIVE, ET	C.)	
Department Initiative driven by hea	vy input from residents of Cedar Point Road.					
DESCRIPTION (TO INCI	LUDE JUSTIFICATION)					
owned gravel road. Public W	ssions with the Cedar Point residents r /orks is working with the UNH Stormw. a 14 foot wide paved surface within th	ater Center for	desig	n		
ESTIMATED COSTS:	PRELIMINARY STUDY, DESIGN AND I	ENGINEERING	\$,	
	FINAL DESIGN AND ENGINEERING		\$	28,000		
•	CONSTRUCTION ENGINEERING OVE		\$	2,000	•	
	CONSTRUCTION COSTS		\$	49,000		
	CONTINGENCY		\$	3,000	•	
	TOTAL PROJECT COST	_	\$	82,000		
FINANCING	OPERATING BUDGET		\$	-		-
	UNH - CASH		\$	_		
	BOND - TOWN PORTION		\$	82,000		
	UNH PORTION		\$	-		
	FEDERAL/STATE GRANT		\$	_		
	CAPITAL RESERVE ACCOUNT		\$	_		
	TOTAL FINANCING COSTS	-	\$	82,000		
IF BONDED:	NUMBER OF YEARS		·	5		_
· ·	TOTAL PRINCIPAL		\$	82,000		
	TOTAL INTEREST		\$	3,900		
	TOTAL ESTIMATED COST	-	\$	85,900		

2018-2024 PROPOSED SIDEWALK PROGRAM

2018 \$35,500

Madbury Road (Woodman to Garrison)

Durham Point Road

2019 \$30,500

Chelsey Drive (Mill Road Plaza)

Old Landing Park

Dennison Road

2020 \$23,500

Dover Road

2021 \$32,000

Faculty Road

2022 \$72,500

Madbury Road (Edgewood Road to Route 4)

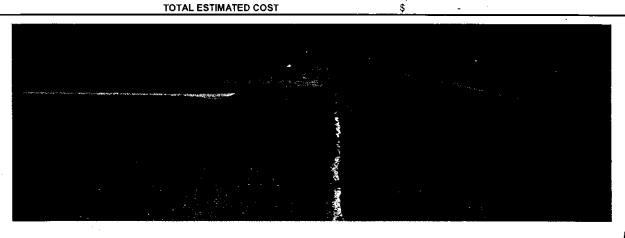
2023 \$17,000

Emerson Road

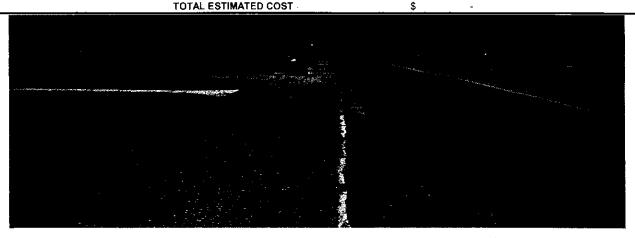
2024 \$5,000

Pettee Brook Parking Lot/Sammy's Market Lot

PROJECT YEAR	2018	PROJECT COS	Т	\$35,500
DESCRIPTION	Sidewalk Improvements - Madbury Road & Durham Point Road	DEPARTMENT		Public Works - Operation
MPETUS FOR PROJEC	T (IE. MANDATED, COUNCI	L GOAL, DEPT	INITIATIVE, E	ETC.)
Council Goal / Dept. Initiative				
DESCRIPTION (TO INC	LUDE JUSTIFICATION)	•		
Madbury Road (Woodman to	•			
Demolition		\$3,000		
Granite Curb Reset	694ft @ \$7.50/ft =	\$5,205		
Crushed Gravel/Loam/Seed		\$2,920		
Sidewalk Asphalt	35 tons @ \$145/ton =	\$5,075		
Hand Work, Curb Patch	13 tons @ \$145/ton =	\$1,885		
Durham Point Road				
Demolition		\$2,060		
Asphalt Curb	591ft @ \$12/ft	\$7,092		
Crushed Gravel/Loam/Seed		\$2,114		
Sidewalk Asphalt	30 tons @ \$145/ton =	\$4,350		•
Hand Work, Curb Patch	10 tons @ \$145/ton =	\$1,450		
				·
ESTIMATED COSTS:	PRELIMINARY STUDY, DESIGN A		\$ -	
	FINAL DESIGN AND ENGINEERING	G	\$ -	
•	CONSTRUCTION ENGINEERING C	VERSIGHT	\$	•
	CONSTRUCTION COSTS		\$ 35,500	
	CONTINGENCY	-	\$	
	TOTAL PROJECT COST		\$ 35,500	
FINANCING	OPERATING BUDGET		\$ 35,500	
	UNH - CASH	•	\$ - "	
	BOND - TOWN PORTION		\$ -	
	UNH PORTION		\$ -	•
	FEDERAL/STATE GRANT		\$ -	
	CAPITAL RESERVE ACCOUNT	-	\$ -	•
	TOTAL FINANCING COSTS		\$ 35,500	
IF BONDED:	NUMBER OF YEARS		N/A	
	TOTAL PRINCIPAL		\$ -	
	TOTAL INTEREST	-	\$ -	-
	TOTAL ESTIMATED COST		¢ .	



