

# ***TOWN OF DURHAM***

## **2020- 2029 CAPITAL IMPROVEMENTS PROGRAM**



***Rough Draft/  
Departmental Submittals***

First Draft  
Planning Board Discussion  
September 2, 2019





DEPARTMENT HEAD PROPOSED  
2020-2029 CAPITAL IMPROVEMENT PROGRAM

[illegible]

**DEPARTMENT HEAD PROPOSED  
2020-2029 CAPITAL IMPROVEMENT PROGRAM**

Page #	Description	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
48	Tower Ladder Replacement														1,240,000
49	<b>Information Technology</b>														
50	IT Equipment Replacement		12,000	19,700	18,000	27,000	22,500	16,500	27,000	17,000	29,500	17,500	20,000	20,000	20,000
51	GIS Program				100,000	70,000	165,000	30,000	30,000	30,000	30,000	30,000	30,000	40,000	40,000
52	<b>Police Department</b>														
53	Vehicle Replacement (Purchase 2/Yr)	64,000	70,000	35,000	90,000	90,800	90,800	90,800	90,800	90,800	90,800	90,800	90,800	90,800	90,800
54	Radio Simulcast Upgrades			20,000		665,000									
55	Mobile Speed Trailer			20,000	80,000	10,000									
56	Flashing Pedestrian Crossing Sign			20,000		4,500									
57	Dynamic Radar Speed Sign					4,000									
58	<b>Public Works- Buildings &amp; Grounds Division</b>														
59	Seasonal Decorative Banners					9,500									
60	Purchase of Solar Panels at Town Facilities					145,000									
61	Commercial Lawnmower					18,800									
62	3/4 Ton Pickup Replacement							30,250							
63	Purchase of Solar Panels at Gravel Pit							850,000							
64	One Ton Dump Truck Replacement											45,600			
65	1/2 Ton Pickup Replacement											25,000			
66	<b>Public Works - Engineering Division</b>														
67	Culvert & Outfalls Program	325,000		75,000		80,000	70,000	85,000							
68	<b>Public Works - Operations Division</b>														
69	Road Resurfacing	344,000	450,000	369,000	420,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000
80	Sidewalk Improvements	81,500	40,000	35,500	90,500	30,500	23,500	72,500	17,000	5,000					
86	Pedestrian Bridge over Oyster River				234,700	114,000									
87	Oyster River Dam (Mill Pond)				300,000		5,000,000								
88	Mobile Air Compressor							17,500							
89	Backhoe Replacement (cost split w/Water & WW)							53,000							
90	Roadway Sweeper							143,000							
91	Dame Road Paving								455,000						
92	1/2 Ton Pickup Replacement								27,000						
93	Aerial Bucket Truck								42,000						
94	Dump Truck Replacement	142,000		148,400					178,600	185,900	193,200	200,500	200,500		
99	Sidewalk Plow Tractor Replacement		106,500										106,500		
100	<b>Public Works - Sanitation Division</b>														
101	30 CY Rolloff Containers				28,500	15,000									
102	Roll-off Truck					197,500									
103	Front End Loader						205,000								
104	Skid Steer								42,000						
105	Refuse Collection Vehicle Replacement									247,000					
106	Recycling Collection Vehicle Replacement										261,000				
107	<b>WATER FUND</b>														
108	Water Extension - Dover Rd to Bagdad/Canney				350,000	475,000									
109	Dover Road 8" Water Main					400,000									
110	Town/UNH Shared Water System Improvements		70,000	70,000	70,000	70,000	70,000	70,000	70,000						
111	Wiswall Dam Spillway						490,000								
112	Madbury Road Water Line Replacement						700,000	975,000							

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## 2020 CAPITAL IMPROVEMENT PROGRAM

Description	Operating Budget	UNH Cash	Bonding		State & Federal	Capital Reserve	Grants, Trade & Other	Total
			Town	UNH				
<b>General Fund</b>								
Business/Assessing								
4-Year Cyclical Update - Assessing	\$ 31,250							\$ 31,250
Fire Department								
Fire Station Improvements			\$ 37,500	\$ 37,500				\$ 75,000
Radio Simulcast Upgrades			\$ 360,000	\$ 360,000				\$ 720,000
Medic 1 Replacement			\$ 62,500	\$ 62,500				\$ 125,000
Deputy Chief Vehicle Replacement (Car 3)						\$ 70,000		\$ 70,000
Washing Extractor/Dryer Purchase						\$ 16,500		\$ 16,500
Vehicle Exhaust Extraction System						\$ 60,000		\$ 60,000
Automated External Defibrillators (AED's)						\$ 18,000		\$ 18,000
Forestry Unit Retrofitting						\$ 3,500		\$ 3,500
Information Technology								
IT Equipment Replacement	\$ 27,000							\$ 27,000
GIS Program (Flyover)	\$ 70,000							\$ 70,000
Police Department								
Vehicle Replacement	\$ 90,800							\$ 90,800
Radio Simulcast Upgrades			\$ 665,000					\$ 665,000
Mobile Speed Trailer	\$ 10,000							\$ 10,000
Flashing Pedestrian Crossing Sign	\$ 4,500							\$ 4,500
Dynamic Radar Speed Sign	\$ 4,000							\$ 4,000
Public Works								
Buildings & Grounds Division								
Seasonal Decorative Banners	\$ 9,500							\$ 9,500
Purchase of Solar Panels			\$ 145,000					\$ 145,000
Commercial Lawnmower	\$ 18,800							\$ 18,800
Engineering Division								
Culvert & Outfalls Program	\$ 80,000							\$ 80,000
Operations Division								
Road Resurfacing	\$ 450,000							\$ 450,000
Sidewalk Improvements	\$ 30,500							\$ 30,500
Pedestrian Bridge over Oyster River			\$ 114,000					\$ 114,000
Sanitation Division								
30 CY Rolloff Containers	\$ 15,000							\$ 15,000
Roll-off Truck Replacement			\$ 197,500					\$ 197,500
<b>Total General Fund</b>	<b>\$ 841,350</b>	<b>\$ -</b>	<b>\$ 1,581,500</b>	<b>\$ 460,000</b>	<b>\$ -</b>	<b>\$ 168,000</b>	<b>\$ -</b>	<b>\$ 3,050,850</b>
<b>Water Fund</b>								
Water Extension - Dover Road to Bagdad/Canney			\$ 475,000					\$ 475,000
Dover Road 8" Water Main			\$ 400,000					\$ 400,000
Town/UNH Shared Water System Improvements	\$ 70,000							\$ 70,000
<b>Total Water Fund</b>	<b>\$ 70,000</b>	<b>\$ -</b>	<b>\$ 875,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 945,000</b>

## 2020 CAPITAL IMPROVEMENT PROGRAM

<b>Wastewater Fund</b>								
Wastewater Facilities Plan			\$ 141,667	\$ 283,333				\$ 425,000
WWTP Major Components Contingency	\$ 16,667	\$ 33,333						\$ 50,000
Collection System Repair/Upgrade (Town/UNH)	\$ 10,000	\$ 20,000						\$ 30,000
Collection System Repair/Upgrade (Town Only)			\$ 65,000					\$ 65,000
<b>Total Wastewater Fund</b>	<b>\$ 26,667</b>	<b>\$ 53,333</b>	<b>\$ 206,667</b>	<b>\$ 283,333</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 570,000</b>

<b>Parking Fund</b>								
Replace VenTex Parking Kiosks			\$ 104,000					\$ 104,000
<b>Total Parking Fund</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 104,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 104,000</b>

<b>Churchill Rink Fund</b>								
Renovations			\$ 1,832,000					\$ 1,832,000
<b>Total Churchill Rink Fund</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,832,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,832,000</b>

<b>Downtown TIF District Fund</b>								
Downtown Structured Parking			\$ 3,500,000					\$ 3,500,000
Purchase of Parking Lot (Sammy's Lot)			\$ 800,000				\$ 700,000	\$ 1,500,000
<b>Total Downtown TIF District Fund</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 700,000</b>	<b>\$ 5,000,000</b>

<b>TOTAL ALL FUNDS</b>	<b>\$ 938,017</b>	<b>\$ 53,333</b>	<b>\$ 8,899,167</b>	<b>\$ 743,333</b>	<b>\$ -</b>	<b>\$ 168,000</b>	<b>\$ 700,000</b>	<b>\$ 11,501,850</b>
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\*Purchase of Parking Lot - \$700,000 Parking Impact Fees

## 2021 CAPITAL IMPROVEMENT PROGRAM

Description	Operating Budget	UNH Cash	Bonding		State & Federal	Capital Reserve	Grants, Trade & Other	Total
			Town	UNH				
<b>General Fund</b>								
Business/Assessing								
4-Year Cyclical Update - Assessing	\$ 31,250							\$ 31,250
Financial Software Package			\$ 300,000					\$ 300,000
Fire Department								
Thermal Imaging Camera						\$ 12,000		\$ 12,000
Automated CPR Device						\$ 16,000		\$ 16,000
Utility Vehicle Replacement						\$ 55,000		\$ 55,000
Fire Station Alerting System						\$ 50,000		\$ 50,000
SCBA Washing Machine						\$ 22,000		\$ 22,000
Information Technology								
IT Equipment Replacement	\$ 22,500							\$ 22,500
GIS Program			\$ 165,000					\$ 165,000
Police Department								
Vehicle Replacement	\$ 90,800							\$ 90,800
Public Works								
Engineering Division								
Culvert & Outfalls Program	\$ 70,000							\$ 70,000
Operations Division								
Road Resurfacing	\$ 450,000							\$ 450,000
Sidewalk Improvements	\$ 23,500							\$ 23,500
Oyster River Dam (Mill Pond)			\$ 5,000,000					\$ 5,000,000
Sanitation Division								
Front End Loader Replacement			\$ 205,000					\$ 205,000
<b>Total General Fund</b>	<b>\$ 688,050</b>	<b>\$ -</b>	<b>\$ 5,670,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 155,000</b>	<b>\$ -</b>	<b>\$ 6,513,050</b>
<b>Water Fund</b>								
Town/UNH Shared Water System Improvements	\$ 70,000							\$ 70,000
Wiswall Dam Spillway			\$ 490,000					\$ 490,000
Madbury Road Water Line Replacement			\$ 700,000					\$ 700,000
<b>Total Water Fund</b>	<b>\$ 70,000</b>	<b>\$ -</b>	<b>\$ 1,190,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,260,000</b>
<b>Wastewater Fund</b>								
Wastewater Facilities Plan			\$ 141,667	\$ 283,333				\$ 425,000
WWTP Major Components Contingency	\$ 16,667	\$ 33,333						\$ 50,000
<b>Total Wastewater Fund</b>	<b>\$ 16,667</b>	<b>\$ 33,333</b>	<b>\$ 141,667</b>	<b>\$ 283,333</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 475,000</b>
<b>Parking Fund</b>								
Replace VenTex Parking Kiosks			\$ 104,000					\$ 104,000
<b>Total Parking Fund</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 104,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 104,000</b>
<b>TOTAL ALL FUNDS</b>	<b>\$ 774,717</b>	<b>\$ 33,333</b>	<b>\$ 7,105,667</b>	<b>\$ 283,333</b>	<b>\$ -</b>	<b>\$ 155,000</b>	<b>\$ -</b>	<b>\$ 8,352,050</b>

## 2022 CAPITAL IMPROVEMENT PROGRAM

Description	Operating Budget	UNH Cash	Bonding		State & Federal	Capital Reserve	Grants, Trade & Other	Total
			Town	UNH				
General Fund								
Business/Assessing								
4-Year Cyclical Update - Assessing	\$ 31,250							\$ 31,250
Fire Department								
Fire Station Improvements			\$ 75,000	\$ 75,000				\$ 150,000
Assistant Chief Vehicle Replacement (Car 2)						\$ 75,000		\$ 75,000
Turnout Gear Replacement						\$ 90,000		\$ 90,000
Water Rescue Craft Replacement						\$ 19,000		\$ 19,000
Information Technology								
IT Equipment Replacement	\$ 16,500							\$ 16,500
GIS Program	\$ 30,000							\$ 30,000
Police Department								
Vehicle Replacement	\$ 90,800							\$ 90,800
Public Works								
Buildings & Grounds Division								
3/4 Ton Pickup Replacement			\$ 30,250					\$ 30,250
Purchase of Solar Panels (Lee Solar Array)			\$ 850,000					\$ 850,000
Engineering Division								
Culvert & Outfalls Program	\$ 85,000							\$ 85,000
Operations Division								
Road Resurfacing	\$ 450,000							\$ 450,000
Sidewalk Improvements	\$ 72,500							\$ 72,500
Mobile Air Compressor	\$ 17,500							
Backhoe Replacement (split w/Water & WW)			\$ 53,000					\$ 53,000
Roadway Sweeper			\$ 143,000					\$ 143,000
Total General Fund	\$ 793,550	\$ -	\$ 1,151,250	\$ 75,000	\$ -	\$ 184,000	\$ -	\$ 2,203,800
Water Fund								
Town/UNH Shared Water System Improvements	\$ 70,000							\$ 70,000
Madbury Road Waterline Replacement			\$ 975,000					\$ 975,000
Backhoe Replacement (split w/Operations & WW)			\$ 26,500					\$ 26,500
One Ton Utility Truck Replacement			\$ 40,000					\$ 40,000
Total Water Fund	\$ 70,000	\$ -	\$ 1,041,500	\$ -	\$ -	\$ -	\$ -	\$ 1,111,500
Wastewater Fund								
Wastewater Facilities Plan			\$ 141,667	\$ 283,333				\$ 425,000
WWTP Major Components Contingency	\$ 16,667	\$ 33,333						\$ 50,000
Backhoe Replacement (split w/Operations & Water)			\$ 8,800	\$ 17,700				\$ 26,500
Commercial Lawn Mower	\$ 5,833	\$ 11,667						\$ 17,500
Total Wastewater Fund	\$ 22,500	\$ 45,000	\$ 150,467	\$ 301,033	\$ -	\$ -	\$ -	\$ 519,000
Parking Fund								
Replace VenTex Parking Kiosks			\$ 104,000					\$ 104,000
Total Parking Fund	\$ -	\$ -	\$ 104,000	\$ -	\$ -	\$ -	\$ -	\$ 104,000
TOTAL ALL FUNDS	\$ 92,500	\$ 45,000	\$ 254,467	\$ 301,033	\$ -	\$ -	\$ -	\$ 3,938,300



## 2023 CAPITAL IMPROVEMENT PROGRAM

Description	Operating Budget	UNH Cash	Bonding		State & Federal	Capital Reserve	Grants, Trade & Other	Total
			Town	UNH				
<b>General Fund</b>								
Business/Assessing								
4-Year Cyclical Update - Assessing	\$ 31,250							\$ 31,250
Full Revaluation - Assessing			\$ 69,000					\$ 69,000
Fire Department								
Thermal Imaging Camera						\$ 12,000		\$ 12,000
Utility Vehicle and Trailer						\$ 41,000		\$ 41,000
Replace and Update Microwave Link			\$ 90,000	\$ 90,000				\$ 180,000
Tanker Refurbishment			\$ 75,000	\$ 75,000				\$ 150,000
Information Technology								
IT Equipment Replacement	\$ 27,000							\$ 27,000
GIS Program	\$ 30,000							\$ 30,000
Police Department								
Vehicle Replacement	\$ 90,000							\$ 90,800
Public Works								
Operations Division								
Road Resurfacing	\$ 450,000							\$ 450,000
Sidewalk Improvements	\$ 17,000							\$ 17,000
Dame Road Paving			\$ 455,000					\$ 455,000
1/2 Ton Pickup Replacement			\$ 27,000					\$ 27,000
Aerial Bucket Truck Replacement			\$ 42,000					\$ 42,000
Dump Truck Replacement			\$ 178,600					\$ 178,600
Sanitation Division								
Skid Steer Replacement			\$ 42,000					\$ 42,000
<b>Total General Fund</b>	<b>\$ 645,250</b>	<b>\$ -</b>	<b>\$ 978,600</b>	<b>\$ 165,000</b>	<b>\$ -</b>	<b>\$ 53,000</b>	<b>\$ -</b>	<b>\$ 1,842,650</b>
<b>Water Fund</b>								
Town/UNH Shared Water System Improvements	\$ 70,000							\$ 70,000
<b>Total Water Fund</b>	<b>\$ 70,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 70,000</b>
<b>Wastewater Fund</b>								
Wastewater Facilities Plan			\$ 141,667	\$ 283,333				\$ 425,000
WWTP Major Components Contingency	\$ 16,667	\$ 33,333						
WWTP Phase III			\$ 950,000	\$ 1,900,000				\$ 2,850,000
<b>Total Wastewater Fund</b>	<b>\$ 16,667</b>	<b>\$ 33,333</b>	<b>\$ 1,091,667</b>	<b>\$ 2,183,333</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,325,000</b>
<b>TOTAL ALL FUNDS</b>	<b>\$ 731,917</b>	<b>\$ 33,333</b>	<b>\$ 2,070,267</b>	<b>\$ 2,348,333</b>	<b>\$ -</b>	<b>\$ 53,000</b>	<b>\$ -</b>	<b>\$ 5,237,650</b>

## 2024 CAPITAL IMPROVEMENT PROGRAM

Description	Operating Budget	UNH Cash	Bonding		State & Federal	Capital Reserve	Grants, Trade & Other	Total
			Town	UNH				
<b>General Fund</b>								
Economic Development								
Technology Drive Infrastructure Improvements			\$ 2,145,000					\$ 2,145,000
Fire Department								
Chief Vehicle Replacement (Car 1)						\$ 75,000		\$ 75,000
Fire Prevention Vehicle Replacement (Car 4)						\$ 35,000		\$ 35,000
Rescue 1 Replacement			\$ 250,000	\$ 250,000				\$ 500,000
Information Technology								
IT Equipment Replacement	\$ 17,000							\$ 17,000
GIS Program	\$ 30,000							\$ 30,000
Police Department								
Vehicle Replacement	\$ 90,800							\$ 90,800
Public Works								
Operations Division								
Road Resurfacing	\$ 450,000							\$ 450,000
Sidewalk Improvements	\$ 5,000							\$ 5,000
Dump Truck Replacement			\$ 185,900					\$ 185,900
Sanitation Division								
Refuse Collection Vehicle			\$ 247,000					\$ 247,000
<b>Total General Fund</b>	<b>\$ 592,800</b>	<b>\$ -</b>	<b>\$ 2,827,900</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ 110,000</b>	<b>\$ -</b>	<b>\$ 3,780,700</b>

<b>Water Fund</b>								
<b>Total Water Fund</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

<b>Wastewater Fund</b>								
Wastewater Facilities Plan			\$ 141,667	\$ 283,333				\$ 425,000
WWTP Major Components Contingency	\$ 16,667	\$ 33,333						\$ 50,000
<b>Total Wastewater Fund</b>	<b>\$ 16,667</b>	<b>\$ 33,333</b>	<b>\$ 141,667</b>	<b>\$ 283,333</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 475,000</b>

<b>TOTAL ALL FUNDS</b>	<b>\$ 609,467</b>	<b>\$ 33,333</b>	<b>\$ 2,969,567</b>	<b>\$ 533,333</b>	<b>\$ -</b>	<b>\$ 110,000</b>	<b>\$ -</b>	<b>\$ 4,255,700</b>
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## 2025 CAPITAL IMPROVEMENT PROGRAM

Description	Operating Budget	UNH Cash	Bonding		State & Federal	Capital Reserve	Grants, Trade & Other	Total
			Town	UNH				
<b>General Fund</b>								
Fire Department								
Thermal Imaging Camera						\$ 12,000		\$ 12,000
Forestry Unit Replacement						\$ 80,600		\$ 80,600
New Fire Station			\$ 4,000,000	\$ 16,000,000				\$ 20,000,000
Engine 1 Refurbishment			\$ 125,000	\$ 125,000				\$ 250,000
Information Technology								
IT Equipment Replacement	\$ 29,500							\$ 29,500
GIS Program	\$ 30,000							\$ 30,000
Police Department								
Vehicle Replacement	\$ 90,800							\$ 90,800
Public Works								
Operations Division								
Road Resurfacing	\$ 450,000							\$ 450,000
Dump Truck Replacement			\$ 193,200					\$ 193,200
Sanitation Division								
Recycling Collection Vehicle Replacement			\$ 261,000					\$ 261,000
<b>Total General Fund</b>	<b>\$ 600,300</b>	<b>\$ -</b>	<b>\$ 4,579,200</b>	<b>\$ 16,125,000</b>	<b>\$ -</b>	<b>\$ 92,600</b>	<b>\$ -</b>	<b>\$ 21,397,100</b>

<b>Water Fund</b>								
<b>Total Water Fund</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

<b>Wastewater Fund</b>								
Wastewater Facilities Plan			\$ 141,667	\$ 283,333				\$ 425,000
WWTP Major Components Contingency	\$ 16,667	\$ 33,333						\$ 50,000
<b>Total Wastewater Fund</b>	<b>\$ 16,667</b>	<b>\$ 33,333</b>	<b>\$ 141,667</b>	<b>\$ 283,333</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 475,000</b>

<b>TOTAL ALL FUNDS</b>	<b>\$ 616,967</b>	<b>\$ 33,333</b>	<b>\$ 4,720,867</b>	<b>\$ 16,408,333</b>	<b>\$ -</b>	<b>\$ 92,600</b>	<b>\$ -</b>	<b>\$ 21,872,100</b>
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## 2026 CAPITAL IMPROVEMENT PROGRAM

Description	Operating Budget	UNH Cash	Bonding		State & Federal	Capital Reserve	Grants, Trade & Other	Total
			Town	UNH				
<b>General Fund</b>								
Fire Department								
SCBA Replacements			\$ 110,000	\$ 110,000				\$ 220,000
Airbags for Vehicle Extrication						\$ 10,000		\$ 10,000
Mobile Radio Upgrades - Year 1 of 3						\$ 45,000		\$ 45,000
Information Technology								
IT Equipment Replacement	\$ 17,500							\$ 17,500
GIS Program	\$ 30,000							\$ 30,000
Police Department								
Vehicle Replacement	\$ 90,800							\$ 90,800
Public Works								
Buildings & Grounds Division								
One Ton Dump Truck Replacement			\$ 45,600					\$ 45,600
1/2 Ton Pickup Replacement			\$ 25,000					\$ 25,000
Operations Division								
Road Resurfacing	\$ 450,000							\$ 450,000
Dump Truck Replacement			\$ 200,500					\$ 200,500
<b>Total General Fund</b>	<b>\$ 588,300</b>	<b>\$ -</b>	<b>\$ 381,100</b>	<b>\$ 110,000</b>	<b>\$ -</b>	<b>\$ 55,000</b>	<b>\$ -</b>	<b>\$ 1,134,400</b>

<b>Water Fund</b>								
<b>Total Water Fund</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

<b>Wastewater Fund</b>								
Wastewater Facilities Plan			\$ 141,667	\$ 283,333				\$ 425,000
WWTP Major Components Contingency	\$ 16,667	\$ 33,333						\$ 50,000
<b>Total Wastewater Fund</b>	<b>\$ 16,667</b>	<b>\$ 33,333</b>	<b>\$ 141,667</b>	<b>\$ 283,333</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 475,000</b>

<b>TOTAL ALL FUNDS</b>	<b>\$ 604,967</b>	<b>\$ 33,333</b>	<b>\$ 522,767</b>	<b>\$ 393,333</b>	<b>\$ -</b>	<b>\$ 55,000</b>	<b>\$ -</b>	<b>\$ 1,609,400</b>
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## 2027 CAPITAL IMPROVEMENT PROGRAM

Description	Operating Budget	UNH Cash	Bonding		State & Federal	Capital Reserve	Grants, Trade & Other	Total
			Town	UNH				
<b>General Fund</b>								
Fire Department								
Thermal Imaging Camera						\$ 12,000		\$ 12,000
Portable Radio Replacements						\$ 45,000		\$ 45,000
Information Technology								
IT Equipment Replacement	\$ 20,000							\$ 20,000
GIS Program	\$ 30,000							\$ 30,000
Police Department								
Vehicle Replacement	\$ 90,800							\$ 90,800
Public Works								
Operations Division								
Road Resurfacing	\$ 450,000							\$ 450,000
Dump Truck Replacement			\$ 200,500					\$ 200,500
Sidewalk Plow Tractor			\$ 106,500					\$ 106,500
<b>Total General Fund</b>	<b>\$ 590,800</b>	<b>\$ -</b>	<b>\$ 307,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 57,000</b>	<b>\$ -</b>	<b>\$ 954,800</b>

<b>Water Fund</b>								
<b>Total Water Fund</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

<b>Wastewater Fund</b>								
WWTP Major Components Contingency	\$ 16,667	\$ 33,333						\$ 50,000
<b>Total Wastewater Fund</b>	<b>\$ 16,667</b>	<b>\$ 33,333</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>

<b>TOTAL ALL FUNDS</b>	<b>\$ 607,467</b>	<b>\$ 33,333</b>	<b>\$ 307,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 57,000</b>	<b>\$ -</b>	<b>\$ 1,004,800</b>
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## 2028 CAPITAL IMPROVEMENT PROGRAM

Description	Operating Budget	UNH Cash	Bonding		State & Federal	Capital Reserve	Grants, Trade & Other	Total
			Town	UNH				
<b>General Fund</b>								
Fire Department								
Portable Radio Replacements						\$ 45,000		\$ 45,000
Information Technology								
IT Equipment Replacement	\$ 20,000							\$ 20,000
GIS Program	\$ 40,000							\$ 40,000
Police Department								
Vehicle Replacement	\$ 90,800							\$ 90,800
Public Works								
Operations Division								
Road Resurfacing	\$ 450,000							\$ 450,000
<b>Total General Fund</b>	<b>\$ 600,800</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45,000</b>	<b>\$ -</b>	<b>\$ 645,800</b>

<b>Water Fund</b>								
<b>Total Water Fund</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

<b>Wastewater Fund</b>								
WWTP Major Components Contingency	\$ 16,667	\$ 33,333						\$ 50,000
<b>Total Wastewater Fund</b>	<b>\$ 16,667</b>	<b>\$ 33,333</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>

<b>TOTAL ALL FUNDS</b>	<b>\$ 617,467</b>	<b>\$ 33,333</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45,000</b>	<b>\$ -</b>	<b>\$ 695,800</b>
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## 2029 CAPITAL IMPROVEMENT PROGRAM

Description	Operating Budget	UNH Cash	Bonding		State & Federal	Capital Reserve	Grants, Trade & Other	Total
			Town	UNH				
<b>General Fund</b>								
Fire Department								
Defibrillator Replacement						\$ 75,000		\$ 75,000
Tower Ladder Replacement			\$ 620,000	\$ 620,000				\$ 1,240,000
Information Technology								
IT Equipment Replacement	\$ 20,000							\$ 20,000
GIS Program	\$ 40,000							\$ 40,000
Police Department								
Vehicle Replacement	\$ 90,800							\$ 90,800
Public Works								
Operations Division								
Road Resurfacing	\$ 450,000							\$ 450,000
<b>Total General Fund</b>	<b>\$ 600,800</b>	<b>\$ -</b>	<b>\$ 620,000</b>	<b>\$ 620,000</b>	<b>\$ -</b>	<b>\$ 75,000</b>	<b>\$ -</b>	<b>\$ 1,915,800</b>

<b>Water Fund</b>								
<b>Total Water Fund</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

<b>Wastewater Fund</b>								
WWTP Major Components Contingency	\$ 16,667	\$ 33,333						\$ 50,000
<b>Total Wastewater Fund</b>	<b>\$ 16,667</b>	<b>\$ 33,333</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>

<b>TOTAL ALL FUNDS</b>	<b>\$ 617,467</b>	<b>\$ 33,333</b>	<b>\$ 620,000</b>	<b>\$ 620,000</b>	<b>\$ -</b>	<b>\$ 75,000</b>	<b>\$ -</b>	<b>\$ 1,965,800</b>
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# **DEPARTMENT HEAD PROPOSED 2020-2029 CAPITAL IMPROVEMENT PROGRAM**

Description	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
<i>Business Department</i>										
4-Year Cyclical Update - Assessing	31,250	31,250	31,250	31,250						
Municipal Software Package		300,000								
Full Revaluation - Assessing				69,000						
<b>BUSINESS TOTALS</b>	31,250	331,250	31,250	100,250						