· · · · · · · · · · · · · · · · · · ·	CAPITAL IMPRO	T PROC	jΚΑ	M		· .
PROJECT YEAR	2019	PROJECT CO	ST		\$30,50	00
DESCRIPTION	Sidewalk Improvements - See below for roads	DEPARTMENT	Г		Public Works -	Operation:
MPETUS FOR PROJEC	T (IE. MANDATED, COUNC	IL GOAL, DEPI	r ini	TIATIVE, E	_	,
Council Goal / Dept. Initiative	•	·		·	,	
DESCRIPTION (TO INCL	UDF JUSTIFICATION)	——————————————————————————————————————		· · · · · · · · · · · · · · · · · · ·		
Chesley Drive - Mill Road Pi	,					
Crack Fill/Repairs	192ft	\$1,200	1			
1" Asphalt Overlay	11 tons @ \$145/ton	\$1,595	1			
* No curbs		\$0				
Old Landing Park	•					
Repairs	557ft	\$2,652	1 .			
* 1" Asphalt Overlay	25 tons @ \$145/ton	\$3,625	1			
* No curbs	20 tolls @ \$140/toll	\$0	1			
NO CUIDS		190]			
Dennison Road		•				
Demolition	1581ft	\$4,100]			
Crushed Gravel/Loam/Seed		\$6,111	1			
* Asphalt Sidewalk	77 tons @ \$145/ton	\$11,165	1			
No curbs		\$0	J		-	
ESTIMATED COSTS:	PRELIMINARY STUDY, DESIGN	AND ENGINEERING	\$	-		
	FINAL DESIGN AND ENGINEER	ING	\$	-		
	CONSTRUCTION ENGINEERING	OVERSIGHT	\$	=		
	CONSTRUCTION COSTS		\$	30,500		
	CONTINGENCY	•	_\$			
	TOTAL PROJECT COST		\$	30,500	· · · · · · · · · · · · · · · · · · ·	
FINANCING	OPERATING BUDGET		\$	30,500		
	UNH - CASH		\$	-		
	BOND - TOWN PORTION		\$	-		
	UNH PORTION		\$	4		
	FEDERAL/STATE GRANT		\$	-		
	CAPITAL RESERVE ACCOUNT		\$			
	TOTAL FINANCING COSTS		\$	30,500		
IF BONDED:	NUMBER OF YEARS			N/A		
	TOTAL PRINCIPAL		\$	-		
	TOTAL INTEREST		\$			
	TOTAL ESTIMATED COST		\$			



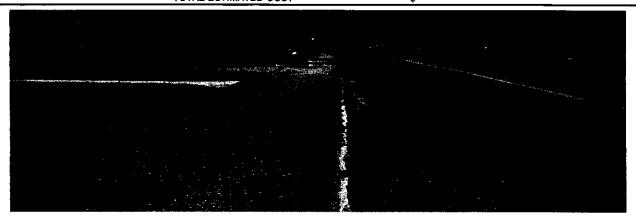
PROJECT YEAR	2020	PROJECT CO	ST		\$23,500	
DESCRIPTION	Sidewalk Improvements -	DEPARTMENT	_		Dublic Marks On an	· · · · ·
***	Dover Road			LATINE :	Public Works - Operal	ions
INIPETUS FOR PROJEC	T (IE. MANDATED, COUNC	IL GUAL, DEP	INII	IATIVE,	E16.)	
Council Goal / Dept. Initiative						
DESCRIPTION (TO INC.	AIDE MICTIFICATION	•				
DESCRIPTION (TO INCL Demolition	2,011ft	\$4,500 .				
* Crushed Gravel/Loam/Seed	'					
Asphalt Sidewalk	85 tons @ \$148/ton	\$6,480			•	
<u> </u>	65 tons @ \$146/ton	\$12,580				
No curbs	ted a long term sidewalk maintenance p	\$0]			
					F3	
•					•	
ESTIMATED COSTS:	PRELIMINARY STUDY, DESIGN A	AND ENGINEERING	\$			
	FINAL DESIGN AND ENGINEERING			No.		
	CONSTRUCTION ENGINEERING OVERSIGHT			_		
	CONSTRUCTION COSTS		\$	23,500		
•	CONTINGENCY		\$			٠
	TOTAL PROJECT COST		\$ ·	23,500	•	
FINANCING	OPERATING BUDGET		\$	23,500	<u> </u>	
	UNH - CASH		\$	· <u>-</u>		
	BOND - TOWN PORTION		\$	_		
	UNH PORTION		\$	_		
	FEDERAL/STATE GRANT		\$	_		
	CAPITAL RESERVE ACCOUNT		\$	4	•	
	TOTAL FINANCING COSTS		\$	23,500	•	
IF BONDED:	NUMBER OF YEARS		*	N/A		
	TOTAL PRINCIPAL		\$			
	TOTAL INTEREST		\$	_		
	TOTAL ESTIMATED COST		\$		•	



•	CAPITAL IMPRO			
PROJECT YEAR	2021	PROJECT CO	ST	\$32,000
DESCRIPTION	Sidewalk Improvements - Faculty Road	DEPARTMENT	Γ .	Public Works - Operations
IMPETUS FOR PROJEC	T (IE. MANDATED, COUNC	IL GOAL, DEP	Γ INITIATIVE,	ETC.)
				,
Council Goal / Dept. Initiative				
DESCRIPTION (TO INCL	UDE JUSTIFICATION)			
* Demolition		\$3,100]	
Crushed Gravel/Loam/Seed	·	\$4,015	1	·
* Granite Curb Reset	1,595ft @ \$8.50/lf	\$13,557] .	
* Sidewalk Asphalt	55 tons @ \$152/ton	\$8,360]	
* Hand Work, Curb Patch	18 tons @ \$152/ton	\$2,736]	,
ine Public Works Department crea	ited a long term sidewalk maintenance	program in 2014, mirro	ring the current road	d program.
ESTIMATED COSTS:	PRELIMINARY STUDY, DESIGN	•		
·	FINAL DESIGN AND ENGINEER	ING	\$ -	
	. CONSTRUCTION ENGINEERING	OVERSIGHT	\$ -	
	CONSTRUCTION COSTS		\$ 32,000	
	CONTINGENCY		_\$ -	_
	TOTAL PROJECT COST		\$ 32,000	
FINANCING	OPERATING BUDGET		\$ 32,000	
	UNH - CASH		\$ ~	
	BOND - TOWN PORTION		\$ -	
	UNH PORTION		\$ -	
	FEDERAL/STATE GRANT		\$ -	
	CAPITAL RESERVE ACCOUNT		_\$	<u>-</u>
·	TOTAL FINANCING COSTS		\$ 32,000	<u> </u>
IF BONDED:	NUMBER OF YEARS		N/A	
	TOTAL PRINCIPAL		\$ -	
	TOTAL INTEREST	•	\$: -	_
	TOTAL ESTIMATED COST		s -	



PROJECT YEAR	2022	PROJECT COS	ST	\$72,500
DESCRIPTION	Sidewalk Improvements - Madbury Rd (Edgewood to Rte 4	DEPARTMENT		Public Works - Operations
IMPETUS FOR PROJEC	T (IE. MANDATED, COUN	CIL GOAL, DEPT	INITIATIVE	E, ETC.)
Council Goal / Dept. Initiative				
DESCRIPTION (TO INCI	_UDE JUSTIFICATION)		···	
* Demolition		\$5,000		
* Crushed Gravel/Loam/Seed		\$8,020		•
* Asphalt Curb	2851ft @ \$12.50/lf	\$35,637		
* Sidewalk Asphalt	120 tons @ \$154/ton	\$18,480		
Hand Work, Curb Patch	35 tons @ \$154/ton	\$5,390		
The Public Works Department crea	ated a long term sidewalk maintenance	program in 2014, mirror	ing the current r	oad program.
ESTIMATED COSTS:	PRELIMINARY STUDY, DESIGN	AND ENGINEERING	s -	
	FINAL DESIGN AND ENGINEER		\$ -	
	CONSTRUCTION ENGINEERIN		¢ _	
	CONSTRUCTION COSTS	O O VERGIOITI	\$ 72,50	20
	CONTINGENCY		\$ -	
	TOTAL PROJECT COST		\$ 72,50	
FINANCING	OPERATING BUDGET	***	\$ 72,50	
	UNH - CASH	•	\$ -	••
	BOND - TOWN PORTION		\$	
	UNH PORTION		· ¢	
	FEDERAL/STATE GRANT	•	φ - • -	
	CAPITAL RESERVE ACCOUNT		\$ -	
	TOTAL FINANCING COSTS		\$ 72.5	
	TOTAL HIAMONIO COSTS		_+ ,_,	
IF RONDED [*]	NUMBER OF VEARS			
IF BONDED:	NUMBER OF YEARS		N/A	,
IF BONDED:	NUMBER OF YEARS TOTAL PRINCIPAL TOTAL INTEREST		N/A \$ -	



	OAI II AE IIII 110	VACIMICIALLICA	איונ	IVI		
PROJECT YEAR	2023	PROJECT CO	ST		. \$17,0	00
DESCRIPTION	Sidewalk Improvements - Emerson Rd	DEPARTMENT	-		Public Works -	
IMPETUS FOR PROJEC	T (IE. MANDATED, COUNC	<u> </u>		TIATIVE. E		
Council Goal / Dept. Initiative		,,		· · · · · · · · · · · · · · · · · · ·		
DESCRIPTION (TO INCL	UDE JUSTIFICATION)					
* Crack fill/ Repairs	1,150ft	\$4,650				•
* 1" Asphalt Overlay	78 tons @ \$154/ton	\$12,012	1			
* No Curb		\$0	1			•
The Public Works Department crea	ted a long term sidewalk maintenance	program in 2014, mirro	i ring th	e current road	program.	
·	·		ŭ			
						•
	•					
ESTIMATED COSTS:						
ESTIMATED COSTS:	PRELIMINARY STUDY, DESIGN		\$	-		
	FINAL DESIGN AND ENGINEER		\$	-		
	CONSTRUCTION ENGINEERING	OVERSIGHT	\$	-		
	CONSTRUCTION COSTS		\$	17,000		
	CONTINGENCY		_\$			
	TOTAL PROJECT COST		\$	17,000	•	<u> </u>
FINANCING	OPERATING BUDGET		\$	17,000		
	UNH - CASH		\$	-	•	
	BOND - TOWN PORTION		\$	-		
	UNH PORTION		\$	٠ -		
	FEDERAL/STATÉ GRANT		\$			
	CAPITAL RESERVE ACCOUNT		\$	-		
<u></u>	TOTAL FINANCING COSTS		\$	17,000		
IF BONDED:	NUMBER OF YEARS			N/A		
	TOTAL PRINCIPAL	,	\$	_		
	TOTAL INTEREST		\$			
	TOTAL ESTIMATED COST		•			