## CAPITAL IMPROVEMENT PROGRAM

<b>PROJECT YEAR</b>	2020 - 2023	<b>PROJECT COST</b>	\$125,000 (\$31,250 per year)
<b>DESCRIPTION</b>	4-Year Cyclical Update	<b>DEPARTMENT</b>	Assessing
<b>IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)</b>			
<p>The impetus for proposing a 4-year cyclical update as opposed to a full revaluation (1-Year revaluation) is purely financial. A full revaluation would cost approximately \$150,000 as opposed to \$125,000 for a 4-year cyclical update (cost figures supplied by Municipal Resources, Inc.). The reason for the cost savings is because it would guarantee the company performing the work employment for 4 years. Also, a 1-year revaluation would require the company to hire additional employees at considerable expense. A 4-Year Cyclical Update is the process of re-measuring and inspecting all taxable and nontaxable properties in a municipality over a 3-year period and revising the assessments during the 4th year. It is the same thing as a "full revaluation" spread out over a 4-year period. The project would begin in 2020 and end in 2023. Properties must be "valued anew" every 5 years per Article 6 of the NH Constitution. The last full revaluation was completed in 2003.</p>			
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION)</b>			
Update Residential and Commercial Assessments - (Contractor(s) to be determined through RFP process.)			
Update University Properties - In House by Assessor			
<p>There are five major phases to a municipal revaluation: Data Collection, Market Analysis, Valuation, Field Review, and Informal Hearings. During these phases many tasks will be implemented in order to successfully complete the revaluation.</p> <p><b>PHASE 1: DATA COLLECTION</b>            During this phase "Data Collectors" visit each property over a 3-year period and physically inspect the interior and measure the exterior of each building. These Data Collectors note the buildings' location, size, age, quality of construction, improvements, topography, utilities, zoning restrictions, if any, and numerous other characteristics both inside and out. To confirm that a home was inspected, the homeowner is asked to sign a data collection form to verify that the inspection took place. The entire process takes about 15 minutes for most residential properties and longer for commercial properties depending on size. The data collected is subject to verification by the New Hampshire Department of Revenue Administration and a Supervisor from each appraisal company.            Also, income and expense questionnaires will be sent to all commercial and utility properties requesting data to assist in valuing each property utilizing the Income Approach method of valuation. Representatives from each company will carry Picture IDs, Municipal Letters of Introduction, and have their vehicles listed with both the Assessor's Office and Police Department.</p> <p><b>PHASE 2: MARKET ANALYSIS</b>            A variety of resources are used to analyze the real estate market. While the physical data is being collected by the Data Collectors, Appraisal Personnel will be analyzing property sales that took place over the last two years to determine which market factors influenced property values. The appraisal companies will gather and use information from The Registry of Deeds, property managers, developers, and local real estate professionals. Once all the data is collected and reviewed for accuracy, the appraiser will determine land values and delineate neighborhoods as determined by actual market activity.</p> <p><b>PHASE 3: VALUATION</b>            Valuation is done using one of the three recognized appraisal methods: Cost Approach, Income Approach and Sales Comparable Approach.            During this phase, individual characteristics of the building are analyzed using information gathered in both phases 1 and 2. Each property is compared to other comparable properties with similar characteristics. Then the market values of the improvements are added to the land value that was previously determined. This value is the final estimate for each parcel of property, building and land.</p> <p><b>PHASE 4: FIELD REVIEW</b>            Field Review is the method of checking and re-checking both the values that have been determined and the data that has been collected. During this review, properties are viewed in the field by experienced appraisers who double-check uniformity and accuracy of information.</p> <p><b>PHASE 5: INFORMAL HEARINGS</b>            Once the Field Review is completed, a notice indicating the revised assessment will be mailed to each property owner. At that time anyone with questions concerning the revaluation process or about the data collected on their property will have an opportunity to meet with a staff member to discuss their property's value.</p> <p>After all five phases are completed, all data, files, records, etc. used in the revaluation will be turned over to the Assessor's Office for retention.</p>			
<b>FUTURE YEARS - 4-YEAR CYCLICAL UPDATE</b>			
Beginning in 2020, Durham will undergo a 4-year Cyclical Update. Between 2020 and 2022, 33% of all of the properties will be measured and listed (exterior measurements and interior inspections) each year for data accuracy. In 2023, all property assessments will be updated to reflect market value as of April 1, 2023.			
<b>ESTIMATED COSTS:</b>	<b>CONTRACTED SERVICES</b>	\$	125,000
<b>FINANCING</b>	<b>OPERATING BUDGET</b>	\$	31,250 PER YEAR
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	-
	UNH PORTION	\$	-
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	<b>TOTAL COSTS</b>	\$	125,000

# CAPITAL IMPROVEMENT PROGRAM

<b>PROJECT YEAR</b>	2021	<b>PROJECT COST</b>	\$300,000
<b>DESCRIPTION</b>	Municipal Software Package	<b>DEPARTMENT</b>	Business
<b>IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)</b>			
Department Initiative			
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION)</b>			
<p>Our current software package which is used for managing finance, accounts receivable, accounts payable, budgeting, payroll, purchase orders, building permits, water and sewer management, property tax management, fixed assets, cash receipting and general ledger was installed in 2006. We know in talking with the developer that they are no longer supporting or adding new features and only fixing "bugs" at this point with our support dollars. A feature we are looking to add with new software would be the ability to interface with the current Police, Fire and Town Clerk software. We are also looking at the possibility of moving to a cloud based solution and possibly a subscription based model.</p> <p>*NOTE: This cost may increase as we are looking at software packages that may incorporate other departmental needs, as well as the financial aspect. A group has been established to look at options.</p>			
<b>ESTIMATED COSTS:</b>	<b>PURCHASE AND INSTALLATION</b>	\$	300,000
	<b>TOTAL PROJECT COST</b>	\$	300,000
<b>FINANCING</b>	<b>OPERATING BUDGET</b>	\$	-
	<b>UNH - CASH</b>	\$	-
	<b>BOND - TOWN PORTION</b>	\$	300,000
	<b>BOND - UNH PORTION</b>	\$	-
	<b>FEDERAL/STATE GRANT</b>	\$	-
	<b>CAPITAL RESERVE ACCOUNT</b>	\$	-
	<b>TOTAL FINANCING COSTS</b>	\$	300,000
<b>IF BONDED:</b>	<b>NUMBER OF YEARS</b>		7
	<b>TOTAL PRINCIPAL</b>	\$	300,000
	<b>TOTAL INTEREST</b>	\$	27,000
	<b>TOTAL ESTIMATED COST</b>	\$	327,000





## CAPITAL IMPROVEMENT PROGRAM

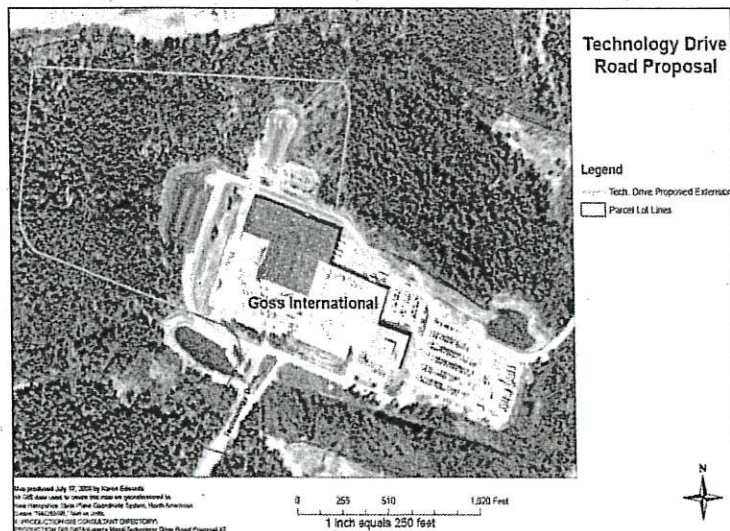
<b>PROJECT YEAR</b>	2023	<b>PROJECT COST</b>	\$69,000
<b>DESCRIPTION</b>	Full Revaluation	<b>DEPARTMENT</b>	Assessing
<b>IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)</b>			
"Full revaluation" means the measuring and "listing" (inspecting) all properties within municipality to arrive at full and true value as of April 1. Properties must be "valued anew" every 5 years per NH Constitution. The last statistical update was completed in 2018.			
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION)</b>			
Update Commercial and Residential Assessments - Municipal Resources, Inc. - estimate = \$40,500			
Update University Property Assessments - In House by Assessor			
There are five major phases to a full revaluation: Data Collection, Market Analysis, Valuation, Field Review, and Informal Hearings. During these phases many tasks will be implemented in order to successfully complete the revaluation.			
<p><b>PHASE 1: DATA COLLECTION</b></p> <p>During this phase "Data Collectors" go to all properties within municipality and physically inspect the interior and measure the exterior of each building. These Data Collectors note the buildings' location, size, age, quality of construction, improvements, topography, utilities, zoning restrictions, if any, and numerous other characteristics both inside and out. To confirm that a home was inspected, the homeowner is asked to sign a data collection form to verify that the inspection took place. The entire process takes about 15 minutes for most properties. The data collected is subject to verification by the New Hampshire Department of Revenue Administration and a Supervisor from each appraisal company.</p> <p>Also, income and expense questionnaires will be sent to all commercial and utility properties requesting data to assist in valuing each property utilizing the Income Approach method of valuation. Representatives from each company will carry Picture IDs, Municipal Letters of Introduction, and have their vehicles listed with both the Assessor's Office and Police Department.</p>			
<p><b>PHASE 2: MARKET ANALYSIS</b></p> <p>A variety of resources are used to analyze the real estate market. While the physical data is being collected by the Data Collectors, Appraisal Personnel will be analyzing property sales that took place over the last two years to determine which market factors influenced property values. The appraisal companies will gather and use information from The Registry of Deeds, property managers, developers, and local real estate professionals. Once all the data is collected and reviewed for accuracy, the appraiser will determine land values and delineate neighborhoods as determined by actual market activity.</p>			
<p><b>PHASE 3: VALUATION</b></p> <p>Valuation is done using one of the three recognized appraisal methods: Cost Approach, Income Approach and Sales Comparable Approach.</p> <p>During this phase, individual characteristics of the building are analyzed using information gathered in both phases 1 and 2. Each property is compared to other comparable properties with similar characteristics. Then the market values of the improvements are added to the land value that was previously determined. This value is the final estimate for each parcel of property, building and land.</p>			
<p><b>PHASE 4: FIELD REVIEW</b></p> <p>Field Review is the method of checking and re-checking both the values that have been determined and the data that has been collected. During this review, properties are viewed in the field by experienced appraisers who double-check uniformity and accuracy of information.</p>			
<p><b>PHASE 5: INFORMAL HEARINGS</b></p> <p>Once the Field Review is completed, a notice indicating the revised assessment will be mailed to each property owner. At that time anyone with questions concerning the revaluation process or about the data collected on their property will have an opportunity to meet with a staff member to discuss their property's value.</p> <p>After all five phases are completed, all data, files, records, etc. used in the revaluation will be turned over to the Assessor's Office for retention.</p>			
<b>FUTURE YEARS - 2028 STATISTICAL UPDATE</b>			
In 2028, all property assessments will be updated to reflect market value as of April 1, 2028.			
<b>ESTIMATED COSTS:</b>	<b>CONTRACTED SERVICES</b>	\$	69,000
<b>FINANCING</b>	<b>OPERATING BUDGET</b>	\$	69,000
	<b>UNH - CASH</b>	\$	-
	<b>BOND - TOWN PORTION</b>	\$	-
	<b>UNH PORTION</b>	\$	-
	<b>FEDERAL/STATE GRANT</b>	\$	-
	<b>CAPITAL RESERVE ACCOUNT</b>	\$	-
	<b>TOTAL COSTS</b>	\$	69,000

**DEPARTMENT HEAD PROPOSED  
2020-2029 CAPITAL IMPROVEMENT PROGRAM**

Description	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
<i>Economic Development</i>										
Technology Drive Infrastructure Improvement					2,145,000					
<b>ECON. DEVELOPMENT TOTALS</b>	-	-	-	-	2,145,000	-	-	-	-	-

# CAPITAL IMPROVEMENT PROGRAM

<b>PROJECT YEAR</b>	2024	<b>PROJECT COST</b>	\$2,145,000
<b>DESCRIPTION</b>	Technology Drive Infrastructure Improvements	<b>DEPARTMENT</b>	Economic Development
<b>IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)</b>			
Extending municipal utilities and road to the area to help spur commercial development and help to stabilize taxes in Durham. The area is zoned for commercial development and is an attractive area if infrastructure is in place.			
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION)</b>			
Extension of 4,260 feet of roadway and sewer line in and around Technology Drive and Beech Hill Road to allow for further commercial development in the area. The water line already runs up Technology Drive to the Beech Hill water tank.			
<b>ESTIMATED COSTS:</b>	PRELIMINARY STUDY, DESIGN AND ENGINEERING	\$	-
	FINAL DESIGN AND ENGINEERING	\$	162,000
	CONSTRUCTION ENGINEERING OVERSIGHT	\$	-
	CONSTRUCTION COSTS	\$	1,983,000
	CONTINGENCY	\$	-
	<b>TOTAL PROJECT COST</b>	\$	<b>2,145,000</b>
<b>FINANCING</b>	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	2,145,000
	BOND - UNH PORTION	\$	-
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	<b>TOTAL FINANCING COSTS</b>	\$	<b>2,145,000</b>
<b>IF BONDED:</b>	NUMBER OF YEARS		20
	TOTAL PRINCIPAL	\$	2,145,000
	TOTAL INTEREST	\$	900,900
	<b>TOTAL ESTIMATED COST</b>	\$	<b>3,045,900</b>





# DEPARTMENT HEAD PROPOSED 2020-2029 CAPITAL IMPROVEMENT PROGRAM

Description	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
<b>Fire Department</b>										
Fire Station Improvements	75,000	150,000	150,000							
Radio Simulcast Upgrades	720,000									
Medic 1 Replacement	125,000									
Deputy Chief Vehicle Replacement (Car 3)	70,000									
Washing Extractor/Dryer Purchase	16,500									
Vehicle Exhaust Extraction System	60,000									
Automated External Defibrillators (AED's)	18,000									
Forestry Unit Retrofitting	3,500									
Thermal Imaging Camera		12,000		12,000		12,000		12,000		
Automated CPR Device		16,000								
Utility Vehicle Replacement (Silverado)		55,000								
Fire Station Alerting System		50,000								
SCBA Washing Machine		22,000								
Asst. Chief Vehicle Replacement (Car 2)			75,000							
Turnout Gear Replacement			90,000							
Water Rescue Craft Replacemet			19,000							
Utility Vehicle and Trailer				41,000						
Replace and Update Microwave Link				180,000						
Tanker Refurbishment				150,000						
Chief Vehicle Replacement (Car 1)					75,000					
Fire Prevention Vehicle Replacement (Car 4)					35,000					
Rescue 1 Replacement					500,000					
Forestry Unit Replacement						80,600				
New Fire Station						20,000,000				
Engine 1 Refurbishment						250,000				
SCBA Replacements							220,000			
Airbags for Vehicle Extrication Replacement							10,000			
Portable Radio Replacements							45,000	45,000	45,000	
Defibrillator Replacement										75,000
Tower Ladder Replacement										1,240,000
<b>FIRE TOTALS</b>	<b>1,089,000</b>	<b>305,000</b>	<b>334,000</b>	<b>383,000</b>	<b>610,000</b>	<b>20,342,600</b>	<b>275,000</b>	<b>57,000</b>	<b>45,000</b>	<b>1,315,000</b>

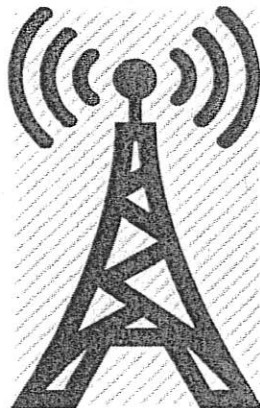
# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2020	PROJECT COST	\$75,000
DESCRIPTION	Fire Station Improvements	DEPARTMENT	Fire Department
DESCRIPTION (TO INCLUDE JUSTIFICATION):			
This proposal is to provide additional funding to further update and renovate portions of the fire station in preparation for extending the lease of the building beyond 2025. In 2019 the Fire Department acquired two additional service bays and CIP funding to renovate the space allowing the relocation of functional areas of the administrative staff and functions. Since this time the fire station has experienced catastrophic flooding on the ground floor, making the previous option much less desirable. Additional space in the UNH Service Building has been targeted for acquisition and renovation for the administrative functions of the Fire Prevention Bureau. This requested funding is intended to be combined with the \$320,000 funded in the 2019 CIP to expand the scope of renovations to cover additional space, as well as improving functionality and incorporating health and safety features into the existing station.			
Project goals include constructing a space for SCBA maintenance and the compressor, relocating the station and PPE and station laundry areas, replacing firefighter lockers in living quarters, and relocating the fitness training area.			
ESTIMATED COSTS:	PRELIMINARY STUDY, DESIGN AND ENGINEERING	\$	-
	FINAL DESIGN AND ENGINEERING	\$	-
	CONSTRUCTION ENGINEERING OVERSIGHT	\$	-
	CONSTRUCTION COSTS (including equipment)	\$	75,000
	CONTINGENCY	\$	-
	TOTAL PROJECT COST	\$	75,000
FINANCING:	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	37,500
	BOND - UNH PORTION	\$	37,500
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	75,000
			*Funded 50/50 by Town and UNH
IF BONDED:	NUMBER OF YEARS	\$	10
	TOTAL PRINCIPAL	\$	75,000
	TOTAL INTEREST (EST'D)	\$	14,000
	TOTAL PROJECT COST	\$	89,000



# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2020	PROJECT COST	\$720,000
DESCRIPTION	Radio Simulcast Upgrades	DEPARTMENT	Fire Department
DESCRIPTION (TO INCLUDE JUSTIFICATION):			
<p>In 2018 funds were used to review the plan being developed to upgrade to digital communications, including expanding and relocating radio simulcast sites.</p> <p>The plan is to upgrade to digital communications simulcast radio which will replace all our fixed analog radio equipment, which will reach its recommended service life.</p> <p>This will replace and upgrade our primary radio system consisting of repeaters and receivers. This system was put in place in 2007, the year before we first came on board with Strafford County Dispatch, and support is scheduled to expire in 2020. Land Mobile Radio (LMR) infrastructure updates include replacing fire primary and paging base station, remote site receivers and voting comparator. New equipment will be future ready supporting digital TDMA (Time Division Multiple Access) operation and mandated RF efficiency standards.</p>			
ESTIMATED COSTS:			
	PRELIMINARY STUDY, DESIGN AND ENGINEERING	\$	-
	FINAL DESIGN AND ENGINEERING	\$	-
	CONSTRUCTION ENGINEERING OVERSIGHT	\$	-
	CONSTRUCTION COSTS (including equipment)	\$	720,000
	CONTINGENCY	\$	-
	TOTAL PROJECT COST	\$	720,000
FINANCING:			
	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	360,000
	BOND - UNH PORTION	\$	360,000
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	720,000
IF BONDED:			
	NUMBER OF YEARS		10
	TOTAL PRINCIPAL	\$	720,000
	TOTAL INTEREST (EST'D)	\$	138,950
	TOTAL PROJECT COST	\$	858,950





# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR		2020	VEHICLE COST		\$125,000
DESCRIPTION		Medic 1 Replacement	DEPARTMENT		Fire Department
DESCRIPTION (TO INCLUDE JUSTIFICATION):					
<p>Medic 1 (2010 Ford F-350 4x4) is the Fire Department's primary EMS rapid response vehicle which responds first-due to medical aids in conjunction with a transport ambulance. The vehicle is equipped and staffed to provide advanced life support level care. To insure reliability as a front-line emergency response EMS vehicle it is necessary to replace on a 10 year schedule.</p> <p>The replacement vehicle is equipped with emergency warning systems, two-way radio communications, and medical equipment. The versatility of this vehicle requires a configuration which can separate the firefighter's PPE from medical equipment as well as easy access to EMS equipment and supplies. Current fire station physical size limitations are also driving a redesign of the apparatus configuration of cabinet doors.</p> <p>The existing 2010 F-350 is proposed to be downgraded to be repurposed and reconfigured into a forestry unit for the Fire Department and is anticipated to extend the CIP replacement of the forestry unit by two years.</p> <p>Vehicle to be replaced: 2010 Ford F-350 4x4 with utility box</p>					
ESTIMATED COST		PURCHASE PRICE	\$	89,000	
		ACCESSORIES*	\$	36,000	
		LESS TRADE-IN**	\$	-	
		NET PURCHASE PRICE	\$	125,000	
*Accessories include lighting, radios, striping, misc. equipment.					
FINANCING		OPERATING BUDGET	\$	-	
		UNH - CASH	\$	-	
		BOND - TOWN PORTION	\$	62,500	
		BOND - UNH PORTION	\$	62,500	
		FEDERAL/STATE GRANT	\$	-	
		CAPITAL RESERVE ACCOUNT	\$	-	*Funded 50/50 by Town and UNH
		TOTAL FINANCING COSTS	\$	125,000	
IF BONDED:		NUMBER OF YEARS		10	
		TOTAL PRINCIPAL	\$	125,000	
		TOTAL INTEREST (EST'D)	\$	16,000	
		TOTAL PROJECT COST	\$	141,000	



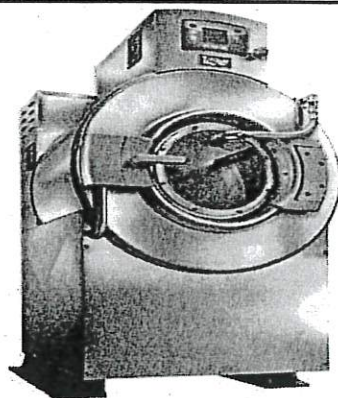
# CAPITAL IMPROVEMENT PROGRAM

<b>PROJECT YEAR</b>	2020	<b>PROJECT COST</b>	\$70,000
<b>DESCRIPTION</b>	Deputy Chief Vehicle Replacement (Car 3)	<b>DEPARTMENT</b>	Fire Department
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION):</b>			
<p>In 2016 the 2010 Chevy Tahoe was reassigned to the Deputy Chief of Fire Prevention and is used for day-to-day community risk reduction activities such as inspections, public education, incident management/command, and fire investigations. This vehicle should be replaced with a comparable command vehicle which has been estimated to be outfit with the supporting functional accessories.</p> <p>After 10 years of front-line service this vehicle should be replaced. Repair costs and reliability as emergency vehicles make it necessary to replace this vehicle. The existing 2010 Chevy Tahoe will be traded in or listed with Town surplus for repurposing.</p> <p>Vehicle to be replaced: 2010 Chevy Tahoe</p>			
<b>ESTIMATED COST</b>	<b>PURCHASE PRICE</b>	\$	45,000
	<b>ACCESSORIES*</b>	\$	25,000
	<b>LESS TRADE-IN**</b>	\$	-
	<b>NET PURCHASE PRICE</b>	\$	70,000
*Accessories include lighting, radios, striping, misc. equipment.			
<b>FINANCING</b>	<b>OPERATING BUDGET</b>	\$	-
	<b>UNH - CASH</b>	\$	-
	<b>BOND - TOWN PORTION</b>	\$	-
	<b>BOND - UNH PORTION</b>	\$	-
	<b>FEDERAL/STATE GRANT</b>	\$	-
	<b>CAPITAL RESERVE ACCOUNT</b>	\$	70,000
	<b>TOTAL FINANCING COSTS</b>	\$	70,000
*Funded 50/50 by Town and UNH			
<b>IF BONDED:</b>	<b>NUMBER OF YEARS</b>	N/A	
	<b>TOTAL PRINCIPAL</b>	\$	-
	<b>TOTAL INTEREST (EST'D)</b>	\$	-
	<b>TOTAL PROJECT COST</b>	\$	-



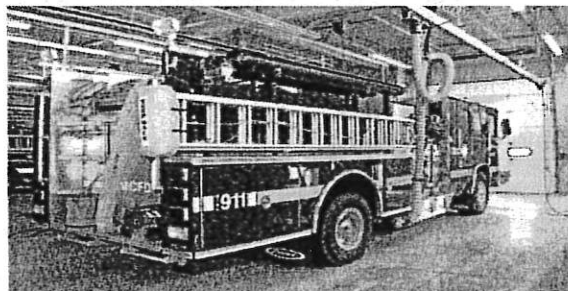
# **CAPITAL IMPROVEMENT PROGRAM**

<b>PROJECT YEAR</b>		2020	<b>EQUIPMENT COST</b>	\$16,500
<b>DESCRIPTION</b>		Washing Machine Extractor Purchase	<b>DEPARTMENT</b>	Fire Department
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION):</b>				
<p>This purchase is to replace a +/- 24 year-old washing machine extractor in the fire station with a Milnor 30022T6X 60 lb. Classic Washer W/ Gear Guardian or equivalent. This unit is used to launder, clean, and disinfect firefighting personal protective equipment (PPE) and medical gear after it has been exposed and contaminated by a variety of EMS undesirables or particulate matter during regular use (not just after big fires or EMS calls). This equipment allows the department to provide a level of health and safety for the staff's gear and equipment which is aligned with industry standards and current cancer presumption practices.</p>				
<b>ESTIMATED COST</b>	<b>PURCHASE PRICE</b>	\$	17,000	
	<b>ACCESSORIES*</b>	\$	-	
	<b>LESS TRADE-IN**</b>	\$	500	
	<b>NET PURCHASE PRICE</b>	\$	16,500	
	*Accessories include lighting, radios, striping, misc. equipment.			
<b>FINANCING</b>	<b>OPERATING BUDGET</b>	\$	-	
	<b>UNH - CASH</b>	\$	-	
	<b>BOND - TOWN PORTION</b>	\$	-	
	<b>BOND - UNH PORTION</b>	\$	-	
	<b>FEDERAL/STATE GRANT</b>	\$	-	
	<b>CAPITAL RESERVE ACCOUNT</b>	\$	16,500	*Funded 50/50 by Town and UNH
	<b>TOTAL FINANCING COSTS</b>	\$	16,500	
<b>IF BONDED:</b>	<b>NUMBER OF YEARS</b>	N/A		
	<b>TOTAL PRINCIPAL</b>	\$	-	
	<b>TOTAL INTEREST (EST'D)</b>	\$	-	
	<b>TOTAL PROJECT COST</b>	\$	-	



# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR2020		PROJECT COST\$60,000	
DESCRIPTIONVehicle Exhaust Extraction System		DEPARTMENTFire Department	
DESCRIPTION (TO INCLUDE JUSTIFICATION):			
<p>The projected goal for this project is to bring a healthier quality of life to our firefighters, families of the firefighters and visitors to the fire station by complying with NFPA 1500 – 2018 edition section 10.1.5* and eliminate 100% exposure to diesel exhaust by replacing an existing system and installing in its place a new Exhaust Extraction System. The proposed Exhaust Extraction system has been independently tested and verified to be capable of capturing 100% of the exhaust emissions at the point of generation by making an airtight seal around the exhaust pipe by using a pneumatic grabber with virtually 100% source capture. This positive seal prevents gases from escaping inside the fire station. The vehicle exhaust extraction system will utilize an automatic control panel which is UL tested and certified and is designed to automatically energize the exhaust blower when any vehicle engine is started and is connected to the exhaust extractor and all the exhaust emissions are extracted through a filtered system, which will capture 99% emissions before extracted to the outside of the building. Receiving and executing this projected goal will allow the Durham Fire Department to fall into compliance with NIOSH, OSHA, IMC (International Mechanical code) standards and codes for hazardous material exhaust control systems. A source capture system as defined by IMC 2015 edition is “areas in which stationary motor vehicles are operated shall be provided with a source capture system connected directly to the motor vehicle exhaust system”.</p>			
ESTIMATED COST		PURCHASE PRICE	
		\$	60,000
		ACCESSORIES*	
		\$	-
		LESS TRADE-IN**	
		\$	-
		NET PURCHASE PRICE	
		\$	60,000
*Accessories include lighting, radios, striping, misc. equipment.			
FINANCING		OPERATING BUDGET	
		\$	-
		UNH - CASH	
		\$	-
		BOND - TOWN PORTION	
		\$	-
		BOND - UNH PORTION	
		\$	-
		FEDERAL/STATE GRANT	
		\$	-
		CAPITAL RESERVE ACCOUNT	
		\$	60,000
*Funded 50/50 by Town and UNH			
		TOTAL FINANCING COSTS	
		\$	60,000
IF BONDED:		NUMBER OF YEARS	
		N/A	
		TOTAL PRINCIPAL	
		\$	-
		TOTAL INTEREST (EST'D)	
		\$	-
		TOTAL PROJECT COST	
		\$	-





# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2020	COST	\$18,000
DESCRIPTION	Automated External Defibrillators (AEDs)	DEPARTMENT	Fire Department
DESCRIPTION (TO INCLUDE JUSTIFICATION):			
<p>The Fire Department purchased 13 Philips Automated External Defibrillators (AEDs) in 2008. They are maintained in staff vehicles, second due fire apparatus, and with detail crews at special events. The existing Philips AEDs have been and are subject to several FDA recalls, are difficult to service, and are at the end of their 10-year service life. This proposal is to purchase 13 replacement Zoll AEDs which will complete the department's transition from Phillips to Zoll cardiac monitors and AEDs, placing the fire department and EMS transport provider with fully compatible cardiac monitor platforms. The vendor has noted that there is little to no trade in value for the existing equipment.</p>			
ESTIMATED COST	PURCHASE PRICE	\$	18,000
	ACCESSORIES*	\$	-
	LESS TRADE-IN**	\$	-
	NET PURCHASE PRICE	\$	18,000
*Accessories include lighting, radios, striping, misc. equipment.			
FINANCING	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	-
	BOND - UNH PORTION	\$	-
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	18,000
	TOTAL FINANCING COSTS	\$	18,000
*Funded 50/50 by Town and UNH			
IF BONDED:	NUMBER OF YEARS	N/A	
	TOTAL PRINCIPAL	\$	-
	TOTAL INTEREST (EST'D)	\$	-
	TOTAL PROJECT COST	\$	-



# **CAPITAL IMPROVEMENT PROGRAM**

<b>PROJECT YEAR</b>	2020	<b>VEHICLE COST</b>	\$3,500
<b>DESCRIPTION</b>	<i>Forestry Unit Replacement</i>	<b>DEPARTMENT</b>	<i>Fire Department</i>
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION):</b>			
<p>This proposal is to replace the existing 2007 F-350 4x4 Forestry Unit with the existing Medic Unit (2010 F-350 4x4 with utility body). Downgrading the 2010 F-350 Medic to a secondary response unit is an acceptable use for the vehicle given its current condition. This apparatus shift will provide a utility box to suitably enclose forestry tools and equipment which are currently stored in the back of an open pick-up body and provide a more suitable GVW capacity for the tank/pump. This estimated cost includes modifications to the utility box to accommodate the tank, pump, tools, and equipment.</p> <p>The existing 2007 Ford F-350 4x4 is proposed to be downgraded to serve as a fleet utility vehicle to tow the department's water and technical rescue trailer units as well as for transporting training props, equipment, and contaminated equipment back to the fire station for decontamination.</p> <p>Vehicle to be replaced: 2007 Ford F-350 4x4</p>			
<b>ESTIMATED COST</b>	<b>PURCHASE PRICE</b>	\$	-
	<b>ACCESSORIES*</b>	\$	3,500
	<b>LESS TRADE-IN**</b>	\$	-
	<b>NET PURCHASE PRICE</b>	\$	3,500
*Accessories include lighting, radios, striping, misc. equipment.			
<b>FINANCING</b>	<b>OPERATING BUDGET</b>	\$	-
	<b>UNH - CASH</b>	\$	-
	<b>BOND - TOWN PORTION</b>	\$	-
	<b>BOND - UNH PORTION</b>	\$	-
	<b>FEDERAL/STATE GRANT</b>	\$	-
	<b>CAPITAL RESERVE ACCOUNT</b>	\$	3,500
	<b>TOTAL FINANCING COSTS</b>	\$	3,500
*Funded 50/50 by Town and UNH			
<b>IF BONDED:</b>	<b>NUMBER OF YEARS</b>	N/A	
	<b>TOTAL PRINCIPAL</b>	\$	-
	<b>TOTAL INTEREST (EST'D)</b>	\$	-
	<b>TOTAL PROJECT COST</b>	\$	-



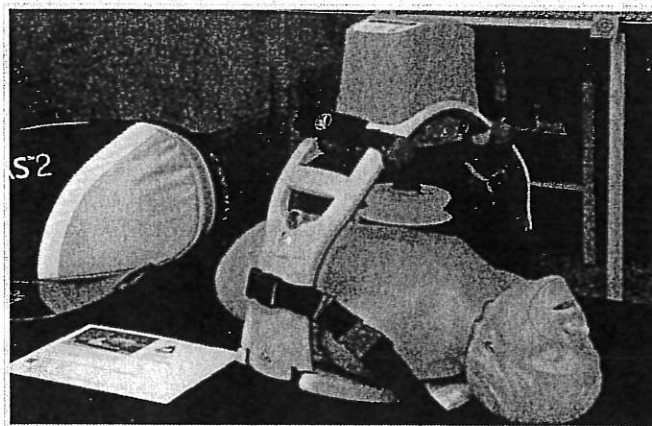
# CAPITAL IMPROVEMENT PROGRAM

<b>PROJECT YEAR</b>		2021-2023-2025-2027	<b>EQUIPMENT COST</b>	\$12,000 per year
<b>DESCRIPTION</b>		Thermal Imaging Camera	<b>DEPARTMENT</b>	Fire Department
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION):</b>				
<p>This proposal is to replace one of the department's thermal imaging cameras as it reaches the end of its service life. Using Infra-red technology, the thermal imaging camera is used to locate the seat of a fire as well as locating victims in a hazardous environment where visibility is at a minimum or non-existent (due to smoke or products of combustion). It is extremely useful in locating burning light ballasts, overheated electrical equipment and appliances. It is used by the first in crew to locate hidden fires and/or the heat sources. It is a staple piece of equipment of our Rapid Intervention Team (downed firefighter rescue). This device can be used to locate people in or on the water, and we have used it in searches for missing, lost or injured persons in the cold weather and at night. This camera will replace the oldest unit in inventory and will be deployed on the first due apparatus.</p>				
<b>ESTIMATED COST</b>		<b>PURCHASE PRICE</b>	\$	12,000
		<b>ACCESSORIES*</b>	\$	-
		<b>LESS TRADE-IN**</b>	\$	-
		<b>NET PURCHASE PRICE</b>	\$	12,000
*Accessories include lighting, radios, striping, misc. equipment.				
<b>FINANCING</b>		<b>OPERATING BUDGET</b>	\$	-
		<b>UNH - CASH</b>	\$	-
		<b>BOND - TOWN PORTION</b>	\$	-
		<b>BOND - UNH PORTION</b>	\$	-
		<b>FEDERAL/STATE GRANT</b>	\$	-
		<b>CAPITAL RESERVE ACCOUNT</b>	\$	12,000
		<b>TOTAL FINANCING COSTS</b>	\$	12,000
*Funded 50/50 by Town and UNH				
<b>IF BONDED:</b>		<b>NUMBER OF YEARS</b>	N/A	
		<b>TOTAL PRINCIPAL</b>	\$	-
		<b>TOTAL INTEREST (EST'D)</b>	\$	-
		<b>TOTAL PROJECT COST</b>	\$	-



# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR		2021	COST		\$16,000
DESCRIPTION		Automated CPR Device	DEPARTMENT		Fire Department
DESCRIPTION (TO INCLUDE JUSTIFICATION):					
This proposal is to purchase one Automated Chest Compression Device which provides continuous CPR at the correct rate and depth for EMS providers. Automated CPR devices lessens fatigue on providers and ensures consistent CPR performance while moving, carrying, loading, and unloading the patient. It allows automation of CPR and maximizes responder resources, permitting staff to focus on Advanced Life Support treatments which include administration of ALS cardiac medications, initiate fluid resuscitation, and treating underlying causes of the cardiac arrest. The Fire Department has responded to twelve cardiac-related incidents where this type of equipment could have been used over the past three years. This proposal is for new EMS equipment that the department does not currently own or operate.					
ESTIMATED COST	PURCHASE PRICE		\$	16,000	
	ACCESSORIES*		\$	-	
	LESS TRADE-IN**		\$	-	
	NET PURCHASE PRICE		\$	16,000	
*Accessories include lighting, radios, striping, misc. equipment.					
FINANCING	OPERATING BUDGET		\$	-	
	UNH - CASH		\$	-	
	BOND - TOWN PORTION		\$	-	
	BOND - UNH PORTION		\$	-	
	FEDERAL/STATE GRANT		\$	-	
	CAPITAL RESERVE ACCOUNT		\$	16,000	*Funded 50/50 by Town and UNH
	TOTAL FINANCING COSTS		\$	16,000	
IF BONDED:	NUMBER OF YEARS		N/A		
	TOTAL PRINCIPAL		\$	-	
	TOTAL INTEREST (EST'D)		\$	-	
	TOTAL PROJECT COST		\$	-	





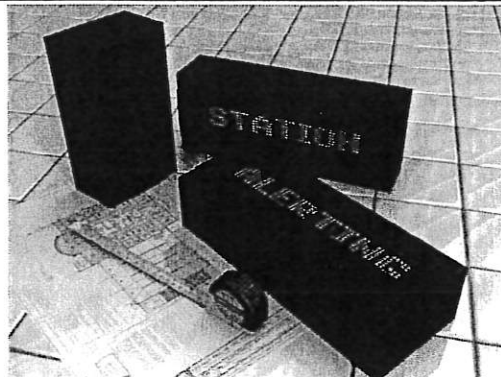
# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR		2021	VEHICLE COST		\$55,000
DESCRIPTION		Utility Vehicle Replacement	DEPARTMENT		Fire Department
DESCRIPTION (TO INCLUDE JUSTIFICATION):					
This proposal is to replace the department's Utility after 10 years of service with a similar vehicle. This vehicle is equipped with a radio and emergency lighting.					
Vehicle to be replaced: 2013 Chevy Silverado					
ESTIMATED COST		PURCHASE PRICE			
		\$	55,000		
		ACCESSORIES*			
		\$	-		
		LESS TRADE-IN**			
		\$	-		
		NET PURCHASE PRICE			
		\$	55,000		
*Accessories include lighting, radios, striping, misc. equipment.					
FINANCING		OPERATING BUDGET			
		\$	-		
		UNH - CASH			
		\$	-		
		BOND - TOWN PORTION			
		\$	-		
		BOND - UNH PORTION			
		\$	-		
		FEDERAL/STATE GRANT			
		\$	-		
		CAPITAL RESERVE ACCOUNT			
		\$	55,000	*Funded 50/50 by Town and UNH	
		TOTAL FINANCING COSTS			
		\$	55,000		
IF BONDED:		NUMBER OF YEARS			
		N/A			
		TOTAL PRINCIPAL			
		\$	-		
		TOTAL INTEREST (EST'D)			
		\$	-		
		TOTAL PROJECT COST			
		\$	-		



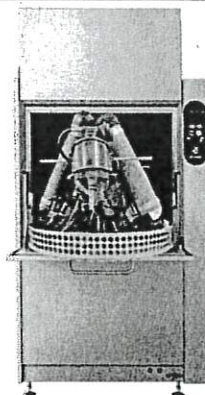
# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR		2021	EQUIPMENT COST		\$50,000
DESCRIPTION			Fire Station Alerting System		
DEPARTMENT			Fire Department		
DESCRIPTION (TO INCLUDE JUSTIFICATION):					
<p>This proposal is to replace the existing analog radio-based fire station equipment with an alerting system that is compatible with the next generation of digital radio communications and designed to integrate the dispatch CAD system. (There will be components located at the fire station and dispatch center.) The system allows responders to be notified of an incoming incident (as dispatch is notified) with ramping tones, audio message, and by turning on designated lights in the station while turning off appliances such as the kitchen stove. The proposed system meets the National Fire Protection Associations (NFPA) 1221 (Standard for the Installation, Maintenance, and Use of Emergency Services Communications Systems). The goal of this proposal is to help units respond more quickly and efficiently, increase responder situational awareness and mental preparedness, and to reduce cardiac stress and anxiety with ramped tones.</p> <p>The existing system will not work with digital radio communications and is not capable of modification.</p>					
ESTIMATED COST		PURCHASE PRICE		\$	50,000
		ACCESSORIES*		\$	-
		LESS TRADE-IN**		\$	-
		NET PURCHASE PRICE		\$	50,000
*Accessories include lighting, radios, striping, misc. equipment.					
FINANCING		OPERATING BUDGET		\$	-
		UNH - CASH		\$	-
		BOND - TOWN PORTION		\$	-
		BOND - UNH PORTION		\$	-
		FEDERAL/STATE GRANT		\$	-
		CAPITAL RESERVE ACCOUNT		\$	50,000
		TOTAL FINANCING COSTS		\$	50,000
*Funded 50/50 by Town and UNH					
IF BONDED:		NUMBER OF YEARS		N/A	
		TOTAL PRINCIPAL		\$	-
		TOTAL INTEREST (EST'D)		\$	-
		TOTAL PROJECT COST		\$	-



# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2021	EQUIPMENT COST	\$22,000
DESCRIPTION	SCBA Washing Machine	DEPARTMENT	Fire Department
DESCRIPTION (TO INCLUDE JUSTIFICATION):			
<p>This proposal is to purchase a washing machine to clean and disinfect personal protective equipment that may not be cleaned in conventional laundry machines, such as self-contained breathing apparatus (SCBA) masks, bottles, pack frames, helmets, etc. after it has been exposed and contaminated by products of combustion, particulate matter, and/or a variety of EMS undesirables. This equipment allows the department to provide a level of health and safety for the staff's gear and equipment which is aligned with evolving industry standards and current cancer presumption practices.</p>			
ESTIMATED COST	PURCHASE PRICE	\$	22,000
	ACCESSORIES*	\$	-
	LESS TRADE-IN**	\$	-
	NET PURCHASE PRICE	\$	22,000
	*Accessories include lighting, radios, striping, misc. equipment.		
FINANCING	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	-
	BOND - UNH PORTION	\$	-
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	22,000
	TOTAL FINANCING COSTS	\$	22,000
	*Funded 50/50 by Town and UNH		
IF BONDED:	NUMBER OF YEARS	N/A	
	TOTAL PRINCIPAL	\$	-
	TOTAL INTEREST (EST'D)	\$	-
	TOTAL PROJECT COST	\$	-



# **CAPITAL IMPROVEMENT PROGRAM**

<b>PROJECT YEAR</b>	2022	<b>VEHICLE COST</b>	\$75,000
<b>DESCRIPTION</b>	<i>Assistant Chief Vehicle Replacement (Car 2)</i>	<b>DEPARTMENT</b>	<i>Fire Department</i>
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION):</b>			
<p>The purpose of this proposal is to replace the current assistant chief's command vehicle. After 10 years of front line service the vehicle is not suitable for emergency operations and would be better suited to be reassigned to the town fleet of support vehicles.</p> <p>Vehicle to be replaced: 2013 Chevy Suburban</p>			
<b>ESTIMATED COST</b>	<b>PURCHASE PRICE</b>	\$	45,000
	<b>ACCESSORIES*</b>	\$	30,000
	<b>LESS TRADE-IN**</b>	\$	-
	<b>NET PURCHASE PRICE</b>	\$	75,000
*Accessories include lighting, radios, striping, misc. equipment.			
<b>FINANCING</b>	<b>OPERATING BUDGET</b>	\$	-
	<b>UNH - CASH</b>	\$	-
	<b>BOND - TOWN PORTION</b>	\$	-
	<b>BOND - UNH PORTION</b>	\$	-
	<b>FEDERAL/STATE GRANT</b>	\$	-
	<b>CAPITAL RESERVE ACCOUNT</b>	\$	75,000
	<b>TOTAL FINANCING COSTS</b>	\$	75,000
*Funded 50/50 by Town and UNH			
<b>IF BONDED:</b>	<b>NUMBER OF YEARS</b>	N/A	
	<b>TOTAL PRINCIPAL</b>	\$	-
	<b>TOTAL INTEREST (EST'D)</b>	\$	-
	<b>TOTAL PROJECT COST</b>	\$	-





# **CAPITAL IMPROVEMENT PROGRAM**

<b>PROJECT YEAR</b>	2022	<b>EQUIPMENT COST</b>	\$90,000
<b>DESCRIPTION</b>	<i>Turnout Gear Replacement</i>	<b>DEPARTMENT</b>	<i>Fire Department</i>
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION):</b>			
<p>Purchase a department-wide compliment of turn out gear or personal protective equipment (PPE) to replace inventory purchased in 2012.</p> <p>A set of PPE typically consists of a protective coat, a pair of protective pants tailored for each individual, boots, helmet, hood, gloves, suspenders, flashlights, forestry shirts. In 2012 the department purchased a new PPE ensemble for all personnel which permitted their existing PPE to serve as a second or backup gear (which is required under the union contract as well as needed for daily use due to laundering and service). Backup PPE is used when primary gear has been in a hazardous environment or exposed to contaminants and requires cleaning. PPE may be cleaned and dried in the station in approximately 6-8 hours per set.</p>			
<b>ESTIMATED COST</b>	<b>PURCHASE PRICE</b>	\$	90,000
	<b>ACCESSORIES*</b>	\$	-
	<b>NET PURCHASE PRICE</b>	\$	90,000
*Accessories include lighting, radios, striping, misc. equipment.			
<b>FINANCING</b>	<b>OPERATING BUDGET</b>	\$	-
	<b>UNH - CASH</b>	\$	-
	<b>BOND - TOWN PORTION</b>	\$	-
	<b>BOND - UNH PORTION</b>	\$	-
	<b>FEDERAL/STATE GRANT</b>	\$	-
	<b>CAPITAL RESERVE ACCOUNT</b>	\$	90,000
	<b>TOTAL FINANCING COSTS</b>	\$	90,000
*Funded 50/50 by Town and UNH			
<b>IF BONDED:</b>	<b>NUMBER OF YEARS</b>	N/A	
	<b>TOTAL PRINCIPAL</b>	\$	-
	<b>TOTAL INTEREST (EST'D)</b>	\$	-
	<b>TOTAL PROJECT COST</b>	\$	-



# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR		2022	VEHICLE COST		\$19,000
DESCRIPTION			Water Rescue Craft and Trailer		
DEPARTMENT			Fire Department		
DESCRIPTION (TO INCLUDE JUSTIFICATION):					
<p>This proposal is to replace the two existing 2014 Bombardier RTX-260 personal water crafts with a rigid inflatable boat (RIB) equipped with an outboard motor.</p> <p>The existing personal water craft have been deployed to perform support search and rescue operations in the Oyster River, Great Bay and Little Bay.</p> <p>The replacement craft will be equipped with water rescue gear and equipment. This proposal also includes a trailer to transport and deploy the water craft.</p> <p>Vehicles to be replaced: 2014 Bombardier RTX-260 personal water craft (two personal water craft)</p>					
ESTIMATED COST					
PURCHASE PRICE		\$	15,000		
ACCESSORIES*		\$	4,000		
LESS TRADE-IN**		\$	-		
NET PURCHASE PRICE		\$	19,000		
*Accessories include lighting, radios, striping, misc. equipment.					
FINANCING					
OPERATING BUDGET		\$	-		
UNH - CASH		\$	-		
BOND - TOWN PORTION		\$	-		
BOND - UNH PORTION		\$	-		
FEDERAL/STATE GRANT		\$	-		
CAPITAL RESERVE ACCOUNT		\$	19,000		
TOTAL FINANCING COSTS		\$	19,000		
*Funded 50/50 by Town and UNH					
IF BONDED:					
NUMBER OF YEARS		N/A			
TOTAL PRINCIPAL		\$	-		
TOTAL INTEREST (EST'D)		\$	-		
TOTAL PROJECT COST		\$	-		



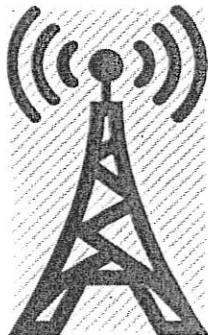
# **CAPITAL IMPROVEMENT PROGRAM**

<b>PROJECT YEAR</b>		2023	<b>VEHICLE COST</b>	\$41,000
<b>DESCRIPTION</b>		<i>Utility Vehicle (UTV-1) &amp; Trailer</i>	<b>DEPARTMENT</b>	<i>Fire Department</i>
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION):</b>				
<p>This proposal is to replace the 2013 Can Am two-person (side by side) all-terrain vehicle (UTV-1). This utility vehicle has been deployed to perform woods rescues in remote areas, support search and rescue operations, assist with brush fires, and serves as a small agile support rescue vehicle for large events in town.</p> <p>The replacement utility unit will be outfitted with a medical skid package suitable for transporting a patient in a rescue basket, medical provider, and EMS equipment, as well as radio communications, utility lights, and an emergency warning system. This proposal also includes an enclosed trailer to provide storage and method of deployment of the UTV.</p>				
Vehicle to be replaced:      2013 Can AM UTV				
<b>ESTIMATED COST</b>	<b>PURCHASE PRICE</b>	\$	22,000	
	<b>ACCESSORIES*</b>	\$	19,000	
	<b>LESS TRADE-IN**</b>	\$	-	
	<b>NET PURCHASE PRICE</b>	\$	41,000	
	*Accessories include lighting, radios, striping, misc. equipment.			
<b>FINANCING</b>	<b>OPERATING BUDGET</b>	\$	-	
	<b>UNH - CASH</b>	\$	-	
	<b>BOND - TOWN PORTION</b>	\$	-	
	<b>BOND - UNH PORTION</b>	\$	-	
	<b>FEDERAL/STATE GRANT</b>	\$	-	
	<b>CAPITAL RESERVE ACCOUNT</b>	\$	41,000	*Funded 50/50 by Town and UNH
	<b>TOTAL FINANCING COSTS</b>	\$	41,000	
<b>IF BONDED:</b>	<b>NUMBER OF YEARS</b>	N/A		
	<b>TOTAL PRINCIPAL</b>	\$	-	
	<b>TOTAL INTEREST (EST'D)</b>	\$	-	
	<b>TOTAL PROJECT COST</b>	\$	-	



# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR		2023	PROJECT COST		\$180,000
DESCRIPTION			DEPARTMENT		
Replace and Update Microwave Link			Fire Department		
DESCRIPTION (TO INCLUDE JUSTIFICATION):					
Replace and update the backup storage system for the Strafford County Dispatch Center microwave link. This link was installed in 2013 as additional equipment to provide clarity in radio transmission. Microwave system updates include replacement of remote site critical and non-critical links (6) with associated antennas, network equipment and power systems. This replacement/upgrade encompasses the entire loop of the microwave link.					
ESTIMATED COST		PURCHASE PRICE		\$	180,000
		ACCESSORIES*		\$	-
		LESS TRADE-IN**		\$	-
		NET PURCHASE PRICE		\$	180,000
*Accessories include lighting, radios, striping, misc. equipment.					
FINANCING		OPERATING BUDGET		\$	-
		UNH - CASH		\$	-
		BOND - TOWN PORTION		\$	90,000
		BOND - UNH PORTION		\$	90,000
		FEDERAL/STATE GRANT		\$	-
		CAPITAL RESERVE ACCOUNT		\$	-
		TOTAL FINANCING COSTS		\$	180,000
IF BONDED:		NUMBER OF YEARS			10
		TOTAL PRINCIPAL		\$	180,000
		TOTAL INTEREST (EST'D)		\$	22,000
		TOTAL PROJECT COST		\$	202,000





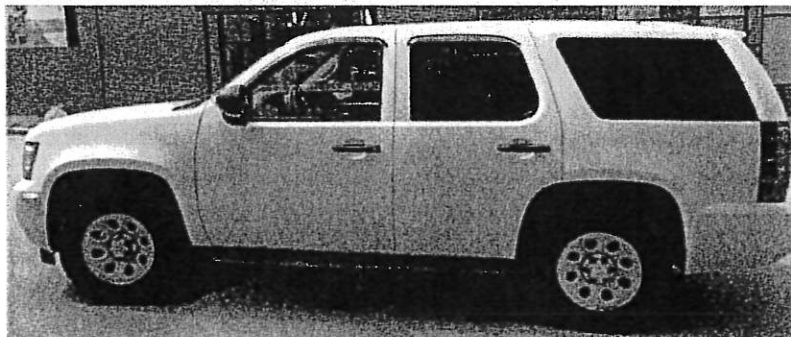
# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2023	VEHICLE COST	\$150,000
DESCRIPTION	Tanker Refurbishment	DEPARTMENT	Fire Department
DESCRIPTION (TO INCLUDE JUSTIFICATION):			
<p>In keeping with our commitment to extend the useful life of our major fire apparatus and as a result, the most value to the community, we plan for a partial refurbishment of all major pieces of fire apparatus, at the mid-point of their estimated 25 year life span.</p> <p>Vehicle to be refurbished: 2012 Marion Tanker</p>			
ESTIMATED COST	PURCHASE PRICE	\$	150,000
	ACCESSORIES*	\$	-
	LESS TRADE-IN**	\$	-
	NET PURCHASE PRICE	\$	150,000
*Accessories include lighting, radios, striping, misc. equipment.			
FINANCING	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	75,000
	BOND - UNH PORTION	\$	75,000
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	150,000
*Funded 50/50 by Town and UNH			
IF BONDED:	NUMBER OF YEARS		10
	TOTAL PRINCIPAL	\$	150,000
	TOTAL INTEREST (EST'D)	\$	18,500
	TOTAL PROJECT COST	\$	168,500



# **CAPITAL IMPROVEMENT PROGRAM**

PROJECT YEAR2024		PROJECT COST\$75,000	
DESCRIPTIONFire Chief Vehicle Replacement (Car 1)		DEPARTMENTFire Department	
DESCRIPTION (TO INCLUDE JUSTIFICATION):			
In 2016 a Chevy Tahoe was purchased and assigned to the Fire Chief to be used for daily response to calls and as incident command. This vehicle should be replaced with a comparable vehicle.			
After 8 years of front line service this vehicle needs to be evaluated for its suitability for emergency operations. Repair costs and reliability as emergency vehicles make it necessary to replace this vehicle.			
Vehicle to be replaced: 2016 Chevy Tahoe			
ESTIMATED COST	PURCHASE PRICE	\$	45,000
	ACCESSORIES*	\$	30,000
	LESS TRADE-IN**	\$	-
	NET PURCHASE PRICE	\$	75,000
	*Accessories include lighting, radios, striping, misc. equipment.		
FINANCING	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	-
	BOND - UNH PORTION	\$	-
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	75,000
	TOTAL FINANCING COSTS	\$	75,000
*Funded 50/50 by Town and UNH			
IF BONDED:	NUMBER OF YEARS	N/A	
	TOTAL PRINCIPAL	\$	-
	TOTAL INTEREST (EST'D)	\$	-
	TOTAL PROJECT COST	\$	-



# CAPITAL IMPROVEMENT PROGRAM

<b>PROJECT YEAR</b>	2024	<b>VEHICLE COST</b>	\$35,000
<b>DESCRIPTION</b>	Fire Prevention Vehicle Replacement (Car 4)	<b>DEPARTMENT</b>	Fire Department
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION):</b>			
<p>The Fire Prevention vehicle is used daily by the two fire inspectors and is utilized for day to day fire prevention activities such as inspections and fire investigations.</p> <p>The vehicle that will be purchased is a new Ford Intercept and will be assigned to the Inspectors.</p> <p>Vehicle to be replaced: 2016 Ford Explorer</p>			
<b>ESTIMATED COST</b>	<b>PURCHASE PRICE</b>	\$	35,000
	<b>ACCESSORIES*</b>	\$	-
	<b>LESS TRADE-IN**</b>	\$	-
	<b>NET PURCHASE PRICE</b>	\$	35,000
*Accessories include lighting, radios, striping, misc. equipment.			
<b>FINANCING</b>	<b>OPERATING BUDGET</b>	\$	-
	<b>UNH - CASH</b>	\$	-
	<b>BOND - TOWN PORTION</b>	\$	-
	<b>BOND - UNH PORTION</b>	\$	-
	<b>FEDERAL/STATE GRANT</b>	\$	-
	<b>CAPITAL RESERVE ACCOUNT</b>	\$	35,000
	<b>TOTAL FINANCING COSTS</b>	\$	35,000
*Funded 50/50 by Town and UNH			
<b>IF BONDED:</b>	<b>NUMBER OF YEARS</b>	N/A	
	<b>TOTAL PRINCIPAL</b>	\$	-
	<b>TOTAL INTEREST (EST'D)</b>	\$	-
	<b>TOTAL PROJECT COST</b>	\$	-