PROJECT YEAR	2024 PF	ROJECT COST	•	\$5,000
DESCRIPTION	Sidewalk Improvements,Pettee Brook P-Lot/Sammy's Market	EPARTMENT		Public Works - Operations
MPETUS FOR PROJEC	T (IE. MANDATED, COUNCIL	GOAL, DEPT I	NITIATIVI	
0 70 40 447	•			,
Council Goal / Dept. Initiative				
DESCRIPTION (TO INCL	UDE JUSTIFICATION)			
* Demolition	239ft \$50	00		
Crushed Gravel/Loam/Seed	\$1,	209		
* Asphalt Sidewalk	20 tons @ \$154/ton \$3,	080		
The Public Works Department crea	ted a long term sidewalk maintenance progr	ram in 2014, mirroring	g the current r	oad program.
•				
	·			
ESTIMATED COSTS:	PRELIMINARY STUDY, DESIGN AND	ENGINEERING \$		
	FINAL DESIGN AND ENGINEERING			
	CONSTRUCTION ENGINEERING OV	ERSIGHT \$. -	
	CONSTRUCTION ENGINEERING OV CONSTRUCTION COSTS	ERSIGHT \$		00
		\$	5,0	•
	CONSTRUCTION COSTS		5,0	
FINANCING	CONSTRUCTION COSTS CONTINGENCY	\$ \$	5,0 - - 5,0	
FINANCING	CONSTRUCTION COSTS CONTINGENCY TOTAL PROJECT COST OPERATING BUDGET	\$ \$ \$	5,0	
FINANCING	CONSTRUCTION COSTS CONTINGENCY TOTAL PROJECT COST OPERATING BUDGET UNH - CASH	\$ \$ \$	5,0	
FINANCING	CONSTRUCTION COSTS CONTINGENCY TOTAL PROJECT COST OPERATING BUDGET UNH - CASH BOND - TOWN PORTION	\$ \$ \$	5,0	
FINANCING	CONSTRUCTION COSTS CONTINGENCY TOTAL PROJECT COST OPERATING BUDGET UNH - CASH BOND - TOWN PORTION UNH PORTION	\$ \$ \$	5,0	
FINANCING	CONSTRUCTION COSTS CONTINGENCY TOTAL PROJECT COST OPERATING BUDGET UNH - CASH BOND - TOWN PORTION UNH PORTION FEDERAL/STATE GRANT	\$ \$ \$ \$ \$ \$	5,0	
FINANCING	CONSTRUCTION COSTS CONTINGENCY TOTAL PROJECT COST OPERATING BUDGET UNH - CASH BOND - TOWN PORTION UNH PORTION FEDERAL/STATE GRANT CAPITAL RESERVE ACCOUNT	\$ \$ \$	5,0	00
	CONSTRUCTION COSTS CONTINGENCY TOTAL PROJECT COST OPERATING BUDGET UNH - CASH BOND - TOWN PORTION UNH PORTION FEDERAL/STATE GRANT CAPITAL RESERVE ACCOUNT TOTAL FINANCING COSTS	\$ \$ \$ \$ \$ \$	5,0 5,0 5,0 5,0	00
	CONSTRUCTION COSTS CONTINGENCY TOTAL PROJECT COST OPERATING BUDGET UNH - CASH BOND - TOWN PORTION UNH PORTION FEDERAL/STATE GRANT CAPITAL RESERVE ACCOUNT TOTAL FINANCING COSTS NUMBER OF YEARS	\$ \$ \$ \$ \$ \$ \$	5,0 - 5,0 5,0 - - - - - - - - - - - - - - - - - - -	00
FINANCING IF BONDED:	CONSTRUCTION COSTS CONTINGENCY TOTAL PROJECT COST OPERATING BUDGET UNH - CASH BOND - TOWN PORTION UNH PORTION FEDERAL/STATE GRANT CAPITAL RESERVE ACCOUNT TOTAL FINANCING COSTS	\$ \$ \$ \$ \$ \$	5,0 5,0 5,0 5,0 5,0 7	00



PROJECT YEAR	2018, 2023-2027	VEH	ICLE COST	\$148,400
DESCRIPTION	Dump Truck 35,000 GVW	/ DEF	ARTMENT	Public Works - Operations
DESCRIPTION (TO	INCLUDE JUSTIFICATION	l):	***	
Purchase of a 35,000 LE	3 GVW (Gross Vehicle Weight) o	dump tru	ck with sand/salt spr	eader, side wing and front plow.
trucks operate up to 8 he front line snow removal	ours per day 4- 5 days a week fo equipment for all Town roads du ouse with this equipment. DPW	or various ring the v	hauling and constru vinter months. The	Town completes all of its snow
2018 Vehicle to be repla	iced: 2008 Ford Sterling		\$148,400	
2023 Vehicle to be repla	•		\$160,200	
2024 Vehicle to be repla	iced: 2013 Peterbilt		\$160,200	
2025 Vehicle to be repla	iced: 2015 International		\$160,300	
2026 Vehicle to be repla	iced: 2015 International		\$162,300	
2027 Vehicle to be repla	and 2016 International		****	
ZUZT VEHICIE LO DE TEPIE	iced. 2010 international		\$164,300	
	PURCHASE PRICE	\$	\$164,300 149,200	<u>.</u>
		\$ \$	· · · · · · · · · · · · · · · · · · ·	
	PURCHASE PRICE	\$ \$ \$	149,200	<u>.</u>
	PURCHASE PRICE ACCESSORIES*	\$	149,200 1,000	
	PURCHASE PRICE ACCESSORIES* LESS TRADE-IN**	\$ \$ \$	149,200 1,000 (1,800) 148,400	
ESTIMATED COST	PURCHASE PRICE ACCESSORIES* LESS TRADE-IN** NET PURCHASE PRICE	\$ \$ \$	149,200 1,000 (1,800) 148,400	

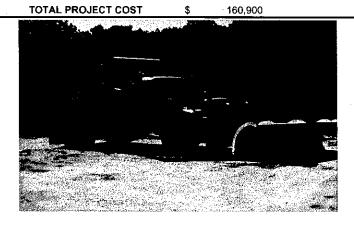
148,400

148,400

148,400

12,500

7



\$

BOND - TOWN PORTION

NUMBER OF YEARS

TOTAL PRINCIPAL

TOTAL INTEREST (EST'D)

IF BONDED:

UNH PORTION
FEDERAL/STATE GRANT
CAPITAL RESERVE ACCOUNT
TOTAL FINANCING COSTS

PROJECT YEAR	2019 and 2020	PROJECT COST	2019 \$85,000 2020 \$513,000
DESCRIPTION	Main Street/Pettee Brook Round- a-bout (design & engineering)		Public Works- Operations

IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)

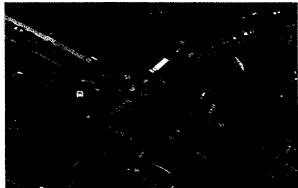
Department Initiative - Component of downtown traffic calming/flow

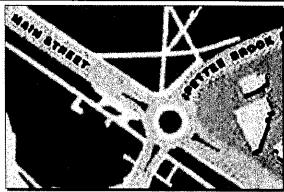
DESCRIPTION (TO INCLUDE JUSTIFICATION)

Several design schemes call for a Round-a-bout on Main Street @ Pettee Brook Lane/Quad Way. This project will compliment recent modification to the downtown flow of traffic by slowing/calming traffic without utilizing mechanical devices. This project **should** be a 50/50 cost split with UNH.

The Town Adminstrator delayed this project to design in 2019 and construction in 2020.

			2019	2020	
ESTIMATED COSTS:	PRELIMINARY STUDY, DESIGN AND ENGINEERING	\$	-	\$ -	
	FINAL DESIGN AND ENGINEERING	\$	85,000	\$	
	CONSTRUCTION ENGINEERING OVERSIGHT	\$	-	\$ -	
	CONSTRUCTION COSTS	\$	-	\$ 488,000	
	CONTINGENCY	\$		\$ 25,000	
	TOTAL PROJECT COST	\$	85,000	\$ 513,000	
FINANCING	OPERATING BUDGET	\$	-	\$ -	
•	UNH - CASH	\$	-	\$ · -	
	BOND - TOWN PORTION	\$	42,500	\$ 256,500	
	UNH PORTION	. \$	42,500	\$ 256,500	
	FEDERAL/STATE GRANT	\$	-	\$ -	
	CAPITAL RESERVE ACCOUNT	\$	je.	\$ <u>-</u>	
	TOTAL FINANCING COSTS	\$ [.]	85,000	\$ 513,000	
IF BONDED:	NUMBER OF YEARS		5	10	
	TOTAL PRINCIPAL	\$	85,000	\$ 513,000	•
	TOTAL INTEREST	\$	3,900	\$ 53,000	
	TOTAL ESTIMATED COST	\$	88,900	\$ 566,000	·





PROJECT YEAR	2019 and 2020	PROJECT COST	2019 \$85,000, 2020 \$921,000
			Public Works-
DESCRIPTION	Oyster River Dam	DEPARTMENT	Operations

IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)

Department Initiative

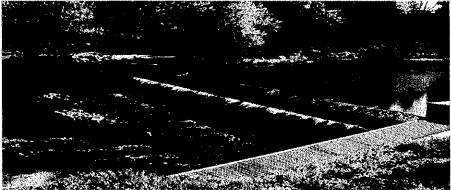
DESCRIPTION (TO INCLUDE JUSTIFICATION)

The Oyster River Dam was originally constructed in 1913. It was built to provide power to the Jenkins Mill that once stood there. It replaced one of the old timber dams that had been built on the Oyster River in the 1600's. The dam was built using the unique Ambursen design; there are eight wails that create nine empty bays that have a spillway structure over the top. The upstream side of the dam angles down into the riverbed and downstream side has a hydrodynamic shaped lip that alloys water to flow efficiently. The dam has a gate structure with two openings which can be opened and closed to reduce head during flood events. In 1975, there was a rehabilitation of the dam. The repairs included patching cracks in the concrete and erosion control around the abutments.