# CAPITAL IMPROVEMENT PROGRAM

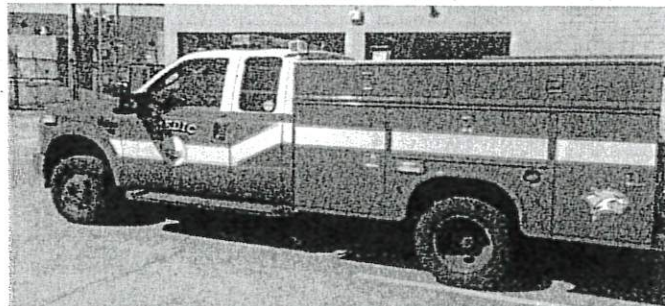
PROJECT YEAR		2024	VEHICLE COST		\$500,000
DESCRIPTION		Rescue 1 Replacement	DEPARTMENT		Fire Department
DESCRIPTION (TO INCLUDE JUSTIFICATION):					
Replace the 2001 International 4400 series truck with a similar walk in rescue body. This piece of apparatus is designed to support our technical rescue services, including motor vehicle accidents, industrial, water/ice rescue, hazardous materials and confined space. Estimated life span of this vehicle is 25-30 years.					
Vehicle to be replaced: 2001 International 4400					
ESTIMATED COST					
PURCHASE PRICE		\$	500,000		
ACCESSORIES*		\$	-		
LESS TRADE-IN**		\$	-		
NET PURCHASE PRICE		\$	500,000		
*Accessories include lighting, radios, striping, misc. equipment.					
FINANCING					
OPERATING BUDGET		\$	-		
UNH - CASH		\$	-		
BOND - TOWN PORTION		\$	250,000		
BOND - UNH PORTION		\$	250,000		
FEDERAL/STATE GRANT		\$	-		
CAPITAL RESERVE ACCOUNT		\$	-		
TOTAL FINANCING COSTS		\$	500,000		
IF BONDED:					
NUMBER OF YEARS			10		
TOTAL PRINCIPAL		\$	500,000		
TOTAL INTEREST (EST'D)		\$	96,250		
TOTAL PROJECT COST		\$	596,250		





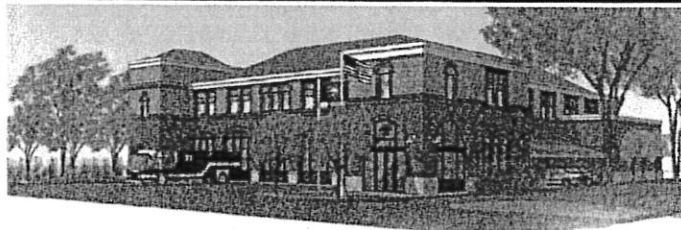
# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2025	VEHICLE COST	\$80,600
DESCRIPTION	Forestry Unit Replacement	DEPARTMENT	Fire Department
DESCRIPTION (TO INCLUDE JUSTIFICATION):			
<p>This proposal is to replace the Forestry Unit (2020 proposed repurposed 2010 F-350 4x4 with utility body) with a similar unit, including a water tank and forestry pump.</p> <p>The existing 2010 F-350 will be traded in or listed with Town surplus for repurposing.</p> <p>Vehicle to be replaced: 2010 F-350 4x4 with utility body</p>			
ESTIMATED COST	PURCHASE PRICE	\$	58,000
	ACCESSORIES*	\$	22,600
	LESS TRADE-IN**	\$	-
	NET PURCHASE PRICE	\$	80,600
	*Accessories include lighting, radios, striping, misc. equipment.		
FINANCING	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	-
	BOND - UNH PORTION	\$	-
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	80,600
	TOTAL FINANCING COSTS	\$	80,600
*Funded 50/50 by Town and UNH			
IF BONDED:	NUMBER OF YEARS	N/A	
	TOTAL PRINCIPAL	\$	-
	TOTAL INTEREST (EST'D)	\$	-
	TOTAL PROJECT COST	\$	-



# **CAPITAL IMPROVEMENT PROGRAM**

<b>PROJECT YEAR</b>	2025	<b>PROJECT COST</b>	\$20,000,000
<b>DESCRIPTION</b>	<i>New Fire Station</i>	<b>DEPARTMENT</b>	<i>New Fire Station</i>
<b>IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)</b>			
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION)</b>			
<p>This project calls for building a new fire station. The current fire station was designed as a service building and not a fire station. The current fire station does not meet the needs of our community or the safety of our firefighters. Each year the building goes through major costly disruptive repairs and will continue to be a money pit for many more years to come, with little or no improvement to the living conditions. The current fire station is not ADA compliant and the sleeping quarters are not compliant for different gender use. The apparatus bays do not allow for proper maintenance of our apparatus during winter months due to the tight space for apparatus storage. The driveway is less than desirable for apparatus response and the turning radius to exit the building is costly on the maintenance of our apparatus and is a safety concern for our firefighters as they rapidly turn out of the fire station.</p> <p>The Town and UNH are discussing building a new DFD/UNH/(Possibly McGregor) Public Safety complex building on Waterworks Road, on the UNH campus with the Town only paying for its share of the project, which will be 50% of an estimated \$8 million, a several years old number. If McGregor is included, the space would likely be Town-owned with the actual cost of debt/service and operations charged back to McGregor. Durham and UNH must still work out all of the details. Durham to potentially bond project with UNH providing offsetting revenue for its proportional share of the project. Grant monies are needed for this to proceed and we need to work on bringing down total cost.</p>			
<b>ESTIMATED COSTS:</b>	PRELIMINARY STUDY, DESIGN AND ENGINEERING	\$	-
	FINAL DESIGN AND ENGINEERING	\$	-
	CONSTRUCTION ENGINEERING OVERSIGHT	\$	-
	CONSTRUCTION COSTS	\$	20,000,000
	CONTINGENCY	\$	-
	<b>TOTAL PROJECT COST</b>	\$	<b>20,000,000</b>
<b>FINANCING</b>	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	4,000,000
	BOND - UNH PORTION	\$	16,000,000
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	<b>TOTAL FINANCING COSTS</b>	\$	<b>20,000,000</b>
<b>IF BONDED:</b>	NUMBER OF YEARS		20
	TOTAL PRINCIPAL	\$	20,000,000
	TOTAL INTEREST	\$	8,400,000
	<b>TOTAL ESTIMATED COST</b>	\$	<b>28,400,000</b>



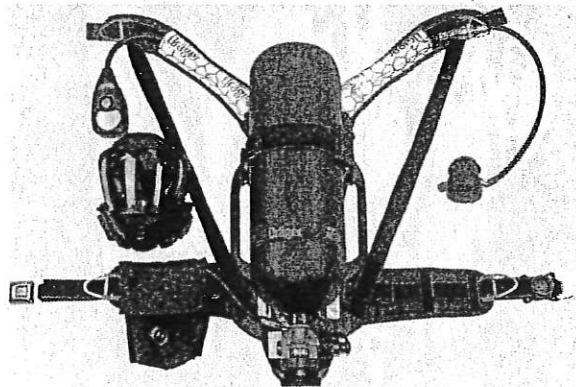
# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2025	VEHICLE COST	\$250,000
DESCRIPTION	Engine 1 Refurbishment	DEPARTMENT	Fire Department
DESCRIPTION (TO INCLUDE JUSTIFICATION):			
<p>In keeping with our commitment to extend the useful life of our major fire apparatus and as a result, the most value to the community, we plan for a partial refurbishment of all major pieces of fire apparatus, at the mid-point of their estimated 20 year life span.</p> <p>Vehicle to be reburbished: 2015 Spartan/Marion Metrostar Engine</p>			
ESTIMATED COST	PURCHASE PRICE	\$	250,000
	ACCESSORIES*	\$	-
	LESS TRADE-IN**	\$	-
	NET PURCHASE PRICE	\$	250,000
	*Accessories include lighting, radios, striping, misc. equipment.		
FINANCING	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	125,000
	BOND - UNH PORTION	\$	125,000
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	250,000
IF BONDED:	NUMBER OF YEARS	\$	10
	TOTAL PRINCIPAL	\$	250,000
	TOTAL INTEREST (EST'D)	\$	48,125
	TOTAL PROJECT COST	\$	298,125



# CAPITAL IMPROVEMENT PROGRAM

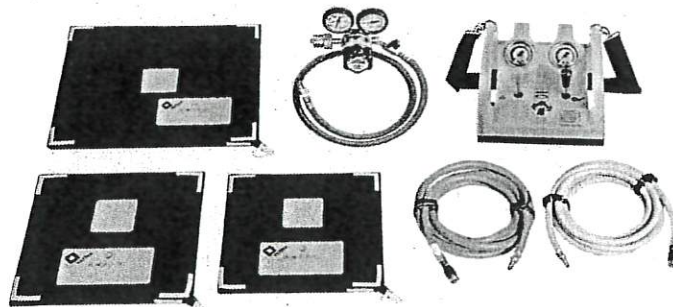
PROJECT YEAR		2026	PROJECT COST		\$220,000
DESCRIPTION		SCBA Replacements	DEPARTMENT		Fire Department
DESCRIPTION (TO INCLUDE JUSTIFICATION):					
The department maintains 28 Self Contained Breathing Apparatus (SCBA) that will need to be replaced as they reach their recommended service life. Each of the 28 SCBA units have 2 bottles of breathing air, one on the unit and one replacement bottle. The department also maintains an additional 3 rescue kits designed for rescuing downed firefighters that bring the inventory to a total 59 individual SCBA bottles.					
ESTIMATED COST	PURCHASE PRICE		\$	220,000	
	ACCESSORIES*		\$	-	
	LESS TRADE-IN**		\$	-	
	NET PURCHASE PRICE		\$	220,000	
	*Accessories include lighting, radios, striping, misc. equipment.				
FINANCING	OPERATING BUDGET		\$	-	
	UNH - CASH		\$	-	
	BOND - TOWN PORTION		\$	110,000	
	BOND - UNH PORTION		\$	110,000	
	FEDERAL/STATE GRANT		\$	-	
	CAPITAL RESERVE ACCOUNT		\$	-	*Funded 50/50 by Town and UNH
	TOTAL FINANCING COSTS		\$	220,000	
IF BONDED:	NUMBER OF YEARS			7	
	TOTAL PRINCIPAL		\$	220,000	
	TOTAL INTEREST (EST'D)		\$	42,350	
	TOTAL PROJECT COST		\$	262,350	





# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR		2026	PROJECT COST		\$10,000
DESCRIPTION		Air Bag Replacements	DEPARTMENT		Fire Department
DESCRIPTION (TO INCLUDE JUSTIFICATION):					
<p>Purchase Air Bags to replace our current air bags which were purchased in 2013. Air bags are used for lifting or moving heavy objects such as vehicles off a person, or can be used in situations involving farm machinery, industrial entrapments and building collapses. When these airbags are used victims and firefighters are often required to work under or in close proximity to the heavy loads they are lifting.</p> <p>Although these air bags are tested annually, they are subjected to large amounts of stress lifting objects up to 32 tons. These forces can create areas of fatigue that cannot be seen. The intention of this purchase is to begin replacing the air bags on a fixed lifetime to maintain a high level of safety. 10 - 15 years is the manufacturers recommendation.</p>					
ESTIMATED COST		PURCHASE PRICE	\$	10,000	
		ACCESSORIES*	\$	-	
		LESS TRADE-IN**	\$	-	
		NET PURCHASE PRICE	\$	10,000	
*Accessories include lighting, radios, striping, misc. equipment.					
FINANCING		OPERATING BUDGET	\$	-	
		UNH - CASH	\$	-	
		BOND - TOWN PORTION	\$	-	
		BOND - UNH PORTION	\$	-	
		FEDERAL/STATE GRANT	\$	-	
		CAPITAL RESERVE ACCOUNT	\$	10,000	*Funded 50/50 by Town and UNH
		TOTAL FINANCING COSTS	\$	10,000	
IF BONDED:		NUMBER OF YEARS	N/A		
		TOTAL PRINCIPAL	\$	-	
		TOTAL INTEREST (EST'D)	\$	-	
		TOTAL PROJECT COST	\$	-	



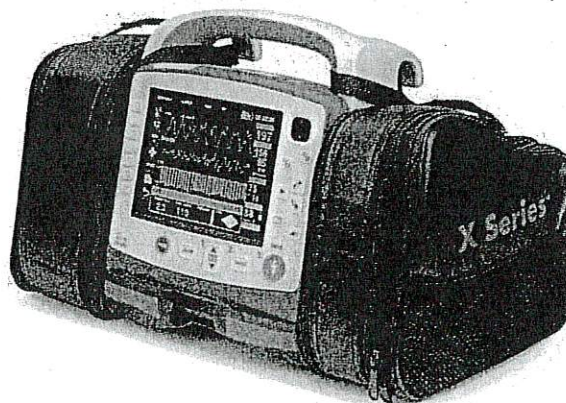
# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2026 - 2027 - 2028	PROJECT COST	\$45,000 per year						
DESCRIPTION	Portable Radio Replacements	DEPARTMENT	Fire Department						
DESCRIPTION (TO INCLUDE JUSTIFICATION):									
The Fire Department maintains a minimum stock of 54 handheld portable radios which are essential for critical communication between personnel, apparatus and dispatch. We need to replace portables over the course of three years. This will ensure that our portables remain under warranty and by cycling these over a three year period, we are not making a significant purchase at one time, but in smaller increments.									
		<table><tr><th></th><th>2026</th><th>2027</th><th>2028</th></tr></table>					2026	2027	2028
	2026	2027	2028						
ESTIMATED COST	PURCHASE PRICE	\$ 45,000	\$ 45,000	\$ 45,000					
FINANCING:	OPERATING BUDGET	\$ -	\$ -	\$ -					
	UNH - CASH	\$ -	\$ -	\$ -					
	BOND - TOWN PORTION	\$ -	\$ -	\$ -					
	BOND - UNH PORTION	\$ -	\$ -	\$ -					
	FEDERAL/STATE GRANT	\$ -	\$ -	\$ -					
	CAPITAL RESERVE ACCOUNT	\$ 45,000	\$ 45,000	\$ 45,000	*Funded 50/50 by Town and UNH				
	TOTAL FINANCING COSTS	\$ 45,000	\$ 45,000	\$ 45,000					
IF BONDED:	NUMBER OF YEARS	N/A	N/A	N/A					
	TOTAL PRINCIPAL	\$ -	\$ -	\$ -					
	TOTAL INTEREST (EST'D)	\$ -	\$ -	\$ -					
	TOTAL PROJECT COST	\$ -	\$ -	\$ -					



# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2029	EQUIPMENT COST	\$75,000																					
DESCRIPTION	Defibrillator Replacement	DEPARTMENT	Fire Department																					
DESCRIPTION (TO INCLUDE JUSTIFICATION):																								
<p>This proposal is to purchase two cardiac defibrillators which will replace the two Zoll X Series cardiac monitors that the Durham Fire Department purchased in 2019.</p>																								
ESTIMATED COST	<table> <tr> <td>PURCHASE PRICE</td> <td>\$</td> <td>75,000</td> </tr> <tr> <td>ACCESSORIES*</td> <td>\$</td> <td>-</td> </tr> <tr> <td>LESS TRADE-IN**</td> <td>\$</td> <td>-</td> </tr> <tr> <td>NET PURCHASE PRICE</td> <td>\$</td> <td>75,000</td> </tr> </table> <p>*Accessories include lighting, radios, striping, misc. equipment.</p>			PURCHASE PRICE	\$	75,000	ACCESSORIES*	\$	-	LESS TRADE-IN**	\$	-	NET PURCHASE PRICE	\$	75,000									
PURCHASE PRICE	\$	75,000																						
ACCESSORIES*	\$	-																						
LESS TRADE-IN**	\$	-																						
NET PURCHASE PRICE	\$	75,000																						
FINANCING	<table> <tr> <td>OPERATING BUDGET</td> <td>\$</td> <td>-</td> </tr> <tr> <td>UNH - CASH</td> <td>\$</td> <td>-</td> </tr> <tr> <td>BOND - TOWN PORTION</td> <td>\$</td> <td>-</td> </tr> <tr> <td>UNH PORTION</td> <td>\$</td> <td>-</td> </tr> <tr> <td>FEDERAL/STATE GRANT</td> <td>\$</td> <td>-</td> </tr> <tr> <td>CAPITAL RESERVE ACCOUNT</td> <td>\$</td> <td>75,000</td> </tr> <tr> <td>TOTAL FINANCING COSTS</td> <td>\$</td> <td>75,000</td> </tr> </table> <p>*Funded 50/50 by Town and UNH</p>			OPERATING BUDGET	\$	-	UNH - CASH	\$	-	BOND - TOWN PORTION	\$	-	UNH PORTION	\$	-	FEDERAL/STATE GRANT	\$	-	CAPITAL RESERVE ACCOUNT	\$	75,000	TOTAL FINANCING COSTS	\$	75,000
OPERATING BUDGET	\$	-																						
UNH - CASH	\$	-																						
BOND - TOWN PORTION	\$	-																						
UNH PORTION	\$	-																						
FEDERAL/STATE GRANT	\$	-																						
CAPITAL RESERVE ACCOUNT	\$	75,000																						
TOTAL FINANCING COSTS	\$	75,000																						
IF BONDED:	<table> <tr> <td>NUMBER OF YEARS</td> <td colspan="2">N/A</td> </tr> <tr> <td>TOTAL PRINCIPAL</td> <td>\$</td> <td>-</td> </tr> <tr> <td>TOTAL INTEREST (EST'D)</td> <td>\$</td> <td>-</td> </tr> <tr> <td>TOTAL PROJECT COST</td> <td>\$</td> <td>-</td> </tr> </table>			NUMBER OF YEARS	N/A		TOTAL PRINCIPAL	\$	-	TOTAL INTEREST (EST'D)	\$	-	TOTAL PROJECT COST	\$	-									
NUMBER OF YEARS	N/A																							
TOTAL PRINCIPAL	\$	-																						
TOTAL INTEREST (EST'D)	\$	-																						
TOTAL PROJECT COST	\$	-																						



# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2029	VEHICLE COST	\$1,240,000
DESCRIPTION	Tower Ladder Replacement	DEPARTMENT	Fire Department
DESCRIPTION (TO INCLUDE JUSTIFICATION):			
This proposal is for the replacement of the department's 2015 tower ladder apparatus at the projected end of service life.			
ESTIMATED COST	PURCHASE PRICE	\$	1,240,000
	ACCESSORIES*	\$	-
	LESS TRADE-IN**	\$	-
	NET PURCHASE PRICE	\$	1,240,000
	*Accessories include lighting, radios, striping, misc. equipment.		
FINANCING	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	620,000
	BOND - UNH PORTION	\$	620,000
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	1,240,000
IF BONDED:	NUMBER OF YEARS	\$	20
	TOTAL PRINCIPAL	\$	1,240,000
	TOTAL INTEREST (EST'D)	\$	272,800
	TOTAL PROJECT COST	\$	1,512,800





**DEPARTMENT HEAD PROPOSED  
2020-2029 CAPITAL IMPROVEMENT PROGRAM**

Description	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
<i>Information Technology</i>										
IT Equipment Replacement	27,000	22,500	16,500	27,000	17,000	29,500	17,500	20,000	20,000	20,000
GIS Program	70,000	165,000	30,000	30,000	30,000	30,000	30,000	30,000	40,000	40,000
<b>INFORMATION TECH TOTALS</b>	<b>97,000</b>	<b>187,500</b>	<b>46,500</b>	<b>57,000</b>	<b>47,000</b>	<b>59,500</b>	<b>47,500</b>	<b>50,000</b>	<b>60,000</b>	<b>60,000</b>

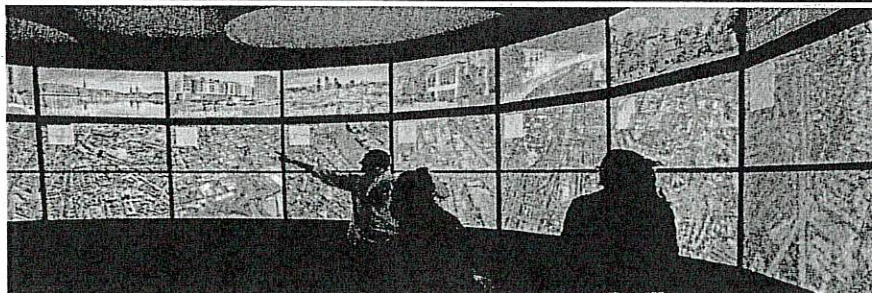
# CAPITAL IMPROVEMENT PROGRAM

<b>PROJECT YEAR</b>	2020-2029		<b>PROJECT COST</b>	2020 - \$27,000	
<b>DESCRIPTION</b>	I.T. Equipment Replacement		<b>DEPARTMENT</b>	Information Technology	
<b>IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)</b>					
Department Initiative					
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION)</b>					
<p>During the 2016 budget year cycle the idea to split equipment replacement costs from the operating budget into a capital budget item was discussed. This project is a result of that effort and represents the non-trivial impact to the total budget of keeping our I.T. equipment working soundly. We have generally adopted a cycle that allows for the replacement of a PC every three years, switches and routers every five years and servers every seven years. We ensure that purchases include three year equipment replacement contracts as a protection of investment against variable in part quality and availability. Often PC's replaced will serve other less critical purposes in the organization. Examples include public kiosks, dedicated network monitoring devices, small project specific test labs, and spare/quick deploy temporary workstations. At the end of its life cycle equipment is either sold (in bulk) or responsibly disposed of.</p> <p>This project replaces costs previously budgeted in the General Fund I.T. Budget Hardware/Software Line item 01-4199-303-90-080</p>					
<b>YEARLY COSTS:</b>	2020	\$27,000	2025	\$29,500	
	2021	\$22,500	2026	\$17,500	
	2022	\$16,500	2027	\$20,000	
	2023	\$27,000	2028	\$20,000	
	2024	\$17,000	2029	\$20,000	
<b>ESTIMATED COSTS:</b>	2020 TOTAL PURCHASE COST		\$	27,000	
<b>FINANCING</b>	OPERATING BUDGET		\$	27,000	
	UNH - CASH		\$	-	
	BOND - TOWN PORTION		\$	-	
	BOND - UNH PORTION		\$	-	
	FEDERAL/STATE GRANT		\$	-	
	CAPITAL RESERVE ACCOUNT		\$	-	
	<b>TOTAL FINANCING COSTS</b>		\$	<b>27,000</b>	
<b>IF BONDED:</b>	NUMBER OF YEARS		N/A		
	TOTAL PRINCIPAL		\$	-	
	TOTAL INTEREST		\$	-	
	<b>TOTAL ESTIMATED COST</b>		\$	<b>-</b>	



## CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2020-2029	PROJECT COST	2020 - \$70,000
DESCRIPTION	GIS Program	DEPARTMENT	Town-Wide
IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)			
DESCRIPTION (TO INCLUDE JUSTIFICATION)			
GIS - Geographic Information System "Around the world, local governments use GIS to improve decision making, service delivery, and citizen engagement. Since most government data is location based, equipping your organization with the latest in GIS technology provides the tools needed to make your community better. Operations run more smoothly and citizens have more positive experiences." (ESRI's website)			
Durham collects a lot of information. Almost every piece of that information includes some location-based data. What we currently lack is the ability to tie (index) that information together in a way that allows us to draw conclusions in a visual way. A GIS, when fully implemented, would allow us to examine data in a visual form that can be utilized by most aspects of Town operations. Embedding GIS directly into our operations allows staff to make informed, data-driven decisions more quickly than time and resources currently allow.			
The Town Administrator is recommending we establish a GIS program in 2020. The intent is to hire a GIS Manager for July 2020 funded through the operating budget.			
Funds will be used to update water and sewer data, build out a stormwater management layer to support the MS4, implement ArcGIS and Database backend, create a WebGIS portal, build/purchase custom applications for mobile and field use, purchases licenses for ArcGIS online implementation, ESRI software maintenance. In addition we will begin to update existing layers such as zoning, parks, open space, etc.			
Subsequent years are in flux but the plan would allow for additional updated flyovers and the development or rebuilding of layers.			
YEARLY COSTS:	2020	\$70,000	2025 \$30,000
	2021	\$165,000	2026 \$30,000
	2022	\$30,000	2027 \$30,000
	2023	\$30,000	2028 \$40,000
	2024	\$30,000	2029 \$40,000
ESTIMATED COSTS:	PROJECT COST		\$ 70,000
FINANCING	OPERATING BUDGET		\$ -
	UNH - CASH		\$ -
	BOND - TOWN PORTION		\$ 70,000
	FEDERAL/STATE GRANT		\$ -
	CAPITAL RESERVE ACCOUNT		\$ -
	TOTAL FINANCING COSTS		\$ 70,000
IF BONDED:	NUMBER OF YEARS		5
	TOTAL PRINCIPAL		\$ 70,000
	TOTAL INTEREST		\$ 6,300
	TOTAL ESTIMATED COST		\$ 76,300





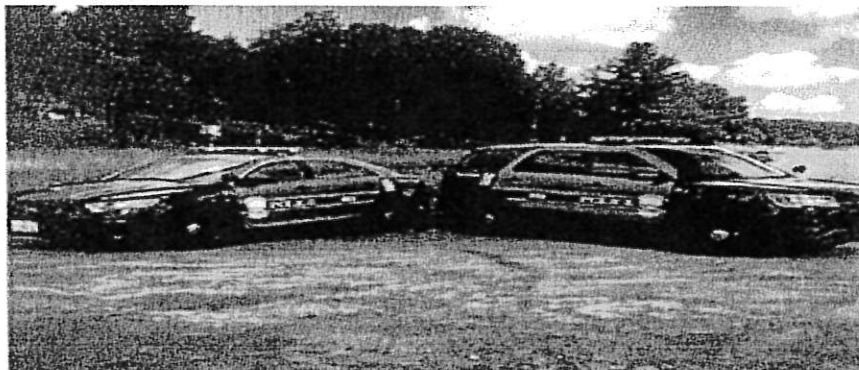
# **DEPARTMENT HEAD PROPOSED 2020-2029 CAPITAL IMPROVEMENT PROGRAM**

Description	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
<i>Police Department</i>										
Vehicle Replacement (Purchase 2/Yr)	90,800	90,800	90,800	90,800	90,800	90,800	90,800	90,800	90,800	90,800
Radio Simulcast Upgrades	665,000									
Mobile Speed Trailer	10,000									
Flashing Pedestrian Crossing Sign	4,500									
Dynamic Radar Speed Sign	4,000									
<b>POLICE TOTALS</b>	<b>774,300</b>	<b>90,800</b>	<b>90,800</b>	<b>90,800</b>	<b>90,800</b>	<b>90,800</b>	<b>90,800</b>	<b>90,800</b>	<b>90,800</b>	<b>90,800</b>



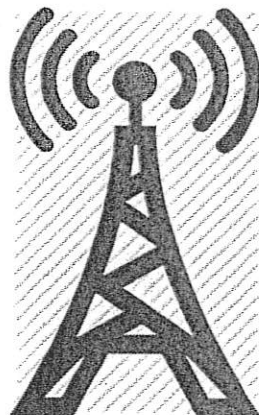
# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR		2020		PROJECT COST		\$90,800					
DESCRIPTION				Police Vehicle Replacement				DEPARTMENT		Police	
IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)											
The strategy is to have each marked police vehicle, the primary responding patrol vehicle of the department, to remain on-line for three-years. This is the optimum period where the vehicles are in prime condition and operate 24/7 with reliability.											
DESCRIPTION (TO INCLUDE JUSTIFICATION)											
As noted in last years' CIP proposal, Ford Motor Company has decided to make their Explorer the sole police vehicle manufactured. Currently the marked fleet consists of seven (7) vehicles with two remaining Taurusus. The proposal this year is to continue with our strategy of replacing two (2) vehicles per year which will essentially eliminate the Taurus from the marked fleet. The pricing reflects vehicle purchase, paint and equipment outfitting for the Explorers and a transfer of equipment from one vehicle to another. In addition, IT's Luke Vincent is recommending the replacement of in-cruiser computer, or MDT whenever a vehicle is purchased. This timeline segways with the three (3) year life of the computer.											
ESTIMATED COSTS:				VEHICLE PURCHASE		2 Explorers		\$		62,000	
				(2) RHINO TAB IN-CRUISER COMPUTER				\$		13,200	
				PAINT				\$		3,600	
				TRANSFER EQUIPMENT		Four vehicles		\$		5,200	
				PAINT (2) OLD CRUISERS				\$		4,000	
				PURCHASE EQUIPMENT				\$		2,800	
				TOTAL PROJECT COST				\$		90,800	
FINANCING				OPERATING BUDGET				\$		90,800	
				UNH - CASH				\$		-	
				BOND - TOWN PORTION				\$		-	
				UNH PORTION				\$		-	
				FEDERAL/STATE GRANT				\$		-	
				CAPITAL RESERVE ACCOUNT				\$		-	
				TOTAL FINANCING COSTS				\$		90,800	
IF BONDED:				NUMBER OF YEARS							
				TOTAL PRINCIPAL				\$		-	
				TOTAL INTEREST				\$		-	
				TOTAL ESTIMATED COST				\$		90,800	