Presently the dam is experiencing concrete cracking, spalling erosion and efflorescence, exposed corroded reinforcing steel is exposed on the downstream face. Foundation footings of the supporting walls are starting to show wear.

In 2011, Dr. David Gress from the University of New Hampshire was hired by the Town of Durham and did extensive research on the dam's condition. After several months of testing he concluded that the Dam's spillway is in good condition and will not need repairs for 10-20 years. This was the main concern regarding the dam's structure. It was documented by Professor Gress that the gates of the dam will need complete replacement in 5 to 10 years and the right embankment will need repair in 5 to 10 years.

			2019		2020
ESTIMATED COSTS:	PRELIMINARY STUDY, DESIGN AND ENGINEERING	\$	85,000	\$	-
	FINAL DESIGN AND ENGINEERING	\$	-	\$	-
	CONSTRUCTION ENGINEERING OVERSIGHT	\$		\$	20,000
•	CONSTRUCTION COSTS	\$	-	\$	703,840
	CONTINGENCY	_\$_	-	\$	197,160
	TOTAL PROJECT COST	\$	85,000	\$	921,000
FINANCING	OPERATING BUDGET	\$	-	\$	-
	UNH - CASH	\$	w	\$	=
	BOND - TOWN PORTION	\$	85,000	\$	921,000
	UNH PORTION	\$	• • •	\$	-
•	FEDERAL/STATE GRANT	\$	=	\$	
	CAPITAL RESERVE ACCOUNT	\$		\$	-
	TOTAL FINANCING COSTS	\$	85,000	\$	921,000
IF BONDED:	NUMBER OF YEARS		5		20
	TOTAL PRINCIPAL	\$	85,000	\$	921,000
	TOTAL INTEREST	\$	5,300	\$ -	238,300
	TOTAL ESTIMATED COST	\$	90,300	\$	1,159,300



PROJECT YEAR	2020	PROJECT COST	\$455,000
DESCRIPTION	Dame Road Paving	DEPARTMENT	Public Works- Operations

IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)

Department Initiative following several conversations with residents.

DESCRIPTION (TO INCLUDE JUSTIFICATION)

DPW has two options to present for the paving of Dame Road.

Roadside ditching and 20 foot wide pavement over 7,000 feet on both the Durham Point Road end and Newmarket Road end of Dame Road.

Durham Point Road end:

· Grading, Pavement- \$108,000

· Drainage-• Tree Removal\$ 9,000 \$ 11,500

Total: \$128,500

Newmarket Road end:

• Grading, Pavement- \$ 82,000

 Drainage-\$ 9,000

 Tree Removal-\$ 11,500 Total: \$102,500

PROJECT TOTAL \$231,000 + contingency

OPTION 2

Pave the entire length of Dame Road:

Pavement-

\$343,000

• Drainage-

\$ 36,000 \$ 34,500

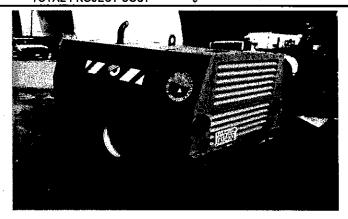
• Tree Removal-PROJECT TOTAL

\$413,500 + contingency

ESTIMATED COSTS			OPTION 1		OPTION 2
	FINAL DESIGN AND ENGINEERING	\$	-	\$	<u>.</u>
	CONSTRUCTION ENGINEERING OVERSIGHT	\$	-	\$	-
	CONSTRUCTION COSTS	\$	231,000	\$	413,500
	CONTINGENCY	_\$_	13,000	\$	41,500
	TOTAL PROJECT COST	\$	244,000	\$	455,000
FINANCING	OPERATING BUDGET	\$	244,000	\$	455,000
	UNH - CASH	\$	-	\$	<u>-</u>
	BOND - TOWN PORTION	\$	-	\$	
	UNH PORTION	\$	-	\$	_
	FEDERAL/STATE GRANT	\$	-	\$	-
	CAPITAL RESERVE ACCOUNT	\$	<u>.</u>	\$	<u> </u>
	TOTAL FINANCING COSTS	\$, 244,000	\$	455,000
IF BONDED	NUMBER OF YEARS		N/A		
	TOTAL PRINCIPAL	\$	-		
	TOTAL INTEREST	_\$_	-	_	
	TOTAL ESTIMATED COST	\$			



		T		
PROJECT YEAR	2020	EQUIPMENT COST		\$17,500
DESCRIPTION	Mobile Air Compressor	DEPA	RTMENT	Public Works - Operations
DESCRIPTION (TO INC	CLUDE JUSTIFICATION):	<u>.</u>		<u>,_ :: </u>
,	,	•		
			•	
Current 2006 Air Compresso	or is scheduled for replacement	in 2020.		
This equipment operates all	of our pneumatic (air driven) to	ols, i.e. p	avement cutter/drills	, outside of the DPW shop.
		,		
•				
	0000 0 W /P / / P /	_		
Equipment to be Replaced:	2006 Sullivan/Palatek D21	0	•	,
FOTHATED COST				
ESTIMATED COST	PURCHASE PRICE	\$	17,500	•
	ACCESSORIES*	\$	-	
	LESS TRADE-IN**	_\$		
	NET PURCHASE PRICE	\$	17,500	
	*Accessories include lighting, radios		misc. equipment.	· · · · · · · · · · · · · · · · · · ·
FINANCING	OPERATING BUDGET	\$	17,500	
	UNH - CASH	\$	- .	
	BOND - TOWN PORTION	\$	-	
	UNH PORTION	\$	-	
	FEDERAL/STATE GRANT	\$	-	
	CAPITAL RESERVE ACCOUNT	\$		
	TOTAL FINANCING COSTS	\$	17,500	<u>.</u>
IF BONDED:	NUMBER OF YEARS		N/A	
	TOTAL PRINCIPAL	\$	-	
	TOTAL INTEREST (EST'D)	\$	<u> </u>	
	TOTAL PROJECT COST	\$	-	



PROJECT YEAR	2022	EQUIPMENT COST	\$53,000
DESCRIPTION	Backhoe Replacement	DEPARTMENT	Public Works- Operations, Water, WW

DESCRIPTION (TO INCLUDE JUSTIFICATION):

Replace the 2006 JCB 4 Wheel Drive Backhoe. This piece of equipment is scheduled for replacement in 2022. The 2006 JCB was on a 12 year replacement schedule, however with the purchase of the rubber tired excavator in 2013, we were able to push this out further due to the excavator picking up a good percentage of the jobs. The machine is an essential piece of equipment for all Public Works Divisions and programs and is used year round. FUNDING: 50% Operations (\$53,000), 25% Water (\$26,500), 25% Wastewater (\$26,500 - of which 66.67% is funded by UNH) will fund this purchase.

Vehicle to be Replaced:

2006 JCB Backhoe

ESTIMATED COST	PURCHASE PRICE	\$	58,000	Operations Portion Only
	ACCESSORIES*	\$	-	
	LESS TRADE-IN**	\$	(5,000)	
	NET PURCHASE PRICE	\$	53,000	
	*Accessories include lighting, radios	s, striping	, misc. equip	ment.
FINANCING	OPERATING BUDGET	\$	53,000	
	UNH - CASH	\$	-	
·	BOND - TOWN PORTION	\$	-	
	UNH PORTION	\$	-	
	FEDERAL/STATE GRANT	\$	-	•
	CAPITAL RESERVE ACCOUNT	\$	-	
	TOTAL FINANCING COSTS	\$	53,000	·
IF BONDED:	NUMBER OF YEARS		N/A	
	TOTAL PRINCIPAL	\$	-	
	TOTAL INTEREST (EST'D)	\$	-	-
	TOTAL PROJECT COST	\$	-	



	\$143,000
DESCRIPTION Roadway Sweeper DEPARTMENT Pu	lic Works - Operations

DESCRIPTION (TO INCLUDE JUSTIFICATION):

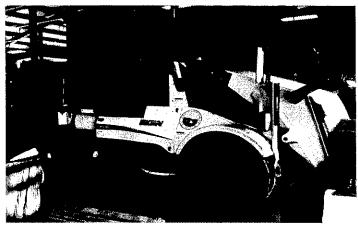
Replacement of 2012 Elgin Roadway Sweeper.

In 2022 the current Elgin Roadway Sweeper will be ten (10) years old and showing signs of deterioration. The DPW sweeps roadways two (2) times per week and for the entire month of March due to winter sanding operations. Broom replacement will run \$600/year.

Vehicle to be Replaced:

2012 Elgin 2000 Series Sweeper

ESTIMATED COST	PURCHASE PRICE	\$	147,000		
	ACCESSORIES*	\$	- -		
	LESS TRADE-IN**	\$. (4,000)		÷
	NET PURCHASE PRICE	\$	143,000		
	*Accessories include lighting, radio	s, stripin	g, misc. equipment		
FINANCING	OPERATING BUDGET	\$	-	·	
	UNH - CASH	\$	_		
	BOND - TOWN PORTION	\$	143,000		
÷	UNH PORTION	\$	-		
	FEDERAL/STATE GRANT	\$	-		
	CAPITAL RESERVE ACCOUNT	\$			
	TOTAL FINANCING COSTS	\$	143,000		
IF BONDED:	NUMBER OF YEARS		7		
	TOTAL PRINCIPAL	\$	143,000		
	TOTAL INTEREST (EST'D)	\$	12,400		
	TOTAL PROJECT COST	\$	155,400		



PROJECT YEAR	2023	VEHICLE COST	\$27,000
DESCRIPTION	1/2 Ton Pick-Up	DEPARTMENT	Public Works - Operations

DESCRIPTION (TO INCLUDE JUSTIFICATION):

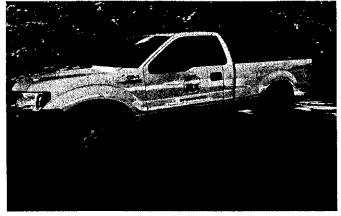
Replace Assistant Director of Operations 2013 F-150 pick-up truck. The truck fleet is currently on a 10 -12 year replacement program. This vehicle is the Assistant Operations Director's daily means of transportation during all work hours. This employee supervises the Operations Division, Building & Grounds Division, Sanitation Division, and Water Division. This vehicle is currently a 2013 F-150 1/2 Ton Pick-up which averages 15,000 miles per year and is scheduled for replacement in 2023.