**CAPITAL IMPROVEMENT PROGRAM**

PROJECT YEAR	2020	PROJECT COST	\$665,000
DESCRIPTION	Radio Simulcast Upgrades	DEPARTMENT	Police Department
DESCRIPTION (TO INCLUDE JUSTIFICATION):			
In 2018 funds were used to review the plan being developed to upgrade to digital communications, including expanding and relocating radio simulacast sites.			
The plan is to upgrade to digital communications simulcast radio which will replace all our fixed analog radio equipment, which will reach its recommended service life.			
This will replace and upgrade our primary radio system consisting of repeaters and receivers. This system was put in place in 2007, the year before we first came on board with Strafford County Dispatch, and support is scheduled to expire in 2020. Land Mobile Radio (LMR) infrastructure updates include replacing fire primary and paging base station, remote site receivers and voting comparator. New equipment will be future ready supporting digital TDMA (Time Division Multiple Access) operation and mandated RF efficiency standards.			
ESTIMATED COSTS:			
	PRELIMINARY STUDY, DESIGN AND ENGINEERING	\$	-
	FINAL DESIGN AND ENGINEERING	\$	-
	CONSTRUCTION ENGINEERING OVERSIGHT	\$	-
	CONSTRUCTION COSTS (including equipment)	\$	665,000
	CONTINGENCY	\$	-
	TOTAL PROJECT COST	\$	665,000
FINANCING:			
	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	665,000
	BOND - UNH PORTION	\$	-
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	665,000
IF BONDED:			
	NUMBER OF YEARS		20
	TOTAL PRINCIPAL	\$	665,000
	TOTAL INTEREST (EST'D)	\$	109,725
	TOTAL PROJECT COST	\$	-



# CAPITAL IMPROVEMENT PROGRAM

<b>PROJECT YEAR</b> 2020		<b>PROJECT COST</b> \$10,000															
<b>DESCRIPTION</b> Mobile Speed Trailer		<b>DEPARTMENT</b> Police Department															
<b>IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)</b> This item is being proposed for use in various locations throughout Durham to attempt to calm traffic without the constant presence of a police officer.																	
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION)</b>  This item is a mobile speed radar sign as opposed to the stationary, singular use sign which can be moved to various locations as needed. While it is labor intensive requiring an employee to move and place the trailer, it clearly will be a highly powerful traffic-calming tool, ideal for all traffic scenarios and environments. The trailer radar detects vehicles from over 1,000 feet away and depicts the speed of vehicles approaching via an ultra-bright, tri-color, LED speed digits tha can simultaneously display programmable messages.																	
<b>ESTIMATED COSTS:</b>		<table border="0"> <tr> <td><b>PURCHASE AND INSTALLATION</b></td> <td>\$ 10,000</td> </tr> <tr> <td><b>TOTAL PROJECT COST</b></td> <td>\$ 10,000</td> </tr> </table>		<b>PURCHASE AND INSTALLATION</b>	\$ 10,000	<b>TOTAL PROJECT COST</b>	\$ 10,000										
<b>PURCHASE AND INSTALLATION</b>	\$ 10,000																
<b>TOTAL PROJECT COST</b>	\$ 10,000																
<b>FINANCING</b>		<table border="0"> <tr> <td><b>OPERATING BUDGET</b></td> <td>\$ 10,000</td> </tr> <tr> <td><b>UNH - CASH</b></td> <td>\$ -</td> </tr> <tr> <td><b>BOND - TOWN PORTION</b></td> <td>\$ -</td> </tr> <tr> <td><b>BOND - UNH PORTION</b></td> <td>\$ -</td> </tr> <tr> <td><b>FEDERAL/STATE GRANT</b></td> <td>\$ -</td> </tr> <tr> <td><b>CAPITAL RESERVE ACCOUNT</b></td> <td>\$ -</td> </tr> <tr> <td><b>TOTAL FINANCING COSTS</b></td> <td>\$ 10,000</td> </tr> </table>		<b>OPERATING BUDGET</b>	\$ 10,000	<b>UNH - CASH</b>	\$ -	<b>BOND - TOWN PORTION</b>	\$ -	<b>BOND - UNH PORTION</b>	\$ -	<b>FEDERAL/STATE GRANT</b>	\$ -	<b>CAPITAL RESERVE ACCOUNT</b>	\$ -	<b>TOTAL FINANCING COSTS</b>	\$ 10,000
<b>OPERATING BUDGET</b>	\$ 10,000																
<b>UNH - CASH</b>	\$ -																
<b>BOND - TOWN PORTION</b>	\$ -																
<b>BOND - UNH PORTION</b>	\$ -																
<b>FEDERAL/STATE GRANT</b>	\$ -																
<b>CAPITAL RESERVE ACCOUNT</b>	\$ -																
<b>TOTAL FINANCING COSTS</b>	\$ 10,000																
<b>IF BONDED:</b>		<table border="0"> <tr> <td><b>NUMBER OF YEARS</b></td> <td>N/A</td> </tr> <tr> <td><b>TOTAL PRINCIPAL</b></td> <td>\$ -</td> </tr> <tr> <td><b>TOTAL INTEREST</b></td> <td>\$ -</td> </tr> <tr> <td><b>TOTAL ESTIMATED COST</b></td> <td>\$ -</td> </tr> </table>		<b>NUMBER OF YEARS</b>	N/A	<b>TOTAL PRINCIPAL</b>	\$ -	<b>TOTAL INTEREST</b>	\$ -	<b>TOTAL ESTIMATED COST</b>	\$ -						
<b>NUMBER OF YEARS</b>	N/A																
<b>TOTAL PRINCIPAL</b>	\$ -																
<b>TOTAL INTEREST</b>	\$ -																
<b>TOTAL ESTIMATED COST</b>	\$ -																



# **CAPITAL IMPROVEMENT PROGRAM**

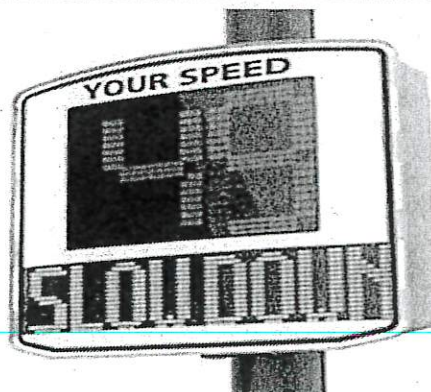
<b>PROJECT YEAR</b>	2020	<b>EQUIPMENT COST</b>	\$4,500
<b>DESCRIPTION</b>	<i>Flashing Pedestrian Crossing Sign</i>	<b>DEPARTMENT</b>	<i>Police Department</i>
<b>IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)</b>			
This item is being proposed for installation on Church Hill at the intersection of Park Court and Main Street.			
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION):</b>			
<p>This item is a "solar powered flashing pedestrian walk sign" that is a highly powerful traffic-calming tool activated by the pedestrian desiring to cross the street. The Traffic Safety Committee has grappled with this location for years increasing streetlight presence to amplify the location with concerns expressed by a number of residents about visibility and the high pedestrian volume at this intersection. This location seems like a perfect site to evaluate the effectiveness of this device.</p>			
<b>ESTIMATED COST</b>	<b>PURCHASE PRICE</b>	\$	4,500
	<b>ACCESSORIES*</b>	\$	-
	<b>NET PURCHASE PRICE</b>	\$	4,500
	*Accessories include lighting, radios, striping, misc. equipment.		
<b>FINANCING</b>	<b>OPERATING BUDGET</b>	\$	4,500
	<b>UNH - CASH</b>	\$	-
	<b>BOND - TOWN PORTION</b>	\$	-
	<b>BOND - UNH PORTION</b>	\$	-
	<b>FEDERAL/STATE GRANT</b>	\$	-
	<b>CAPITAL RESERVE ACCOUNT</b>	\$	-
	<b>TOTAL FINANCING COSTS</b>	\$	4,500
<b>IF BONDED:</b>	<b>NUMBER OF YEARS</b>	N/A	
	<b>TOTAL PRINCIPAL</b>	\$	-
	<b>TOTAL INTEREST (EST'D)</b>	\$	-
	<b>TOTAL PROJECT COST</b>	\$	-





# **CAPITAL IMPROVEMENT PROGRAM**

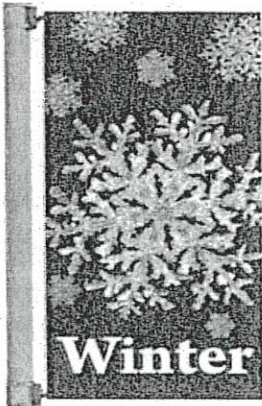
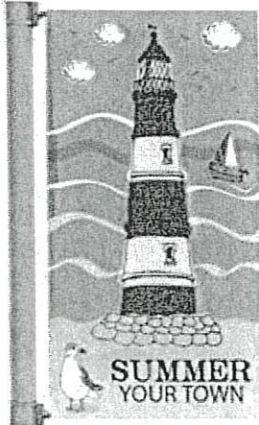
<b>PROJECT YEAR</b>	2020	<b>EQUIPMENT COST</b>	\$4,000
<b>DESCRIPTION</b>	<i>Dynamic Radar Speed Sign</i>	<b>DEPARTMENT</b>	<i>Police Department</i>
<b>IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)</b>			
This item is being proposed for installation on a major corridor into Durham to attempt to calm traffic without the constant presence of a police officer.			
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION):</b>			
<p>This items is referred to as a "dynamic speed radar sign" that states it is a highly powerful traffic-calming tool, ideal for all traffic scenarios and environments. Designed for effortless mobility at only 19 lbs, it is fully adaptable for permanent placement or portable use. The EVOLIS offers three power-source choices, suitable for every type of project. The pole-mounted radar detects vehicles from over 1,000 feet away and depicts the speed of vehicles approaching via an ultra-bright, tri-color, LED speed digits that can simultaneously display programmable messages, Elan, the maker of the speed sign, indicates that it corrects driver behavior with an average of 25% in speed reduction!</p>			
<b>ESTIMATED COST</b>	<b>PURCHASE PRICE</b>	\$	4,000
	<b>ACCESSORIES*</b>	\$	-
	<b>NET PURCHASE PRICE</b>	\$	4,000
	*Accessories include lighting, radios, striping, misc. equipment.		
<b>FINANCING</b>	<b>OPERATING BUDGET</b>	\$	4,000
	<b>UNH - CASH</b>	\$	-
	<b>BOND - TOWN PORTION</b>	\$	-
	<b>BOND - UNH PORTION</b>	\$	-
	<b>FEDERAL/STATE GRANT</b>	\$	-
	<b>CAPITAL RESERVE ACCOUNT</b>	\$	-
	<b>TOTAL FINANCING COSTS</b>	\$	4,000
<b>IF BONDED:</b>	<b>NUMBER OF YEARS</b>	N/A	
	<b>TOTAL PRINCIPAL</b>	\$	-
	<b>TOTAL INTEREST (EST'D)</b>	\$	-
	<b>TOTAL PROJECT COST</b>	\$	-



**DEPARTMENT HEAD PROPOSED  
2020-2029 CAPITAL IMPROVEMENT PROGRAM**

Description	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
<b>Public Works- Buildings &amp; Grounds Division</b>										
Seasonal Decorative Banners	9,500									
Purchase of Solar Panels at Town Facilities	145,000									
Commercial Lawnmower	18,800									
3/4 Ton Pickup Replacement			30,250							
Purchase of Solar Panels at Gravel Pit			850,000							
One Ton Dump Truck Replacement							45,600			
1/2 Ton Pickup Replacement							25,000			
<b>PW - BLDGS &amp; GRDS TOTALS</b>	<b>173,300</b>	<b>-</b>	<b>880,250</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>70,600</b>	<b>-</b>	<b>-</b>	<b>-</b>

# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2020	PROJECT COST	\$9,500
DESCRIPTION	Seasonal Decorative Banners	DEPARTMENT	Public Works - Buildings and Grounds
IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)			
Department Initiative			
DESCRIPTION (TO INCLUDE JUSTIFICATION)			
24 Seasonal decorative banners installed on existing light poles in the downtown corridor.			
ESTIMATED COSTS	PURCHASE PRICE	\$	6,500
	ACCESSORIES	\$	3,000
	NET PURCHASE PRICE	\$	9,500
FINANCING	OPERATING BUDGET	\$	9,500
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	-
	UNH PORTION	\$	-
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	9,500
IF BONDED	NUMBER OF YEARS	N/A	
	TOTAL PRINCIPAL	\$	-
	TOTAL INTEREST	\$	-
	TOTAL ESTIMATED COST	\$	-
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# CAPITAL IMPROVEMENT PROGRAM

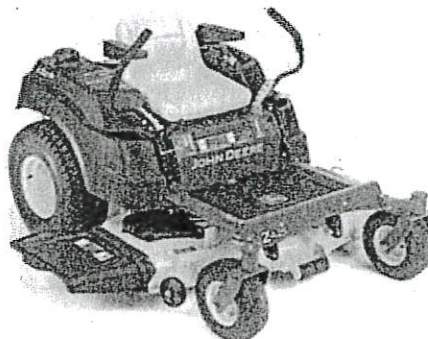
PROJECT YEAR	2020	PROJECT COST	\$145,000
DESCRIPTION	Purchase of Solar Panels	DEPARTMENT	Public Works - Buildings & Grounds
DESCRIPTION (TO INCLUDE JUSTIFICATION):			
<p>In 2013 Durham Solar, LLC installed solar powered electric generating panels at the Churchill Rink, Durham Library and Durham Police Station. The Agreement allows the Town of Durham to purchase these panels at fair market value after the sixth year of operation.</p>			
ESTIMATED COST	PURCHASE PRICE	\$	145,000
	ACCESSORIES*	\$	-
	LESS TRADE-IN**	\$	-
	NET PURCHASE PRICE	\$	145,000
FINANCING	OPERATING BUDGET	\$	145,000
	UNH - CASH	\$	-
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	145,000
IF BONDED:	NUMBER OF YEARS		10
	TOTAL PRINCIPAL	\$	145,000
	TOTAL INTEREST (EST'D)	\$	23,925
	TOTAL PROJECT COST	\$	168,925





# CAPITAL IMPROVEMENT PROGRAM

<b>PROJECT YEAR</b>		2020	<b>EQUIPMENT COST</b>	\$18,800
<b>DESCRIPTION</b>		Commercial Lawnmower	<b>DEPARTMENT</b>	Public Works - Buildings & Grounds
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION):</b>				
<p>Replacement of 2008 Kubota riding mower. This mower is utilized 75% of the time and is the work horse of our mowing equipment.</p> <p>Mower to be Replaced: 2008 Kubota</p>				
<b>ESTIMATED COST</b>		<b>PURCHASE PRICE</b>	\$	18,800
		<b>ACCESSORIES*</b>	\$	-
		<b>LESS TRADE-IN**</b>	\$	-
		<b>NET PURCHASE PRICE</b>	\$	18,800
*Accessories include lighting, radios, striping, misc. equipment.				
<b>FINANCING</b>		<b>OPERATING BUDGET</b>	\$	18,800
		<b>UNH - CASH</b>	\$	-
		<b>FEDERAL/STATE GRANT</b>	\$	-
		<b>CAPITAL RESERVE ACCOUNT</b>	\$	-
		<b>TOTAL FINANCING COSTS</b>	\$	18,800
<b>IF BONDED:</b>		<b>NUMBER OF YEARS</b>	N/A	
		<b>TOTAL PRINCIPAL</b>	\$	-
		<b>TOTAL INTEREST (EST'D)</b>	\$	-
		<b>TOTAL PROJECT COST</b>	\$	-



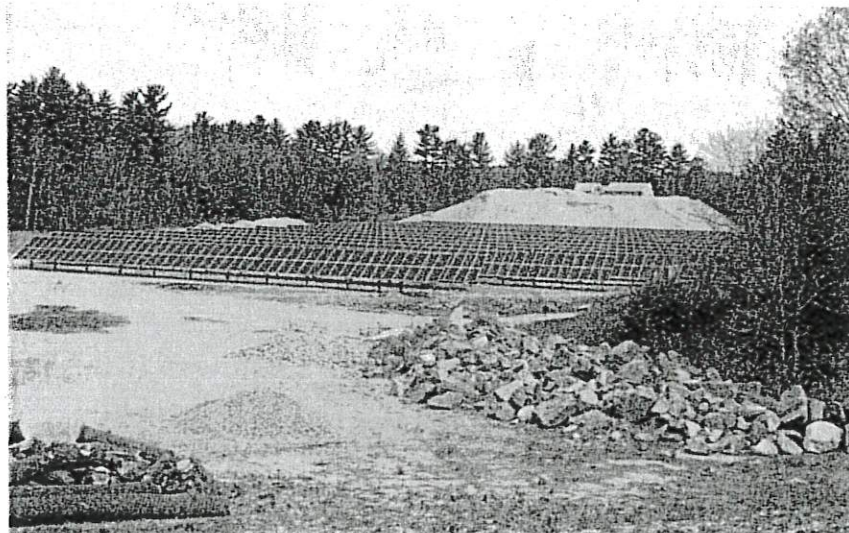
# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2022	VEHICLE COST	\$30,250
DESCRIPTION	3/4 Ton Pick-Up	DEPARTMENT	Public Works - Buildings and Grounds
DESCRIPTION (TO INCLUDE JUSTIFICATION):			
<p>Replace Buildings &amp; Grounds Foreman's 2012 Chevrolet 3/4 Ton Pick-up truck. The truck fleet is currently on a 10-12 year replacement program, this vehicle was replaced in 2012.</p> <p>This vehicle is used by the Building &amp; Grounds Foreman for daily transportation in his job of maintaining/supervising each of the Town facilities and parcels of land. The Foreman is also the person in charge of all supplies, safety training, water equipment and the Town's carpenter and stone mason.</p> <p>Vehicle to be Replaced: 2012 Chevy Pickup</p>			
ESTIMATED COST	PURCHASE PRICE	\$	30,250
	ACCESSORIES*	\$	1,000
	LESS TRADE-IN**	\$	(1,000)
	NET PURCHASE PRICE	\$	30,250
	*Accessories include lighting, radios, striping, misc. equipment.		
FINANCING	OPERATING BUDGET	\$	-
	BOND - TOWN	\$	30,250
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	30,250
IF BONDED:	NUMBER OF YEARS		7
	TOTAL PRINCIPAL	\$	30,250.00
	TOTAL INTEREST (EST'D)	\$	4,500.00
	TOTAL PROJECT COST	\$	34,750.00



# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2022	PROJECT COST	\$850,000
DESCRIPTION	Purchase of Solar Panels	DEPARTMENT	Public Works - Buildings & Grounds
DESCRIPTION (TO INCLUDE JUSTIFICATION):			
<p>In 2016 Revision Energy installed solar powered electric generating panels at the Lee Gravel Pit. The Agreement allows the Town of Durham to purchase these panels at fair market value after the sixth year of operation. This solar array will power all Town facilities except the WWTP.</p>			
ESTIMATED COST	PURCHASE PRICE	\$	850,000
	ACCESSORIES*	\$	-
	NET PURCHASE PRICE	\$	850,000
FINANCING	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	850,000
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	850,000
IF BONDED:	NUMBER OF YEARS		10
	TOTAL PRINCIPAL	\$	850,000
	TOTAL INTEREST (EST'D)	\$	81,400
	TOTAL PROJECT COST	\$	931,400



# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2026	VEHICLE COST	\$45,600
DESCRIPTION	1 Ton Dump Truck Replacement	DEPARTMENT	Public Works - Buildings and Grounds
DESCRIPTION (TO INCLUDE JUSTIFICATION):			
<p>We will be replacing the current 2016 Ford 1-ton, Four Wheel Drive Dump Truck with a 2026 1-ton equipped with plowing and sand/salt spreading capabilities. This truck is integral to daily operations and is the front-line piece of equipment for parks, cemeteries, buildings and grounds, and snow removal at all Town facilities. This vehicle is the sole vehicle used during winter storms at such sites as the Town Offices, Police Station, Lee Well, Wagon Hill Farm, Transfer Station and various parking lots. Optimum trade-in time is 10 years. Expected trade value is \$4,000. Tires, filters, hydraulics will be \$890/year included in the operating budget.</p> <p>Vehicle to be Replaced: 2016 Dodge Ram 1-Ton</p>			
ESTIMATED COST	PURCHASE PRICE	\$	48,400
	ACCESSORIES*	\$	1,000
	LESS TRADE-IN**	\$	(3,800)
	NET PURCHASE PRICE	\$	45,600
	*Accessories include lighting, radios, striping, misc. equipment.		
FINANCING	OPERATING BUDGET	\$	-
	BOND - TOWN	\$	45,600
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	45,600
IF BONDED:	NUMBER OF YEARS		7
	TOTAL PRINCIPAL	\$	45,600
	TOTAL INTEREST (EST'D)	\$	5,472
	TOTAL PROJECT COST	\$	51,072





# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2026	VEHICLE COST	\$25,000
DESCRIPTION	1/2 Ton Pick-Up	DEPARTMENT	Public Works - Buildings & Grounds
DESCRIPTION (TO INCLUDE JUSTIFICATION):			
The Town will be replacing the current Buildings & Grounds Division 2016 3/4 Ton Pickup Truck. The truck fleet is currently on a 10 -12 year replacement program. This 3/4 Ton 2016 (Ford F-150) Pick-up moves staff and equipment from site to site and supports the Building & Grounds Division employee who completes the daily trash/debris pick-up at all parks and downtown areas (2 hours daily). The vehicle is also used by the same employee for maintenance of all Town owned properties (graveyards, cemeteries, etc.) and the landscaping of the downtown area and buildings. This vehicle will be purchased through the state bid process. Routine maintenance costs per year include oil, tires, brakes, belts, filters costing \$985.			
Vehicle to be Replaced: 2016 Ford F-150			
ESTIMATED COST	PURCHASE PRICE	\$	25,000
	ACCESSORIES*	\$	1,000
	LESS TRADE-IN**	\$	(1,000)
	NET PURCHASE PRICE	\$	25,000
	*Accessories include lighting, radios, striping, misc. equipment.		
FINANCING	OPERATING BUDGET	\$	-
	BOND - TOWN	\$	25,000
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	25,000
IF BONDED:	NUMBER OF YEARS		7
	TOTAL PRINCIPAL	\$	25,000
	TOTAL INTEREST (EST'D)	\$	3,000
	TOTAL PROJECT COST	\$	28,000.00

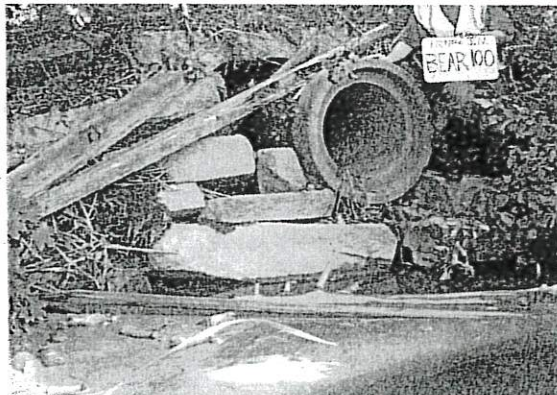


**DEPARTMENT HEAD PROPOSED  
2020-2029 CAPITAL IMPROVEMENT PROGRAM**

Description	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
<i>Public Works - Engineering Division</i>										
Culvert & Outfalls Program	80,000	70,000	85,000							
<b>PW - ENGINEERING TOTALS</b>	80,000	70,000	85,000	-	-	-	-	-	-	-

# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR		2020-2022	PROJECT COST		2020 - \$80,000				
DESCRIPTION			Culvert & Outfalls Program			DEPARTMENT		Public Works	
IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)									
Department Initiative, MS-4 Permit									
DESCRIPTION (TO INCLUDE JUSTIFICATION)									
<u>2020</u> - Oyster River Road - locations in the Faculty Development Neighborhood- \$80,000									
<u>2021</u> - Mill Road @ Oyster River (near Foss Farm) - \$70,000									
<u>2022</u> - Mill Road @ College Brook (headwall and outlet) - \$85,000									
ESTIMATED COSTS:		PRELIMINARY STUDY, DESIGN AND ENGINEERING		\$	-				
		FINAL DESIGN AND ENGINEERING		\$	10,000				
		CONSTRUCTION ENGINEERING OVERSIGHT		\$	-				
		CONSTRUCTION COSTS		\$	70,000				
		CONTINGENCY		\$	-				
		TOTAL PROJECT COST		\$	80,000				
FINANCING		OPERATING BUDGET		\$	80,000				
		UNH - CASH		\$	-				
		BOND - TOWN PORTION		\$	-				
		UNH PORTION		\$	-				
		FEDERAL/STATE GRANT		\$	-				
		CAPITAL RESERVE ACCOUNT		\$	-				
		TOTAL FINANCING COSTS		\$	80,000				
IF BONDED:		NUMBER OF YEARS		N/A					
		TOTAL PRINCIPAL		\$	-				
		TOTAL INTEREST		\$	-				
		TOTAL ESTIMATED COST		\$	-				





# DEPARTMENT HEAD PROPOSED 2020-2029 CAPITAL IMPROVEMENT PROGRAM

Description	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
<b>Public Works - Operations Division</b>										
Road Resurfacing	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000
Sidewalk Improvements	30,500	23,500	72,500	17,000	5,000					
Pedestrian Bridge over Oyster River	114,000									
Oyster River Dam (Mill Pond)		5,000,000								
Mobile Air Compressor			17,500							
Backhoe Replacement (cost split w/Water & WW)			53,000							
Roadway Sweeper			143,000							
Dame Road Paving				455,000						
1/2 Ton Pickup Replacement				27,000						
Aerial Bucket Truck				42,000						
Dump Truck Replacement				178,600	185,900	193,200	200,500	200,500		
Sidewalk Plow Tractor Replacement								106,500		
<b>PW - OPERATIONS TOTALS</b>	<b>594,500</b>	<b>5,473,500</b>	<b>736,000</b>	<b>1,369,600</b>	<b>640,900</b>	<b>643,200</b>	<b>650,500</b>	<b>757,000</b>	<b>450,000</b>	<b>450,000</b>



**2020-2029 PROPOSED ROAD PROGRAM\***  
**COST ESTIMATED AT \$450,000 PER YEAR**

2020	2023	2027
CARRIAGE WAY	CHESLEY DRIVE	BUCKS HILL ROAD
MAPLE STREET	ELLISON LANE	CORMORANT CIRCLE
MEADOW ROAD	MADBURY ROAD	CROGHAN LANE
RIVERVIEW ROAD	MEADER LANE	DAISEY DRIVE
RIVERVIEW COURT	NOBEL K. PETERSON	JENKINS COURT
SANDY BROOK DRIVE	OLD PISCATAQUA ROAD	PARTRIDGEBERRY LANE
STROUT LANE	PARK COURT	RAZORBILL CIRCLE
SURREY LANE	ROSS ROAD	SHEARWATER STREET
	SULLIVAN FALLS ROAD	SUMAC LANE
		WOODMAN ROAD
2021	2024	
BARLETT ROAD	BRITTON LANE	
FOGG DRIVE	DURHAM PT RD. (WEST)	
FOGG LANE	EMERSON ROAD	
KELSEY DRIVE	SPRUCE WOOD LANE	
LAUREL LANE	WORTHEN ROAD	
MADBURY ROAD		
MESERVE ROAD		
MOHARINET WAY		
TALL PINES ROAD		
WOODRIDGE ROAD		
2022	2025	2028
ADAMS CIRCLE	AMBLER WAY	BAGDAD ROAD (1ST HALF)
BURNHAM AVE	DEER MEADOW ROAD	MAGRATH ROAD
COLD SPRING ROAD	FOX HILL ROAD	OYSTER RIVER ROAD
CONSTABLE ROAD	GERRISH DRIVE	SUNNYSIDE DRIVE
CORSON LANE	LANGLEY ROAD	VALENTINE HILL ROAD
DAVIS AVENUE	MORGAN WAY	WILLEY ROAD
FAIRCHILD DRIVE	TIRRELL PLACE	WISWALL ROAD PHASE I
FALLS WAY	WILLIAMS WAY	
FOSS FARM ROAD		
HEMLOCK WAY		
MATHES COVE ROAD		
ORCHARD DRIVE		
RYAN WAY		
ROCKY LANE		
STEVENS WAY		
	2026	2029
	BACK RIVER ROAD	BEECH HILL ROAD
	COE DRIVE	GARRISON AVENUE
	STRAFFORD AVENUE	GRIFFITH DRIVE
	WEDNESDAY HILL ROAD	PETTEE BROOK LANE
		PINECREST LANE
		YOUNG DRIVE
		WISWALL ROAD PHASE II

\*\*Years 2021 through 2029 are subject to change.

# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2020	PROJECT COST	\$450,000		
DESCRIPTION	Road Program	DEPARTMENT	Public Works		
IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)					
Dept. Initiative					
DESCRIPTION (TO INCLUDE JUSTIFICATION)					
Roads with respective improvements and costs are listed below, Program is designed to resurface each road every 15 years.					
ESTIMATED COSTS:					
	CONSTRUCTION ENGINEERING OVERSIGHT	\$	-		
	CONSTRUCTION COSTS	\$	450,000		
	CONTINGENCY	\$	-		
	TOTAL PROJECT COST	\$	450,000		
FINANCING					
	OPERATING BUDGET	\$	450,000		
	UNH - CASH	\$	-		
	BOND - TOWN PORTION	\$	-		
	BOND - UNH PORTION	\$	-		
	FEDERAL/STATE GRANT	\$	-		
	CAPITAL RESERVE ACCOUNT	\$	-		
	TOTAL FINANCING COSTS	\$	450,000		
IF BONDED:					
	NUMBER OF YEARS	N/A			
	TOTAL PRINCIPAL	\$	-		
	TOTAL INTEREST	\$	-		
	TOTAL ESTIMATED COST	\$	-		
ROAD NAME	TREATMENT TYPE	MILEAGE	DISTANCE (FEET)	LAST TREATMENT	COST
CARRIAGE WAY	1" OL	0.23	1214	2003	\$ 32,907
MAPLE STREET	1" OL	0.06	316	2005	\$ 8,330
MEADOW ROAD	1" OL	0.16	855	2003	\$ 22,767
RIVERVIEW ROAD	1" OL	0.56	2956	2004	\$ 82,534
RIVERVIEW COURT	1" OL	0.07	369	2004	\$ 11,175
SANDY BROOK DRIVE	1" OL	1.38	7265	2005	\$ 189,863
STROUT LANE	1" OL	0.13	665	1996	\$ 12,409
SURREY LANE	1" OL	0.7	3696	2003	\$ 82,277
		3.29	SUBTOTAL		\$ 442,262

# CAPITAL IMPROVEMENT PROGRAM

<b>PROJECT YEAR</b>	2021																					
<b>PROJECT COST</b>	\$450,000																					
<b>DESCRIPTION</b>	Road Program																					
<b>DEPARTMENT</b>	Public Works																					
<b>IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)</b>																						
Dept. Initiative																						
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BARLETT ROAD	1" OL	0.26	1381	2004	\$ 32,669																	
FOGG DRIVE	1" OL	0.39	2040	2004	\$ 48,258																	
FOGG LANE	1" OL	0.04	211	2004	\$ 4,989																	
KELSEY DRIVE	1" OL	0.30	1585	2006	\$ 20,732																	
LAUREL LANE	1" OL	0.53	2820	2006	\$ 66,057																	
MESERVE ROAD	1" OL	0.33	1761	2004	\$ 40,584																	
MOHARINET WAY	1" OL	0.10	525	2004	\$ 12,417																	
TALL PINES ROAD	1" OL	0.42	2218	2006	\$ 43,096																	
WOODRIDGE ROAD	1" OL	0.89	4700	2004	\$ 111,310																	
		3.26	<b>SUBTOTAL</b>		<b>\$ 380,112</b>																	

# CAPITAL IMPROVEMENT PROGRAM

<b>PROJECT YEAR</b>	2022																																																																																																						
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# CAPITAL IMPROVEMENT PROGRAM

<b>PROJECT YEAR</b>	2023																					
<b>PROJECT COST</b>	\$450,000																					
<b>DESCRIPTION</b>	Road Program																					
<b>DEPARTMENT</b>	Public Works																					
<b>IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)</b>																						
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CHESLEY DRIVE	1" OL	0.09	485	2006	\$ 6,342																	
ELLISON LANE	1" OL	0.10	539	2001	\$ 9,936																	
MADBURY ROAD	1" OL	1.74	9290	2005 - 2009	\$ 315,004																	
MEADER LANE	1" OL	0.14	750	2006	\$ 9,810																	
NOBEL K. PETERSON DRIVE	1" OL	0.19	1000	1999	\$ 28,327																	
OLD PISCATAQUA ROAD	1" OL	0.27	1410	1995	\$ 30,515																	
PARK COURT	1" OL	0.10	526	2006	\$ 6,878																	
ROSS ROAD	1" OL	1.12	5914	2006	\$ 74,135																	
SULLIVAN FALLS ROAD	1" OL	0.28	1475	2003	\$ 34,139																	
		4.03	<b>SUBTOTAL</b>		\$ 515,086																	

# CAPITAL IMPROVEMENT PROGRAM

<b>PROJECT YEAR</b>	2024																					
<b>PROJECT COST</b>	\$450,000																					
<b>DESCRIPTION</b>	Road Program																					
<b>DEPARTMENT</b>	Public Works																					
<b>IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)</b>																						
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BRITTON LANE	1" OL	0.13	650	2009	\$ 8,797																	
DURHAM PT RD. (WEST)	1" OL	1.98	10400	2007	\$ 224,328																	
EMERSON ROAD	1" OL	0.58	3062	2011	\$ 71,329																	
SPRUCE WOOD LANE	1" OL	0.12	545	2005	\$ 8,608																	
WORTHEN ROAD	1" OL	0.39	2048	2004	\$ 47,599																	
		3.20	<b>SUBTOTAL</b>		\$ 360,661																	

# CAPITAL IMPROVEMENT PROGRAM

<b>PROJECT YEAR</b>	2025																					
<b>PROJECT COST</b>	\$450,000																					
<b>DESCRIPTION</b>	Road Program																					
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AMBLER WAY	1" OL	0.45	2390	2008	\$ 58,485.00																	
DEER MEADOW ROAD	1" OL	1.00	5270	2008	\$ 112,206.00																	
FOX HILL ROAD	1" OL	0.36	1906	2008	\$ 75,808.00																	
GERRISH DRIVE	1" OL	0.20	1054	2008	\$ 37,832.00																	
LANGLEY ROAD	1" OL	0.61	3226	2008	\$ 98,641.00																	
MORGAN WAY	1" OL	0.25	1320	2008	\$ 22,354.00																	
TIRRELL PLACE	1" OL	0.14	739	2008	\$ 12,911.00																	
WILLIAMS WAY	1" OL	0.25	1336	2008	\$ 22,925.00																	
		3.26	<b>SUBTOTAL</b>		<b>\$ 441,162.00</b>																	

# CAPITAL IMPROVEMENT PROGRAM

<b>PROJECT YEAR</b>	2026																																					
<b>PROJECT COST</b>	\$450,000																																					
<b>DESCRIPTION</b>	Road Program																																					
<b>DEPARTMENT</b>	Public Works																																					
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# CAPITAL IMPROVEMENT PROGRAM

<b>PROJECT YEAR</b>	2027																					
<b>PROJECT COST</b>	\$450,000																					
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<b>DEPARTMENT</b>	Public Works																					
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BUCKS HILL ROAD	1" OL	0.58	3062	2011	97,445																	
CORMORANT CIRCLE	1" OL	0.12	613	2011	16,505																	
CROGHAN LANE	1" OL	0.15	797	2011	21,134																	
DAISEY DRIVE	1" OL	0.08	436	2011	12,805																	
JENKINS COURT	1" OL	0.07	360	2011	10,573																	
PARTRIDGEBERRY LANE	1" OL	0.17	876	2011	25,733																	
RAZORBILL CIRCLE	1" OL	0.08	415	2011	12,190																	
SHEARWATER STREET	1" OL	0.41	2150	2011	63,158																	
SUMAC LANE	1" OL	0.51	2709	2011	86,211																	
WOODMAN ROAD	1" OL	0.22	1178	2011	35,995																	
		2.39	<b>SUBTOTAL</b>		381,749																	

# CAPITAL IMPROVEMENT PROGRAM

<b>PROJECT YEAR</b>	2028																					
<b>PROJECT COST</b>	\$450,000																					
<b>DESCRIPTION</b>	Road Program																					
<b>DEPARTMENT</b>	Public Works																					
<b>IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)</b>																						
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BAGDAD ROAD (1ST HALF)	1" OL	0.63	3322	2012	79,351																	
MAGRATH ROAD	1" OL	0.16	844	2012	25,704																	
OYSTER RIVER ROAD	1" OL	0.42	2217	2012	43,207																	
SUNNYSIDE DRIVE	1" OL	0.41	2165	2012	64,008																	
VALENTINE HILL ROAD	1" OL	0.14	729	2012	17,367																	
WILLEY ROAD	1" OL	0.30	1595	2012	65,076																	
WISWALL ROAD PHASE I	1" OL	0.70	3678	2012	146,364																	
		2.76	SUBTOTAL		441,077																	

# CAPITAL IMPROVEMENT PROGRAM

<b>PROJECT YEAR</b>	2029																					
<b>PROJECT COST</b>	\$450,000																					
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<b>TOTAL ESTIMATED COST</b>	<b>\$</b>	<b>-</b>																				
<b>ROAD NAME</b>	<b>TREATMENT TYPE</b>	<b>MILEAGE</b>	<b>DISTANCE (FEET)</b>	<b>LAST TREATMENT</b>	<b>COST</b>																	
BEECH HILL ROAD	1" OL	0.13	692	2013	24,040																	
GARRISON AVENUE	2" OL	0.28	1478	2013	77,741																	
GRIFFITH DRIVE	1" OL	0.33	1745	2013	48,493																	
PETTEE BROOK LANE	1" OL	0.20	1100	2015	35,145																	
PINECREST LANE	1" OL	0.79	4197	2013	119,683																	
YOUNG DRIVE	1" OL	0.24	1243	2013	35,446																	
WISWALL ROAD PHASE II	1" OL	0.35	1840	2013	73,338																	
		2.32	<b>SUBTOTAL</b>		413,886																	

## 2020-2025 PROPOSED SIDEWALK PROGRAM

**2020 \$30,500**

Chesley Drive

Old Landing Park

Dennison Road

**2021 \$23,500**

Dover Road (intersection of Route 108 to Dover Road Pump Station)

**2022 \$72,500**

Madbury Road (Edgewood Road to Route 4)

**2023 \$17,000**

Emerson Road

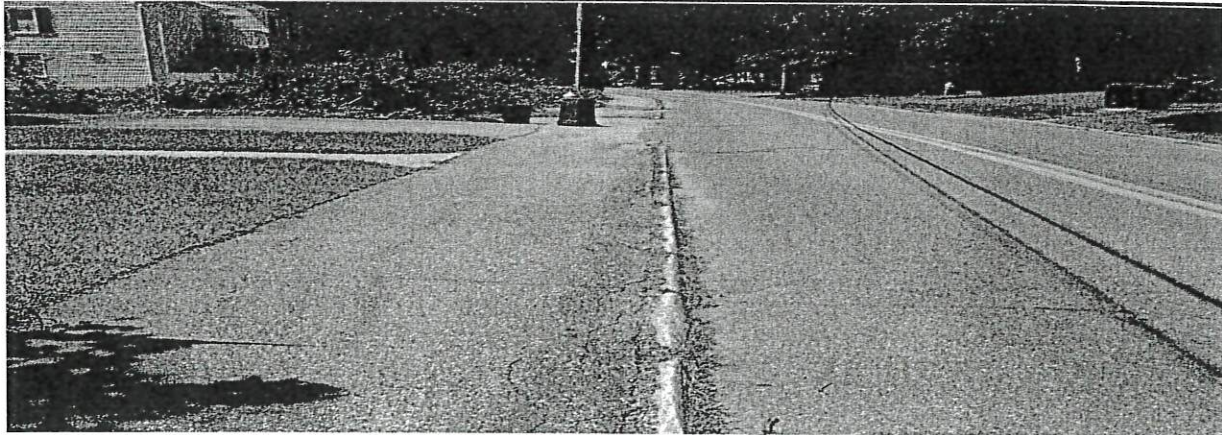
**2024 \$5,000**

Pettee Brook Parking Lot/Sammy's Market Lot



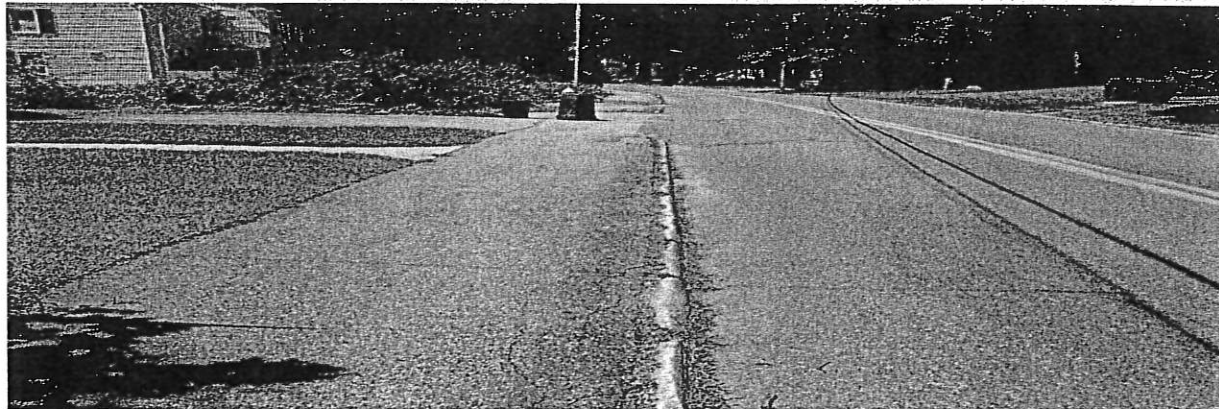
# **CAPITAL IMPROVEMENT PROGRAM**

<b>PROJECT YEAR</b>	2020	<b>PROJECT COST</b>	\$30,500																		
<b>DESCRIPTION</b>	Sidewalk Improvements	<b>DEPARTMENT</b>	Public Works - Operations																		
<b>IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)</b>																					
The Public Works Department created a long term sidewalk maintenance program in 2014, mirroring the current road program.																					
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION)</b>																					
<b>Chesley Drive</b>																					
* Crack Fill/Repairs	192 ft	\$1,200																			
* 1" Asphalt Overlay	11 tons @ \$145/ton	\$1,595																			
* No curbs		\$0																			
<b>Old Landing Park</b>																					
* Repairs	557 ft	\$2,652																			
* 1" Asphalt Overlay	25 tons @ \$145/ton	\$3,625																			
* No curbs		\$0																			
<b>Dennison Road</b>																					
* Demolition	1581 ft	\$4,100																			
* Crushed Gravel/Loam/Seed		\$6,111																			
* Asphalt Sidewalk	77 tons @ \$145/ton	\$11,165																			
* No curbs		\$0																			
<b>ESTIMATED COSTS:</b>	<table border="0"> <tr> <td>PRELIMINARY STUDY, DESIGN AND ENGINEERING</td> <td align="right">\$</td> <td align="right">-</td> </tr> <tr> <td>FINAL DESIGN AND ENGINEERING</td> <td align="right">\$</td> <td align="right">-</td> </tr> <tr> <td>CONSTRUCTION ENGINEERING OVERSIGHT</td> <td align="right">\$</td> <td align="right">-</td> </tr> <tr> <td>CONSTRUCTION COSTS</td> <td align="right">\$</td> <td align="right">30,500</td> </tr> <tr> <td>CONTINGENCY</td> <td align="right">\$</td> <td align="right">-</td> </tr> <tr> <td><b>TOTAL PROJECT COST</b></td> <td align="right">\$</td> <td align="right">30,500</td> </tr> </table>			PRELIMINARY STUDY, DESIGN AND ENGINEERING	\$	-	FINAL DESIGN AND ENGINEERING	\$	-	CONSTRUCTION ENGINEERING OVERSIGHT	\$	-	CONSTRUCTION COSTS	\$	30,500	CONTINGENCY	\$	-	<b>TOTAL PROJECT COST</b>	\$	30,500
PRELIMINARY STUDY, DESIGN AND ENGINEERING	\$	-																			
FINAL DESIGN AND ENGINEERING	\$	-																			
CONSTRUCTION ENGINEERING OVERSIGHT	\$	-																			
CONSTRUCTION COSTS	\$	30,500																			
CONTINGENCY	\$	-																			
<b>TOTAL PROJECT COST</b>	\$	30,500																			
<b>FINANCING</b>	<table border="0"> <tr> <td>OPERATING BUDGET</td> <td align="right">\$</td> <td align="right">30,500</td> </tr> <tr> <td>UNH - CASH</td> <td align="right">\$</td> <td align="right">-</td> </tr> <tr> <td>BOND - TOWN PORTION</td> <td align="right">\$</td> <td align="right">-</td> </tr> <tr> <td>FEDERAL/STATE GRANT</td> <td align="right">\$</td> <td align="right">-</td> </tr> <tr> <td>CAPITAL RESERVE ACCOUNT</td> <td align="right">\$</td> <td align="right">-</td> </tr> <tr> <td><b>TOTAL FINANCING COSTS</b></td> <td align="right">\$</td> <td align="right">30,500</td> </tr> </table>			OPERATING BUDGET	\$	30,500	UNH - CASH	\$	-	BOND - TOWN PORTION	\$	-	FEDERAL/STATE GRANT	\$	-	CAPITAL RESERVE ACCOUNT	\$	-	<b>TOTAL FINANCING COSTS</b>	\$	30,500
OPERATING BUDGET	\$	30,500																			
UNH - CASH	\$	-																			
BOND - TOWN PORTION	\$	-																			
FEDERAL/STATE GRANT	\$	-																			
CAPITAL RESERVE ACCOUNT	\$	-																			
<b>TOTAL FINANCING COSTS</b>	\$	30,500																			
<b>IF BONDED:</b>	<table border="0"> <tr> <td>NUMBER OF YEARS</td> <td align="center">N/A</td> </tr> <tr> <td>TOTAL PRINCIPAL</td> <td align="right">\$ -</td> </tr> <tr> <td>TOTAL INTEREST</td> <td align="right">\$ -</td> </tr> <tr> <td><b>TOTAL ESTIMATED COST</b></td> <td align="right">\$ -</td> </tr> </table>			NUMBER OF YEARS	N/A	TOTAL PRINCIPAL	\$ -	TOTAL INTEREST	\$ -	<b>TOTAL ESTIMATED COST</b>	\$ -										
NUMBER OF YEARS	N/A																				
TOTAL PRINCIPAL	\$ -																				
TOTAL INTEREST	\$ -																				
<b>TOTAL ESTIMATED COST</b>	\$ -																				



# **CAPITAL IMPROVEMENT PROGRAM**

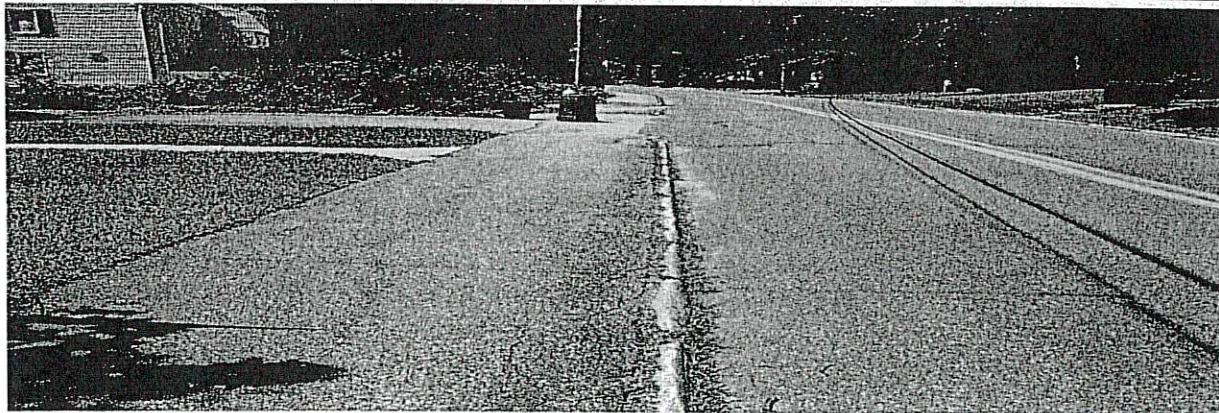
<b>PROJECT YEAR</b>	2021	<b>PROJECT COST</b>	\$23,500
<b>DESCRIPTION</b>	Sidewalk Improvements	<b>DEPARTMENT</b>	Public Works - Operations
<b>IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)</b>			
The Public Works Department created a long term sidewalk maintenance program in 2014, mirroring the current road program.			
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION)</b>			
<b>Dover Road - Intersection of Route 108 to Dover Road Pump Station</b>			
* Demolition	2011 ft	\$4,500	
* Crushed Gravel/Loam/Seed		\$6,480	
* Asphalt Sidewalk	85 tons @ \$148/ton	\$12,580	
* No curbs		\$0	
<b>ESTIMATED COSTS:</b>			
	PRELIMINARY STUDY, DESIGN AND ENGINEERING	\$	-
	FINAL DESIGN AND ENGINEERING	\$	-
	CONSTRUCTION ENGINEERING OVERSIGHT	\$	-
	CONSTRUCTION COSTS	\$	23,500
	CONTINGENCY	\$	-
	<b>TOTAL PROJECT COST</b>	\$	<b>23,500</b>
<b>FINANCING</b>	OPERATING BUDGET	\$	23,500
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	-
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	<b>TOTAL FINANCING COSTS</b>	\$	<b>23,500</b>
<b>IF BONDED:</b>	NUMBER OF YEARS		N/A
	TOTAL PRINCIPAL	\$	-
	TOTAL INTEREST	\$	-
	<b>TOTAL ESTIMATED COST</b>	\$	<b>-</b>





# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2022	PROJECT COST	\$72,500
DESCRIPTION	Sidewalk Improvements	DEPARTMENT	Public Works - Operations
IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)			
The Public Works Department created a long term sidewalk maintenance program in 2014, mirroring the current road program.			
DESCRIPTION (TO INCLUDE JUSTIFICATION)			
Madbury Road (Edgewood Road to Route 4)			
* Demolition		\$5,000	
* Crushed Gravel/Loam/Seed		\$8,020	
* Asphalt Curb	2851 ft @ \$12.50/lf	\$35,637	
* Sidewalk Asphalt	120 tons @ \$154/ton	\$18,480	
Hand Work, Curb Patch	35 tons @ \$154/ton	\$5,390	
ESTIMATED COSTS:			
	PRELIMINARY STUDY, DESIGN AND ENGINEERING	\$	-
	FINAL DESIGN AND ENGINEERING	\$	-
	CONSTRUCTION ENGINEERING OVERSIGHT	\$	-
	CONSTRUCTION COSTS	\$	72,500
	CONTINGENCY	\$	-
	TOTAL PROJECT COST	\$	72,500
FINANCING			
	OPERATING BUDGET	\$	72,500
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	-
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	72,500
IF BONDED:			
	NUMBER OF YEARS		N/A
	TOTAL PRINCIPAL	\$	-
	TOTAL INTEREST	\$	-
	TOTAL ESTIMATED COST	\$	-



# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR		2023	PROJECT COST		\$17,000	
DESCRIPTION		Sidewalk Improvements		DEPARTMENT		Public Works - Operations
IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)						
The Public Works Department created a long term sidewalk maintenance program in 2014, mirroring the current road program.						
DESCRIPTION (TO INCLUDE JUSTIFICATION)						
Emerson Road						
* Crack fill/ Repairs		1150 ft	\$4,650			
* 1" Asphalt Overlay		78 tons @ \$154/ton	\$12,012			
* No Curb			\$0			
ESTIMATED COSTS:						
PRELIMINARY STUDY, DESIGN AND ENGINEERING		\$	-			
FINAL DESIGN AND ENGINEERING		\$	-			
CONSTRUCTION ENGINEERING OVERSIGHT		\$	-			
CONSTRUCTION COSTS		\$	17,000			
CONTINGENCY		\$	-			
TOTAL PROJECT COST		\$	17,000			
FINANCING						
OPERATING BUDGET		\$	17,000			
UNH - CASH		\$	-			
BOND - TOWN PORTION		\$	-			
FEDERAL/STATE GRANT		\$	-			
CAPITAL RESERVE ACCOUNT		\$	-			
TOTAL FINANCING COSTS		\$	17,000			
IF BONDED:						
NUMBER OF YEARS		N/A				
TOTAL PRINCIPAL		\$	-			
TOTAL INTEREST		\$	-			
TOTAL ESTIMATED COST		\$	-			





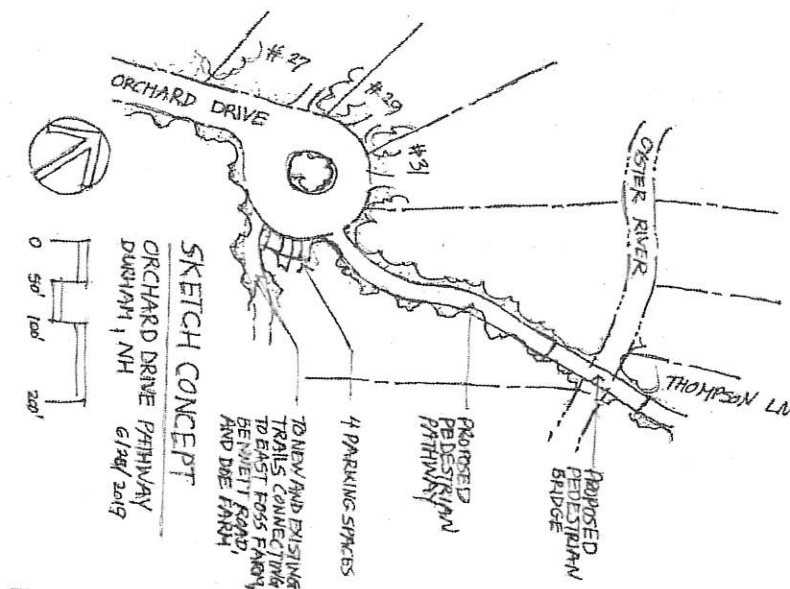
# **CAPITAL IMPROVEMENT PROGRAM**

<b>PROJECT YEAR</b>	2024	<b>PROJECT COST</b>	\$5,000
<b>DESCRIPTION</b>	Sidewalk Improvements	<b>DEPARTMENT</b>	Public Works - Operations
<b>IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)</b>			
The Public Works Department created a long term sidewalk maintenance program in 2014, mirroring the current road program.			
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION)</b>			
<b>PETTEE BROOK PARKING LOT/SAMMY'S MARKET</b>			
* Demolition	239 ft	\$500	
* Crushed Gravel/Loam/Seed		\$1,209	
* Asphalt Sidewalk	20 tons @ \$154/ton	\$3,080	
<b>ESTIMATED COSTS:</b>			
	PRELIMINARY STUDY, DESIGN AND ENGINEERING	\$	-
	FINAL DESIGN AND ENGINEERING	\$	-
	CONSTRUCTION ENGINEERING OVERSIGHT	\$	-
	CONSTRUCTION COSTS	\$	5,000
	CONTINGENCY	\$	-
	<b>TOTAL PROJECT COST</b>	\$	5,000
<b>FINANCING</b>	OPERATING BUDGET	\$	5,000
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	-
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	<b>TOTAL FINANCING COSTS</b>	\$	5,000
<b>IF BONDED:</b>	NUMBER OF YEARS	N/A	
	TOTAL PRINCIPAL	\$	-
	TOTAL INTEREST	\$	-
	<b>TOTAL ESTIMATED COST</b>	\$	-