The current vehicle will be handed down to the Sanitation Division.

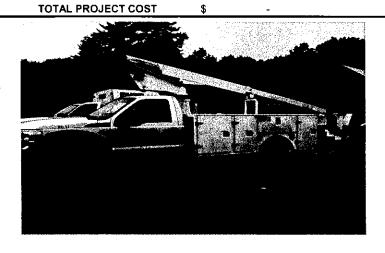
Vehicle to be Replaced:

2013 Ford F-150

ESTIMATED COST	DUBOUAGE BRICE		00.000			
ESTIMATED COST	PURCHASE PRICE	\$	26,000			
	ACCESSORIES*	\$	1,000			
	LESS TRADE-IN**	\$				
	NET PURCHASE PRICE	\$	27,000			
	*Accessories include lighting, radio	s, stripin	g, misc. equipment.			
FINANCING	OPERATING BUDGET	\$	27,000			
	UNH - CASH	\$	-		•	
	BOND - TOWN PORTION	\$	-			
	UNH PORTION	\$	-			
	FEDERAL/STATE GRANT	\$	-			
	CAPITAL RESERVE ACCOUNT	\$	<u>-</u>			
	TOTAL FINANCING COSTS	\$	27,000			
IF BONDED:	NUMBER OF YEARS		N/A			
	TOTAL PRINCIPAL	\$	-			
	TOTAL INTEREST (EST'D)	\$		•		
	TOTAL PROJECT COST	\$_	<u>-</u>			



PROJECT YEAR	2023	VEH	ICLE COST	\$42,000
DESCRIPTION	Aerial Bucket Truck	DEP.	ARTMENT	Public Works - Operations
DESCRIPTION (TO IN	ICLUDE JUSTIFICATION):	:	•	
				. •
	•		•	
	ruck is scheduled for replaceme			
	traffic control devices, repairs a iget impact for this vehicle is an			jects which require a height above
normal maintenance i.e. ti		annuai	state inspection (a	ooo) for the lift mechanism and
		-		
				•
Vehicle to be Replaced:	2011 Ford F-450			,
ESTIMATED COST	PURCHASE PRICE	. \$	47,000	
	ACCESSORIES*	\$	-	
	LESS TRADE-IN**	\$	(5,000)	•
•	NET PURCHASE PRICE	\$	42,000	
	*Accessories include lighting, radio	s, striping	g, misc. equipment.	
FINANCING	OPERATING BUDGET	\$	42,000	·
	UNH - CASH	\$	· -	•
	BOND - TOWN PORTION	\$	-	
	UNH PORTION	\$	-	
	FEDERAL/STATE GRANT	\$	-	
	CAPITAL RESERVE ACCOUNT	_\$	<u> </u>	
	TOTAL FINANCING COSTS	\$	42,000	
IF BONDED:	NUMBER OF YEARS		N/A	



TOTAL INTEREST (EST'D)

PROJECT YEAR	2027	EQUIPMENT COST	\$180,000
DESCRIPTION	Sidewalk Plow Tractor	DEPARTMENT	Public Works - Operations

DESCRIPTION (TO INCLUDE JUSTIFICATION):

Replacement of the current 2012 McClean Sidewalk Snow tractor is needed. The new breed of sidewalk tractors are all multi-functional with many attachment options such as a snow plow, snow blower, dump body (with sand/salt spreader), flail boom mower, front broom and mower deck.

This sidewalk tractor is on a 14 year replacement schedule. Durham has over 14 miles of sidewalks and has always been a walking community. The new sidewalk snow tractor would meet all snow removal, maintenance and de-icing needs. This tractor will also be used during the summer months for misc, projects such as sidewalk sweeping and roadside mowing.

This new tractor will require less maintenance time/dollars due to initial 3 year warranty.

Vehicle to be Replaced:

2012 Mcclean Sidewalk Tractor

ESTIMATED COST	PURCHASE PRICE	\$	106,500		
•	ACCESSORIES*	\$	-		
	LESS TRADE-IN**	\$	<u>-</u>		
,	NET PURCHASE PRICE	\$	106,500		
	*Accessories include lighting, radio	s, stripin	g, misc. equipment.		
FINANCING	OPERATING BUDGET	\$	-		
	UNH - CASH	\$	-		
	BOND - TOWN PORTION	\$	106,500		
	UNH PORTION	\$	-		
	FEDERAL/STATE GRANT	\$	-		
	CAPITAL RESERVE ACCOUNT	\$	<u> </u>		
•	TOTAL FINANCING COSTS	\$	106,500		
IF BONDED:	NUMBER OF YEARS		7		
	TOTAL PRINCIPAL	\$	106,500	4	
	TOTAL INTEREST (EST'D)	_\$	7,400		
	TOTAL PROJECT COST	\$	113,900	·	