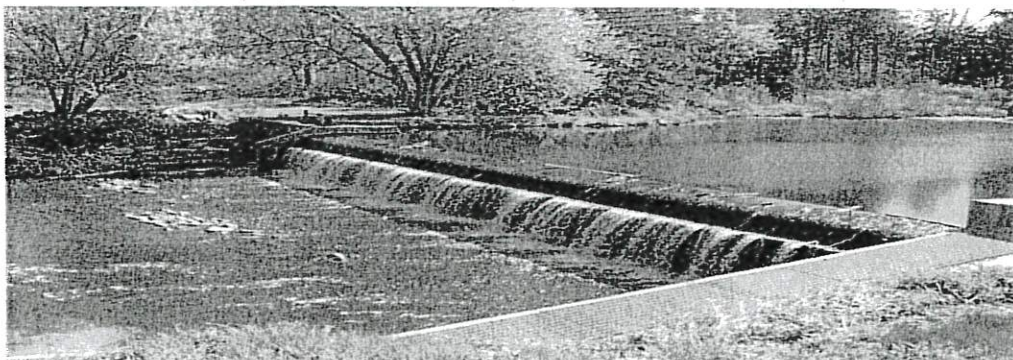
# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2020	PROJECT COST	\$114,000
DESCRIPTION	Oyster River Pedestrian Bridge	DEPARTMENT	Public Works - Operations
IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)			
Department Initiative			
DESCRIPTION (TO INCLUDE JUSTIFICATION)			
Pedestrian bridge to cross over the Oyster River from Thompson Lane to the new Orchard Drive pathway.			
ESTIMATED COSTS:			
	PRELIMINARY STUDY, DESIGN AND ENGINEERING	\$	7,500
	FINAL DESIGN AND ENGINEERING		
	CONSTRUCTION ENGINEERING OVERSIGHT	\$	1,500
	CONSTRUCTION COSTS	\$	95,000
	CONTINGENCY	\$	10,000
	TOTAL PROJECT COST	\$	114,000
FINANCING			
	OPERATING BUDGET	\$	
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	-
	UNH PORTION	\$	-
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	-
IF BONDED:			
	NUMBER OF YEARS		N/A
	TOTAL PRINCIPAL	\$	-
	TOTAL INTEREST	\$	-
	TOTAL ESTIMATED COST	\$	-



# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2021	PROJECT COST	\$3,000,000-\$5,000,000
DESCRIPTION	Oyster River Dam (Mill Pond)	DEPARTMENT	Public Works - Operations
IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)			
Department Initiative			
DESCRIPTION (TO INCLUDE JUSTIFICATION)			
<p>Following receipt and review of the Feasibility Study to be performed in 2019 the Town of Durham will need to decide how it wishes to proceed with the Oyster River Dam. Possibilities include repairing the dam or removing the dam in its entirety.</p> <p>THIS IS INCLUDED AS A "PLACEHOLDER" AND WILL BE UPDATED ONCE THE FEASIBILITY STUDY HAS BEEN RECEIVED AND REVIEWED.</p>			
ESTIMATED COSTS:	PRELIMINARY STUDY, DESIGN AND ENGINEERING	\$	-
	FINAL DESIGN AND ENGINEERING	\$	-
	CONSTRUCTION ENGINEERING OVERSIGHT	\$	-
	CONSTRUCTION COSTS	\$	5,000,000
	CONTINGENCY	\$	-
	TOTAL PROJECT COST	\$	5,000,000
FINANCING	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	5,000,000
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	5,000,000
IF BONDED:	NUMBER OF YEARS		20
	TOTAL PRINCIPAL	\$	5,000,000
	TOTAL INTEREST	\$	2,100,000
	TOTAL ESTIMATED COST	\$	7,100,000



# **CAPITAL IMPROVEMENT PROGRAM**

<b>PROJECT YEAR</b>	2022	<b>EQUIPMENT COST</b>	\$17,500
<b>DESCRIPTION</b>	<i>Mobile Air Compressor Replacement</i>	<b>DEPARTMENT</b>	<i>Public Works - Operations</i>
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION):</b>			
<p>Current 2006 Air Compressor is scheduled for replacement in 2022.  This equipment operates all of our pneumatic (air driven) tools, i.e. pavement cutter/drills, outside of the DPW shop.</p> <p>Equipment to be replaced: 2006 Sullivan/Palatek D210</p>			
<b>ESTIMATED COST</b>	<b>PURCHASE PRICE</b>	\$	17,500
	<b>ACCESSORIES*</b>	\$	-
	<b>LESS TRADE-IN**</b>	\$	-
	<b>NET PURCHASE PRICE</b>	\$	17,500
	*Accessories include lighting, radios, striping, misc. equipment.		
<b>FINANCING</b>	<b>OPERATING BUDGET</b>	\$	17,500
	<b>UNH - CASH</b>	\$	-
	<b>BOND - TOWN PORTION</b>	\$	-
	<b>FEDERAL/STATE GRANT</b>	\$	-
	<b>CAPITAL RESERVE ACCOUNT</b>	\$	-
	<b>TOTAL FINANCING COSTS</b>	\$	17,500
<b>IF BONDED:</b>	<b>NUMBER OF YEARS</b>	N/A	
	<b>TOTAL PRINCIPAL</b>	\$	-
	<b>TOTAL INTEREST (EST'D)</b>	\$	-
	<b>TOTAL PROJECT COST</b>	\$	-





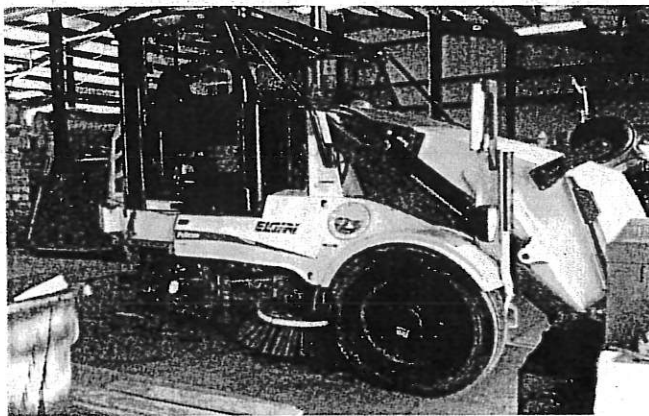
# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR2022		EQUIPMENT COST\$53,000	
DESCRIPTIONBackhoe Replacement		DEPARTMENTPublic Works- Operations, Water, WW	
DESCRIPTION (TO INCLUDE JUSTIFICATION):			
<p>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.</p> <p>Equipment to be replaced: 2006 JCB Backhoe</p>			
ESTIMATED COST	PURCHASE PRICE	\$58,000	Operations Portion Only
	ACCESSORIES*	\$-	
	LESS TRADE-IN**	\$(5,000)	
	NET PURCHASE PRICE	\$53,000	
	*Accessories include lighting, radios, striping, misc. equipment.		
FINANCING	OPERATING BUDGET	\$-	
	UNH - CASH	\$-	
	BOND - TOWN PORTION	\$53,000	
	FEDERAL/STATE GRANT	\$-	
	CAPITAL RESERVE ACCOUNT	\$-	
	TOTAL FINANCING COSTS	\$53,000	
IF BONDED:	NUMBER OF YEARS	7	
	TOTAL PRINCIPAL	\$53,000	
	TOTAL INTEREST (EST'D)	\$6,360	
	TOTAL PROJECT COST	\$59,360	

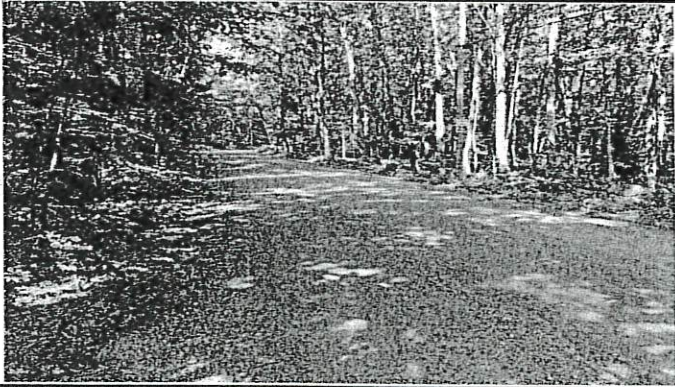


# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2022	EQUIPMENT COST	\$156,400
DESCRIPTION	Roadway Sweeper Replacement	DEPARTMENT	Public Works - Operations
DESCRIPTION (TO INCLUDE JUSTIFICATION):			
<p>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.</p> <p>Equipment to be replaced: 2012 Elgin 2000 Series Sweeper</p>			
ESTIMATED COST	PURCHASE PRICE	\$	147,000
	ACCESSORIES*	\$	-
	LESS TRADE-IN**	\$	(4,000)
	NET PURCHASE PRICE	\$	143,000
	*Accessories include lighting, radios, striping, misc. equipment.		
FINANCING	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	143,000
	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)	\$	17,160
	TOTAL PROJECT COST	\$	160,160



# **CAPITAL IMPROVEMENT PROGRAM**

<b>PROJECT YEAR</b>	2023	<b>PROJECT COST</b>	\$455,000
<b>DESCRIPTION</b>	<i>Dame Road Paving</i>	<b>DEPARTMENT</b>	<i>Public Works-Operations</i>
<b>IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)</b>			
Department Initiative following several conversations with residents.			
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION)</b>			
DPW has two options to present for the paving of Dame Road.			
<b>OPTION 1</b>			
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- \$ 18,000			
• Tree Removal- \$ 11,500			
Total: \$137,500			
Newmarket Road end:			
• Grading, Pavement- \$ 82,000			
• Drainage- \$ 18,000			
• Tree Removal- \$ 11,500			
Total: \$111,500			
PROJECT TOTAL \$249,000 + contingency			
<b>OPTION 2</b>			
Pave the entire length of Dame Road:			
• Pavement- \$343,000			
• Drainage- \$ 36,000			
• Tree Removal- \$ 34,500			
PROJECT TOTAL \$413,500 + contingency			
<b>ESTIMATED COSTS</b>			
		<b>OPTION 1</b>	<b>OPTION 2</b>
FINAL DESIGN AND ENGINEERING	\$	-	\$ -
CONSTRUCTION ENGINEERING OVERSIGHT	\$	-	\$ -
CONSTRUCTION COSTS	\$	249,000	\$ 413,500
CONTINGENCY	\$	13,000	\$ 41,500
TOTAL PROJECT COST	\$	262,000	\$ 455,000
<b>FINANCING</b>			
OPERATING BUDGET	\$	262,000	\$ -
UNH - CASH	\$	-	\$ -
BOND - TOWN PORTION	\$	-	\$ 455,000
FEDERAL/STATE GRANT	\$	-	\$ -
CAPITAL RESERVE ACCOUNT	\$	-	\$ -
TOTAL FINANCING COSTS	\$	262,000	\$ 455,000
<b>IF BONDED</b>			
NUMBER OF YEARS		N/A	10
TOTAL PRINCIPAL	\$	-	\$ 455,000
TOTAL INTEREST	\$	-	\$ 87,588
TOTAL ESTIMATED COST	\$	-	\$ 542,588
			



# CAPITAL IMPROVEMENT PROGRAM

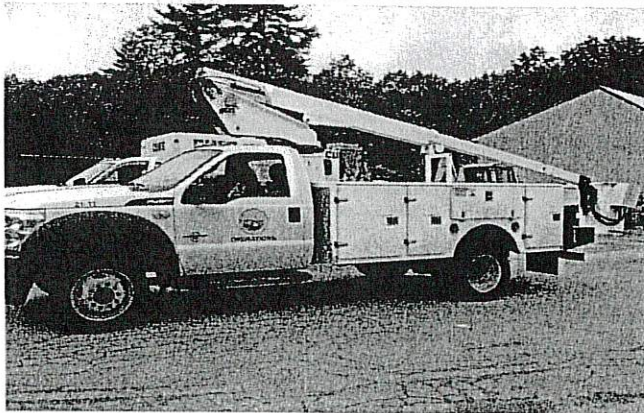
PROJECT YEAR		2023		VEHICLE COST		\$27,000	
DESCRIPTION		1/2 Ton Pick-Up Replacement		DEPARTMENT		Public Works - Operations	
DESCRIPTION (TO INCLUDE JUSTIFICATION):							
<p>Replace Assistant Director of Operations 2013 F-150 pick-up truck. The truck fleet is currently on a 10 -12 year replacement program. This vehicle is the Assistant Operations Director's daily means of transportation during all work hours. This employee supervises the Operations Division, Building &amp; 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.</p> <p>The current vehicle will be handed down to the Sanitation Division.</p> <p>Vehicle to be Replaced: 2013 Ford F-150</p>							
ESTIMATED COST	PURCHASE PRICE		\$	26,000			
	ACCESSORIES*		\$	1,000			
	LESS TRADE-IN**		\$	-			
	NET PURCHASE PRICE		\$	27,000			
	*Accessories include lighting, radios, striping, misc. equipment.						
FINANCING	OPERATING BUDGET		\$	-			
	UNH - CASH		\$	-			
	BOND - TOWN PORTION		\$	27,000			
	FEDERAL/STATE GRANT		\$	-			
	CAPITAL RESERVE ACCOUNT		\$	-			
	TOTAL FINANCING COSTS		\$	27,000			
IF BONDED:	NUMBER OF YEARS		\$	7			
	TOTAL PRINCIPAL		\$	27,000			
	TOTAL INTEREST (EST'D)		\$	3,240			
	TOTAL PROJECT COST		\$	30,240			





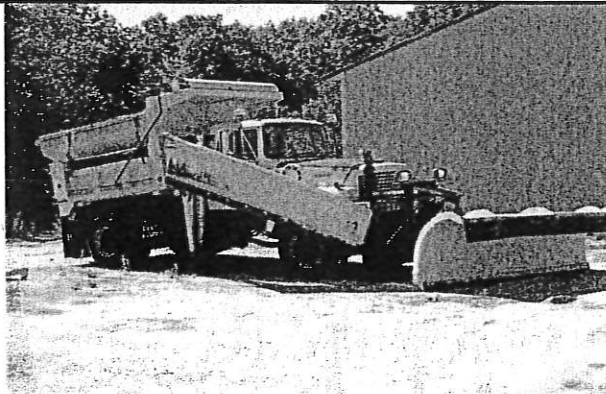
# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR		2023		VEHICLE COST		\$42,000					
DESCRIPTION				Aerial Bucket Truck				DEPARTMENT		Public Works - Operations	
DESCRIPTION (TO INCLUDE JUSTIFICATION):											
<p>The 2011 Aerial Bucket Truck is scheduled for replacement in 2023.</p> <p>This vehicle is utilized for traffic control devices, repairs and installation, and any projects which require a height above twelve (12) feet. The budget impact for this vehicle is an annual state inspection (\$300) for the lift mechanism and normal maintenance i.e. tires oil/filter.</p>											
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, radios, striping, misc. equipment.											
FINANCING		OPERATING BUDGET		\$		-					
		UNH - CASH		\$		-					
		BOND - TOWN PORTION		\$		42,000					
		FEDERAL/STATE GRANT		\$		-					
		CAPITAL RESERVE ACCOUNT		\$		-					
		TOTAL FINANCING COSTS		\$		42,000					
IF BONDED:		NUMBER OF YEARS				7					
		TOTAL PRINCIPAL		\$		42,000					
		TOTAL INTEREST (EST'D)		\$		5,040					
		TOTAL PROJECT COST		\$		47,040					



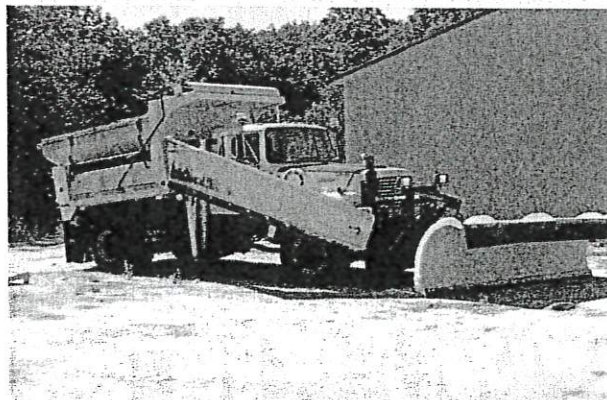
# CAPITAL IMPROVEMENT PROGRAM

<b>PROJECT YEAR</b>	2023	<b>VEHICLE COST</b>	\$178,600
<b>DESCRIPTION</b>	Dump Truck 35,000 GVW Replacement	<b>DEPARTMENT</b>	Public Works - Operations
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION):</b>			
<p>Purchase of a 35,000 LB GVW (Gross Vehicle Weight) dump truck with sand/salt spreader, side wing and front plow.</p> <p>Public Works has six 35,000 LB GVW dump trucks that are replaced on a 10 year replacement schedule. These dump trucks operate up to 8 hours per day 4- 5 days a week for various hauling and construction projects and comprise the front line snow removal equipment for all Town roads during the winter months. The Town completes all of its snow removal operations in house with this equipment. DPW does not have any backup trucks so dependability is very important to our operation</p> <p>Vehicle to be Replaced: Truck # 18, 2013 Peterbilt</p>			
<b>ESTIMATED COST</b>	<b>PURCHASE PRICE</b> <b>ACCESSORIES*</b> <b>LESS TRADE-IN**</b> <b>NET PURCHASE PRICE</b>	\$ 182,500 \$ 1,100 \$ (5,000) \$ 178,600	
*Accessories include lighting, radios, striping, misc. equipment.			
<b>FINANCING</b>	<b>OPERATING BUDGET</b> <b>UNH - CASH</b> <b>BOND - TOWN PORTION</b> <b>FEDERAL/STATE GRANT</b> <b>CAPITAL RESERVE ACCOUNT</b> <b>TOTAL FINANCING COSTS</b>	\$ - \$ - \$ 178,600 \$ - \$ - \$ 178,600	
<b>IF BONDED:</b>	<b>NUMBER OF YEARS</b> <b>TOTAL PRINCIPAL</b> <b>TOTAL INTEREST (EST'D)</b> <b>TOTAL PROJECT COST</b>	7 \$ 178,600 \$ 21,400 \$ 200,000	



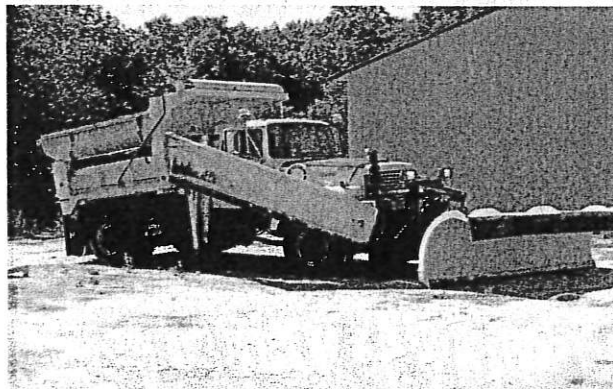
# CAPITAL IMPROVEMENT PROGRAM

<b>PROJECT YEAR</b>	2024	<b>VEHICLE COST</b>	\$185,900
<b>DESCRIPTION</b>	Dump Truck 35,000 GVW Replacement	<b>DEPARTMENT</b>	Public Works - Operations
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION):</b>			
<p>Purchase of a 35,000 LB GVW (Gross Vehicle Weight) dump truck with sand/salt spreader, side wing and front plow.</p> <p>Public Works has six 35,000 LB GVW dump trucks that are replaced on a 10 year replacement schedule. These dump trucks operate up to 8 hours per day 4- 5 days a week for various hauling and construction projects and comprise the front line snow removal equipment for all Town roads during the winter months. The Town completes all of its snow removal operations in house with this equipment. DPW does not have any backup trucks so dependability is very important to our operation</p> <p>Vehicle to be Replaced: Truck # 7, 2013 Peterbilt</p>			
<b>ESTIMATED COST</b>	<b>PURCHASE PRICE</b>	\$	189,800
	<b>ACCESSORIES*</b>	\$	1,100
	<b>LESS TRADE-IN**</b>	\$	(5,000)
	<b>NET PURCHASE PRICE</b>	\$	185,900
	*Accessories include lighting, radios, striping, misc. equipment.		
<b>FINANCING</b>	<b>OPERATING BUDGET</b>	\$	-
	<b>UNH - CASH</b>	\$	-
	<b>BOND - TOWN PORTION</b>	\$	185,900
	<b>FEDERAL/STATE GRANT</b>	\$	-
	<b>CAPITAL RESERVE ACCOUNT</b>	\$	-
	<b>TOTAL FINANCING COSTS</b>	\$	185,900
<b>IF BONDED:</b>	<b>NUMBER OF YEARS</b>		7
	<b>TOTAL PRINCIPAL</b>	\$	185,900
	<b>TOTAL INTEREST (EST'D)</b>	\$	22,300
	<b>TOTAL PROJECT COST</b>	\$	208,200



# CAPITAL IMPROVEMENT PROGRAM

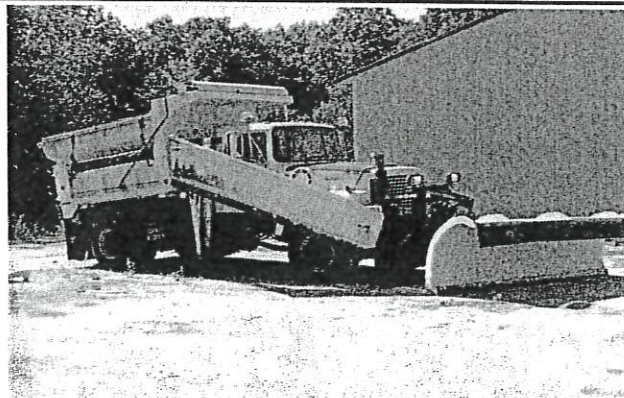
PROJECT YEAR		2025	VEHICLE COST		\$193,200
DESCRIPTION			Dump Truck 35,000 GVW Replacement		
DEPARTMENT			Public Works - Operations		
DESCRIPTION (TO INCLUDE JUSTIFICATION):					
Purchase of a 35,000 LB GVW (Gross Vehicle Weight) dump truck with sand/salt spreader, side wing and front plow.					
Public Works has six 35,000 LB GVW dump trucks that are replaced on a 10 year replacement schedule. These dump trucks operate up to 8 hours per day 4- 5 days a week for various hauling and construction projects and comprise the front line snow removal equipment for all Town roads during the winter months. The Town completes all of its snow removal operations in house with this equipment. DPW does not have any backup trucks so dependability is very important to our operation					
Vehicle to be Replaced: Truck # 1, 2015 International/Navistar					
ESTIMATED COST		PURCHASE PRICE		\$	197,100
		ACCESSORIES*		\$	1,100
		LESS TRADE-IN**		\$	(5,000)
		NET PURCHASE PRICE		\$	193,200
*Accessories include lighting, radios, striping, misc. equipment.					
FINANCING		OPERATING BUDGET		\$	-
		UNH - CASH		\$	-
		BOND - TOWN PORTION		\$	193,200
		FEDERAL/STATE GRANT		\$	-
		CAPITAL RESERVE ACCOUNT		\$	-
		TOTAL FINANCING COSTS		\$	193,200
IF BONDED:		NUMBER OF YEARS			7
		TOTAL PRINCIPAL		\$	193,200
		TOTAL INTEREST (EST'D)		\$	23,185
		TOTAL PROJECT COST		\$	216,385





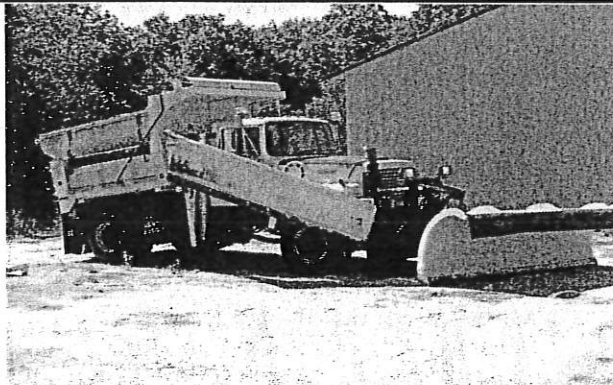
# CAPITAL IMPROVEMENT PROGRAM

<b>PROJECT YEAR</b>	2026	<b>VEHICLE COST</b>	\$200,500
<b>DESCRIPTION</b>	Dump Truck 35,000 GVW Replacement	<b>DEPARTMENT</b>	Public Works - Operations
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION):</b>			
<p>Purchase of a 35,000 LB GVW (Gross Vehicle Weight) dump truck with sand/salt spreader, side wing and front plow.</p> <p>Public Works has six 35,000 LB GVW dump trucks that are replaced on a 10 year replacement schedule. These dump trucks operate up to 8 hours per day 4- 5 days a week for various hauling and construction projects and comprise the front line snow removal equipment for all Town roads during the winter months. The Town completes all of its snow removal operations in house with this equipment. DPW does not have any backup trucks so dependability is very important to our operation</p> <p>Vehicle to be Replaced: Truck # 14, 2015 International/Navistar</p>			
<b>ESTIMATED COST</b>	<b>PURCHASE PRICE</b> <b>ACCESSORIES*</b> <b>LESS TRADE-IN**</b> <b>NET PURCHASE PRICE</b>	\$ 204,400 \$ 1,100 \$ (5,000) \$ 200,500	
*Accessories include lighting, radios, striping, misc. equipment.			
<b>FINANCING</b>	<b>OPERATING BUDGET</b> <b>UNH - CASH</b> <b>BOND - TOWN PORTION</b> <b>FEDERAL/STATE GRANT</b> <b>CAPITAL RESERVE ACCOUNT</b> <b>TOTAL FINANCING COSTS</b>	\$ - \$ - \$ 200,500 \$ - \$ - \$ 200,500	
<b>IF BONDED:</b>	<b>NUMBER OF YEARS</b> <b>TOTAL PRINCIPAL</b> <b>TOTAL INTEREST (EST'D)</b> <b>TOTAL PROJECT COST</b>	7 \$ 200,500 \$ 24,060 \$ 224,560	



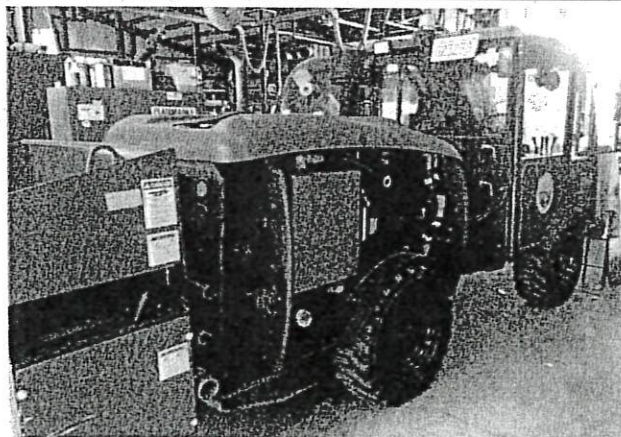
# CAPITAL IMPROVEMENT PROGRAM

<b>PROJECT YEAR</b>	2027	<b>VEHICLE COST</b>	\$200,500
<b>DESCRIPTION</b>	Dump Truck 35,000 GVW Replacement	<b>DEPARTMENT</b>	Public Works - Operations
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION):</b>			
<p>Purchase of a 35,000 LB GVW (Gross Vehicle Weight) dump truck with sand/salt spreader, side wing and front plow.</p> <p>Public Works has six 35,000 LB GVW dump trucks that are replaced on a 10 year replacement schedule. These dump trucks operate up to 8 hours per day 4- 5 days a week for various hauling and construction projects and comprise the front line snow removal equipment for all Town roads during the winter months. The Town completes all of its snow removal operations in house with this equipment. DPW does not have any backup trucks so dependability is very important to our operation</p> <p>Vehicle to be Replaced: 2016 International/Navistar</p>			
<b>ESTIMATED COST</b>	<b>PURCHASE PRICE</b>	\$	204,400
	<b>ACCESSORIES*</b>	\$	1,100
	<b>LESS TRADE-IN**</b>	\$	(5,000)
	<b>NET PURCHASE PRICE</b>	\$	200,500
	*Accessories include lighting, radios, striping, misc. equipment.		
<b>FINANCING</b>	<b>OPERATING BUDGET</b>	\$	-
	<b>UNH - CASH</b>	\$	-
	<b>BOND - TOWN PORTION</b>	\$	200,500
	<b>FEDERAL/STATE GRANT</b>	\$	-
	<b>CAPITAL RESERVE ACCOUNT</b>	\$	-
	<b>TOTAL FINANCING COSTS</b>	\$	200,500
<b>IF BONDED:</b>	<b>NUMBER OF YEARS</b>		7
	<b>TOTAL PRINCIPAL</b>	\$	200,500
	<b>TOTAL INTEREST (EST'D)</b>	\$	24,060
	<b>TOTAL PROJECT COST</b>	\$	224,560



# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR		2027	EQUIPMENT COST		\$180,000
DESCRIPTION			DEPARTMENT		
Sidewalk Plow Tractor Replacement			Public Works - Operations		
DESCRIPTION (TO INCLUDE JUSTIFICATION):					
<p>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.</p> <p>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.</p>					
Vehicle to be Replaced: 2012 Mcclean Sidewalk Tractor					
ESTIMATED COST					
PURCHASE PRICE		\$	106,500		
ACCESSORIES*		\$	-		
LESS TRADE-IN**		\$	-		
NET PURCHASE PRICE		\$	106,500		
*Accessories include lighting, radios, striping, misc. equipment.					
FINANCING					
OPERATING BUDGET		\$	-		
UNH - CASH		\$	-		
BOND - TOWN PORTION		\$	106,500		
FEDERAL/STATE GRANT		\$	-		
CAPITAL RESERVE ACCOUNT		\$	-		
TOTAL FINANCING COSTS		\$	106,500		
IF BONDED:					
NUMBER OF YEARS			7		
TOTAL PRINCIPAL		\$	106,500		
TOTAL INTEREST (EST'D)		\$	12,780		
TOTAL PROJECT COST		\$	119,280		





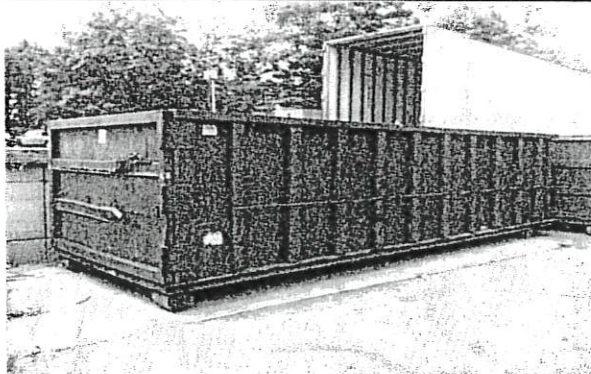
**DEPARTMENT HEAD PROPOSED  
2020-2029 CAPITAL IMPROVEMENT PROGRAM**

Description	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
<b>Public Works - Sanitation Division</b>										
30 CY Rolloff Containers	15,000									
Roll-off Truck	197,500									
Front End Loader		205,000								
Skid Steer				42,000						
Refuse Collection Vehicle Replacement					247,000					
Recycling Collection Vehicle Replacement						261,000				
<b>PW - SANITATION TOTALS</b>	<b>212,500</b>	<b>205,000</b>	<b>-</b>	<b>42,000</b>	<b>247,000</b>	<b>261,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>



# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR		2020	PROJECT COST		\$15,000
DESCRIPTION			30 Yd Rolloff Container Replacement		
DEPARTMENT			Public Works- Sanitation		
DESCRIPTION (TO INCLUDE JUSTIFICATION):					
<p>Replacement of two 30 yard rolloff containers for storing and hauling bulky waste and recyclables to market. These new containers will replace old, deteriorated containers.</p>					
ESTIMATED COST	PURCHASE PRICE		\$	15,000	
	ACCESSORIES*		\$	-	
	LESS TRADE-IN**		\$	-	
	NET PURCHASE PRICE		\$	15,000	
FINANCING	OPERATING BUDGET		\$	-	
	UNH - CASH		\$	-	
	BOND - TOWN PORTION		\$	15,000	
	FEDERAL/STATE GRANT		\$	-	
	CAPITAL RESERVE ACCOUNT		\$	-	
	TOTAL FINANCING COSTS		\$	15,000	
IF BONDED:	NUMBER OF YEARS				
	TOTAL PRINCIPAL				
	TOTAL INTEREST (EST'D)				
	TOTAL PROJECT COST		\$	-	



# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR		2020		PROJECT COST		\$197,500					
DESCRIPTION				Roll Off Truck Replacement				DEPARTMENT		Public Works- Sanitation	
DESCRIPTION (TO INCLUDE JUSTIFICATION):											
<p>2006 Sterling L9500 Roll-off truck is scheduled for replacment in 2020.</p> <p>This vehicle transfers 30 and 40 cubic yard roll-off containers from the Transfer Station to the appropriate recycling markets.</p> <p>Future maintenance costs consist mainly of tires and the hydraulic system.</p> <p>Vehicle to be Replaced: 2006 Sterling L9500</p>											
ESTIMATED COST		PURCHASE PRICE		\$		203,500					
		ACCESSORIES*		\$		-					
		LESS TRADE-IN**		\$		(6,000)					
		NET PURCHASE PRICE		\$		197,500					
*Accessories include lighting, radios, striping, misc. equipment.											
FINANCING		OPERATING BUDGET		\$		-					
		UNH - CASH		\$		-					
		BOND - TOWN PORTION		\$		197,500					
		FEDERAL/STATE GRANT		\$		-					
		CAPITAL RESERVE ACCOUNT		\$		-					
		TOTAL FINANCING COSTS		\$		197,500					
IF BONDED		NUMBER OF YEARS				7					
		TOTAL PRINCIPAL		\$		197,500					
		TOTAL INTEREST (EST'D)		\$		23,700					
		TOTAL PROJECT COST		\$		221,200					



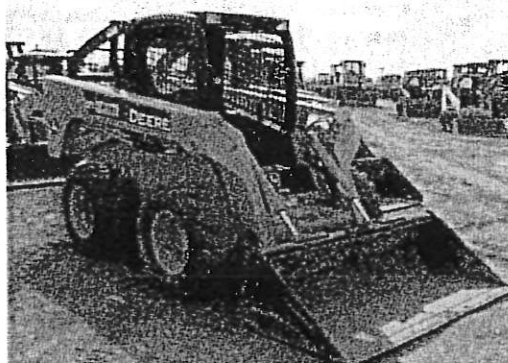
# **CAPITAL IMPROVEMENT PROGRAM**

<b>PROJECT YEAR</b> 2021		<b>EQUIPMENT COST</b> \$205,000
<b>DESCRIPTION</b> <i>Front End Loader Replacement</i>		<b>DEPARTMENT</b> <i>Public Works - Sanitation</i>
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION):</b>		
<p>The Town's 1990 John Deere 544E front end loader will need to be replaced in 2021 when it will be 31 years old. Its reliability and repair have become a concern to DPW.</p> <p>Equipment to Replace:      1990 John Deere 544E</p>		
<b>ESTIMATED COST</b>	<b>PURCHASE PRICE</b>	\$      210,000
	<b>ACCESSORIES*</b>	\$           -
	<b>LESS TRADE-IN**</b>	\$      5,000
	<b>NET PURCHASE PRICE</b>	\$      205,000
	*Accessories include lighting, radios, striping, misc. equipment.	
<b>FINANCING</b>	<b>OPERATING BUDGET</b>	\$           -
	<b>UNH - CASH</b>	\$           -
	<b>BOND - TOWN PORTION</b>	\$      205,000
	<b>FEDERAL/STATE GRANT</b>	\$           -
	<b>CAPITAL RESERVE ACCOUNT</b>	\$           -
	<b>TOTAL FINANCING COSTS</b>	\$      205,000
<b>IF BONDED</b>	<b>NUMBER OF YEARS</b>	7
	<b>TOTAL PRINCIPAL</b>	\$      205,000
	<b>TOTAL INTEREST (EST'D)</b>	\$      24,600
	<b>TOTAL PROJECT COST</b>	\$     229,600



# CAPITAL IMPROVEMENT PROGRAM

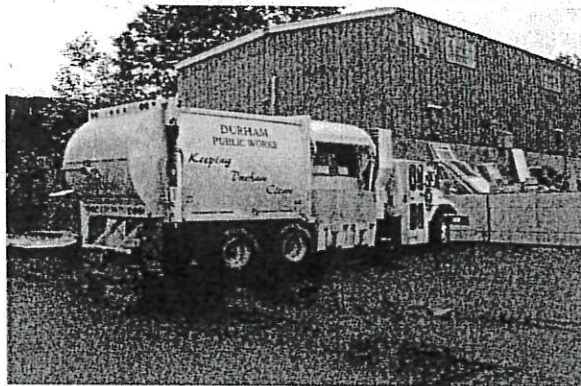
PROJECT YEAR		2023		EQUIPMENT COST		\$42,000	
DESCRIPTION		Skid Steer Replacement		DEPARTMENT		Public Works - Sanitation	
DESCRIPTION (TO INCLUDE JUSTIFICATION):							
<p>The 2008 John Deere Skid Steer is scheduled for replacement in 2023. The skid steer (also called a Bobcat) is utilized in the handling of all recyclables at the Transfer and Recycling Center.</p> <p>This equipment is the most productive way to load/package recyclables into and removal from the baler. The baler compacts recyclables for transporting to market.</p> <p>Tires, tune-ups and fuel are normal costs for this type of equipment.</p>							
Vehicle to be Replaced: 2008 John Deere Skid Steer							
ESTIMATED COST		PURCHASE PRICE		\$	45,000		
		ACCESSORIES*		\$	-		
		LESS TRADE-IN**		\$	(3,000)		
		NET PURCHASE PRICE		\$	42,000		
*Accessories include lighting, radios, striping, misc. equipment.							
FINANCING		OPERATING BUDGET		\$	-		
		UNH - CASH		\$	-		
		BOND - TOWN PORTION		\$	42,000		
		FEDERAL/STATE GRANT		\$	-		
		CAPITAL RESERVE ACCOUNT		\$	-		
		TOTAL FINANCING COSTS		\$	42,000		
IF BONDED:		NUMBER OF YEARS			7		
		TOTAL PRINCIPAL		\$	42,000		
		TOTAL INTEREST (EST'D)		\$	5,000		
		TOTAL PROJECT COST		\$	47,000		





# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2024	VEHICLE COST	\$247,000
DESCRIPTION	Refuse Collection Vehicle Replacement	DEPARTMENT	Public Works - Sanitation
DESCRIPTION (TO INCLUDE JUSTIFICATION):			
<p>The DPW will need to replace the 2015 Refuse Collection Vehicle with a new front line curbside collection vehicle. This vehicle runs approximately 40 hours per week, making 2,200 stops per week and facilitates our curbside refuse collection program. The continuous wear and tear takes its toll on this vehicle.</p> <p>Vehicle to be Replaced: 2015 Freightliner Refuse Vehicle</p>			
ESTIMATED COST	PURCHASE PRICE	\$	250,000
	ACCESSORIES*	\$	-
	LESS TRADE-IN**	\$	(3,000)
	NET PURCHASE PRICE	\$	247,000
	*Accessories include lighting, radios, striping, misc. equipment.		
FINANCING	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	247,000
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	247,000
IF BONDED	NUMBER OF YEARS		7
	TOTAL PRINCIPAL	\$	247,000
	TOTAL INTEREST (EST'D)	\$	29,640
	TOTAL PROJECT COST	\$	276,640



# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR		2025	PROJECT COST		\$261,000
DESCRIPTION			Recycling Vehicle Replacement		
DEPARTMENT			Public Works- Sanitation		
DESCRIPTION (TO INCLUDE JUSTIFICATION):					
<p>The Town would like to replace the current 2015 curbside recycling collection vehicle with a new, more efficient vehicle in 2025. This Recycling Collection Vehicle will replace the 2015 Freightliner/GSP recycling collection vehicle. The new vehicle will be a refuse collection vehicle which packs its materials. This will allow the Town continue to collect single stream recyclables. This vehicle runs 40 hours per week and makes approx. 2,200 stops per week. The continuous wear and tear takes a toll on the vehicle and is on a 10 year replacement schedule. Normal maintenance items such as filters, tires, brakes, lights, and motor oil will add approximately \$4,250 to the operating budget each year for the next 5 years.</p>					
Vehicle to be Replaced: 2015 Freightliner/GSP Curbside Recycler					
ESTIMATED COST		PURCHASE PRICE \$ 266,000			
		ACCESSORIES* \$ -			
		LESS TRADE-IN** \$ (5,000)			
		NET PURCHASE PRICE \$ 261,000			
*Accessories include lighting, radios, striping, misc. equipment.					
FINANCING		OPERATING BUDGET \$ -			
		UNH - CASH \$ -			
		BOND - TOWN PORTION \$ 261,000			
		FEDERAL/STATE GRANT \$ -			
		CAPITAL RESERVE ACCOUNT \$ -			
		TOTAL FINANCING COSTS \$ 261,000			
IF BONDED:		NUMBER OF YEARS 7			
		TOTAL PRINCIPAL \$ 266,000			
		TOTAL INTEREST (EST'D) \$ 31,320			
		TOTAL PROJECT COST \$ 297,320			



**DEPARTMENT HEAD PROPOSED  
2020-2029 CAPITAL IMPROVEMENT PROGRAM**

Description	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
<b>WATER FUND</b>										
Water Extension - Dover Rd to Bagdad/Canney	475,000									
Dover Road 8" Water Main	400,000									
Town/UNH Shared Water System Improvements	70,000	70,000	70,000	70,000						
Wiswall Dam Spillway		490,000								
Madbury Road Water Line Replacement		700,000	975,000							
Backhoe Replacement (Cost split w/Oper. & WW)			26,500							
One Ton Utility Truck Replacement			40,000							
<b>WATER FUND TOTALS</b>	<b>945,000</b>	<b>1,260,000</b>	<b>1,111,500</b>	<b>70,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2020	PROJECT COST	\$475,000
DESCRIPTION	Water Extension	DEPARTMENT	Public Works- Water
IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)			
Department Initiative			
DESCRIPTION (TO INCLUDE JUSTIFICATION)			
This project loops the existing water line on Dover Road at Stone Quarry Drive to the existing water line @ Bagdad Road/Canney Road. This new loop enhances water pressure to this area. 2,000 linear feet @ \$220/Ft.			
ESTIMATED COSTS:	PRELIMINARY STUDY, DESIGN AND ENGINEERING	\$	35,000
	FINAL DESIGN AND ENGINEERING	\$	-
	CONSTRUCTION ENGINEERING OVERSIGHT	\$	440,000
	CONSTRUCTION COSTS	\$	-
	CONTINGENCY	\$	-
	TOTAL PROJECT COST	\$	475,000
FINANCING	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	475,000
	UNH PORTION	\$	-
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	475,000
IF BONDED:	NUMBER OF YEARS		20
	TOTAL PRINCIPAL	\$	475,000
	TOTAL INTEREST	\$	68,000
	TOTAL ESTIMATED COST	\$	543,000





# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2020	PROJECT COST	\$400,000
DESCRIPTION	Dover Road 8" Water Main	DEPARTMENT	Public Works - Water
IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)			
Department Initiative			
DESCRIPTION (TO INCLUDE JUSTIFICATION)			
New 8" water main to be included with Dover Road Force Main Upgrade Project. Additional funding of \$400,000 is needed to complete Bid Alt A and Bid Alt B from Sargent Corporation Dover Road Force Main Bid dated 07/11/19 which would construct a new water main from Route 108 to the WWTP parallel to the newly constructed force main.			
ESTIMATED COSTS:			
	PRELIMINARY STUDY, DESIGN AND ENGINEERING	\$	-
	FINAL DESIGN AND ENGINEERING	\$	-
	CONSTRUCTION ENGINEERING OVERSIGHT	\$	-
	CONSTRUCTION COSTS	\$	400,000
	CONTINGENCY	\$	-
	TOTAL PROJECT COST	\$	400,000
FINANCING			
	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	400,000
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	400,000
IF BONDED:			
	NUMBER OF YEARS		7
	TOTAL PRINCIPAL	\$	400,000
	TOTAL INTEREST	\$	57,000
	TOTAL ESTIMATED COST	\$	457,000



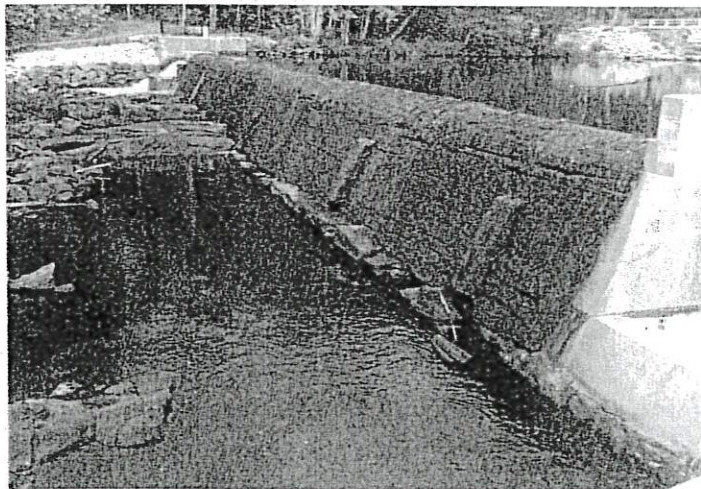
# CAPITAL IMPROVEMENT PROGRAM

<b>PROJECT YEAR</b>	2020 - 2023	<b>PROJECT COST</b>	\$70,000
<b>DESCRIPTION</b>	Town/UNH Shared Water System Improvements	<b>DEPARTMENT</b>	Public Works - Water
<b>IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)</b>			
Department Initiative			
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION)</b>			
2020 - New Watermain for South Road to connect loop to main feed from WTP - \$70,000			
2021 - Main St. from Leavitt to Mast Road, Increasing 10" to 12" - \$70,000			
2022 - Connecting 12" Mains from Strafford Ave to Woodsides from Edgewood - \$70,000			
2023 - Connecting 12" Mains on Main St in front of NH Hall - \$70,000			
*Estimated costs are Town's Share of 1/3 of the total cost estimated at \$210,000 per year			
<b>ESTIMATED COSTS:</b>	PRELIMINARY STUDY, DESIGN AND ENGINEERING	\$	-
	FINAL DESIGN AND ENGINEERING	\$	-
	CONSTRUCTION ENGINEERING OVERSIGHT	\$	-
	CONSTRUCTION COSTS	\$	70,000
	CONTINGENCY	\$	-
	<b>TOTAL PROJECT COST</b>	\$	70,000
<b>FINANCING</b>	OPERATING BUDGET	\$	70,000
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	-
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	<b>TOTAL FINANCING COSTS</b>	\$	70,000
<b>IF BONDED:</b>	NUMBER OF YEARS	N/A	
	TOTAL PRINCIPAL	\$	-
	TOTAL INTEREST	\$	-
	<b>TOTAL ESTIMATED COST</b>	\$	-



# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2021	PROJECT COST	\$490,000
DESCRIPTION	Wiswall Dam Spillway	DEPARTMENT	Public Works - Water
IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)			
NHDES Mandated			
DESCRIPTION (TO INCLUDE JUSTIFICATION)			
<p>The Wiswall Dam was constructed in 1912 and although the abutments have been rehabilitated, including complete replacement of the left abutment in 2011, the spillway has not had any attention in all these years. Part of the 2011 Wiswall Dam Repair and Fishladder Project was to include repair of the dam's spillway and installation of rock anchors in the dam's spillway to improve the dam's stability and reduce the risk of failure. During the 2011 construction it was determined rock anchor installation could not be performed as designed due to the presence of large boulders cast into the spillway's concrete. A geotechnical investigation conducted in July 2012, which included the extraction of two core samples into the spillway confirmed the presence of the boulders and provided concrete strength values needed for the design of the stability solution. The 2014 CIP included \$70,000 for preliminary design and the 2015 CIP included \$90,000 for final design and permitting.</p>			
**\$70,000 (bond) was approved in 2014 and \$90,000 (bond) approved in 2015 towards this project.**			
ESTIMATED COSTS:	PRELIMINARY STUDY, DESIGN AND ENGINEERING	\$	-
	FINAL DESIGN AND ENGINEERING	\$	-
	CONSTRUCTION ENGINEERING OVERSIGHT	\$	-
	CONSTRUCTION COSTS	\$	490,000
	CONTINGENCY	\$	-
	TOTAL PROJECT COST	\$	490,000
FINANCING	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	490,000
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	490,000
IF BONDED:	NUMBER OF YEARS		10
	TOTAL PRINCIPAL	\$	490,000
	TOTAL INTEREST	\$	68,600
	TOTAL ESTIMATED COST	\$	558,600





# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2021	PROJECT COST	\$700,000
DESCRIPTION	Madbury Road Water Line (Garrison - Edgewood)	DEPARTMENT	Public Works - Water
IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)			
Department Initiative			
DESCRIPTION (TO INCLUDE JUSTIFICATION)			
The Madbury Road water line from Garrison Road to Edgewood Road (approx. 2300 ft) is a combination of 6" and 8" old pit cast iron pipe. The Town has experienced 3 water main ruptures in the past 10 years along this stretch of pipe. This project entails replacing the old, undersized pipe with new 12" ductile iron pipe which has a life expectancy of 80-100 years.			
ESTIMATED COSTS:	PRELIMINARY STUDY, DESIGN AND ENGINEERING	\$	-
	FINAL DESIGN AND ENGINEERING	\$	160,000
	CONSTRUCTION ENGINEERING OVERSIGHT	\$	-
	CONSTRUCTION COSTS	\$	540,000
	CONTINGENCY	\$	-
	TOTAL PROJECT COST	\$	700,000
FINANCING	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	700,000
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	700,000
IF BONDED:	NUMBER OF YEARS		20
	TOTAL PRINCIPAL	\$	700,000
	TOTAL INTEREST	\$	294,000
	TOTAL ESTIMATED COST	\$	994,000





# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2022	PROJECT COST	\$975,000
DESCRIPTION	Madbury Road Water Line (Edgewood - Rte 4)	DEPARTMENT	Public Works - Water
IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)			
Department Initiative			
DESCRIPTION (TO INCLUDE JUSTIFICATION)			
The Madbury Road water line from Edgewood Road to Route 4 (approx. 3300 ft) is a combination of 6" old pit cast iron pipe. The Town has experienced 4 water main ruptures in the past 10 years along this stretch of pipe. This project entails replacing the old, undersized pipe with new 12" ductile iron pipe which has a life expectancy of 80-100 years.			
ESTIMATED COSTS:	PRELIMINARY STUDY, DESIGN AND ENGINEERING	\$	-
	FINAL DESIGN AND ENGINEERING	\$	225,000
	CONSTRUCTION ENGINEERING OVERSIGHT	\$	-
	CONSTRUCTION COSTS	\$	750,000
	CONTINGENCY	\$	-
	TOTAL PROJECT COST	\$	975,000
FINANCING	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	975,000
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	975,000
IF BONDED:	NUMBER OF YEARS		20
	TOTAL PRINCIPAL	\$	975,000
	TOTAL INTEREST	\$	409,500
	TOTAL ESTIMATED COST	\$	1,384,500



# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2022	PROJECT COST	\$26,500
DESCRIPTION	Backhoe Replacement	DEPARTMENT	Public Works- Operations, Water, WW
DESCRIPTION (TO INCLUDE JUSTIFICATION):			
<p>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 is 2/3 funded by UNH) will fund this purchase.</p>			
ESTIMATED COST	PURCHASE PRICE	\$	26,500 Water Fund Portion Only
	ACCESSORIES*	\$	-
	LESS TRADE-IN**	\$	-
	NET PURCHASE PRICE	\$	26,500
	*Accessories include lighting, radios, striping, misc. equipment.		
FINANCING	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	26,500
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	26,500
IF BONDED:	NUMBER OF YEARS		7
	TOTAL PRINCIPAL	\$	26,500
	TOTAL INTEREST (EST'D)	\$	3,180
	TOTAL PROJECT COST	\$	29,680



# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2022	VEHICLE COST	\$40,000
DESCRIPTION	1-Ton Utility Truck Replacement	DEPARTMENT	Public Works - Water
DESCRIPTION (TO INCLUDE JUSTIFICATION):			
<p>Replace the Water Division's 2012 Ford 1-ton utility truck.</p> <p>The current vehicle is a 2012 and on a 10 -12 year replacement schedule. Current unit is the only service vehicle in the Water Division and will have approximately 145,000 miles in 2022. This vehicle is equipped with numerous tools and equipment, such as a generator and a 2 ton crane.</p> <p>According to the New England Water Works Association equipment replacement survey 2022 is the optimum time to replace this piece of equipment. We anticipate a \$4,500 trade in.</p>			
Vehicle to be Replaced: 2012 Ford Utility Truck			
ESTIMATED COST	PURCHASE PRICE	\$	43,500
	ACCESSORIES*	\$	1,000
	LESS TRADE-IN**	\$	(4,500)
	NET PURCHASE PRICE	\$	40,000
	*Accessories include lighting, radios, striping, misc. equipment.		
FINANCING	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	40,000
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	40,000
IF BONDED:	NUMBER OF YEARS		7
	TOTAL PRINCIPAL	\$	40,000
	TOTAL INTEREST (EST'D)	\$	3,200
	TOTAL PROJECT COST	\$	43,200



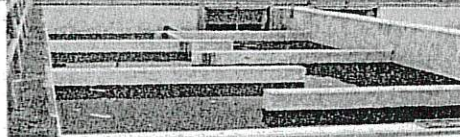
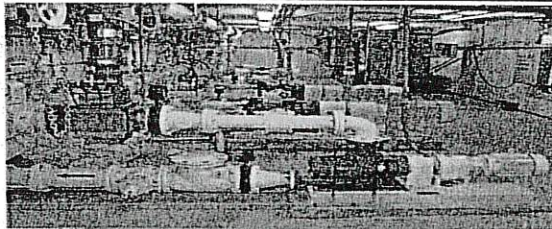
**DEPARTMENT HEAD PROPOSED  
2020-2029 CAPITAL IMPROVEMENT PROGRAM**

Description	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
<b>WASTEWATER FUND</b>										
Wastewater Facilities Plan	425,000	425,000	425,000	425,000	425,000	425,000	425,000			
WWTP Major Components Contingency	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Collection System Repair/Upgrade (Town/UNH)	30,000									
Collection System Repair/Upgrade (Town Only)	65,000									
Backhoe Replacement (Cost split w/Oper. & Water)			26,500							
Commercial Lawnmower			17,500							
WWTP Phase III				2,850,000						
<b>WASTEWATER FUND TOTALS</b>	<b>570,000</b>	<b>475,000</b>	<b>519,000</b>	<b>3,325,000</b>	<b>475,000</b>	<b>475,000</b>	<b>475,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>



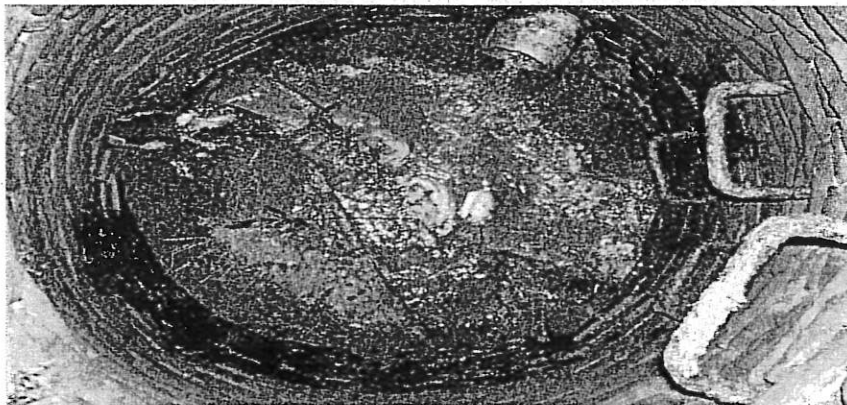
# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2020-2026	PROJECT COST	YEAR 2020 - \$425,000
DESCRIPTION	Wastewater Facilities Plan	DEPARTMENT	Public Works - Wastewater
IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)			
Dept Initiative			
DESCRIPTION (TO INCLUDE JUSTIFICATION)			
<p>2020 - \$425,000 - Sludge Garage and Storage Tank Odor Control System Design</p> <p>2021 - \$425,000 - Sludge Storage Tank Design/ Sludge Garage Odor Control System</p> <p>2022 - \$425,000 - Sludge Storage Tank Design/ Sludge Garage Odor Control System</p> <p>2023 - \$425,000 - Facility Wide SCADA Upgrade</p> <p>2024 - \$425,000 - Primary Gates, Primary Mechanism 1 and 2</p> <p>2025 - \$425,000 - Overall Architectural/Structural Repairs/ Stucco, Plant Process Water</p> <p>2026 - \$425,000 - Upgrade headworks ventilation, investigate solar array for rooftops on buildings</p>			
Per current Agreement, these projects would be funded 2/3 UNH and 1/3 Town.			
ESTIMATED COSTS:	PRELIMINARY STUDY, DESIGN AND ENGINEERING	\$	-
	FINAL DESIGN AND ENGINEERING	\$	-
	CONSTRUCTION ENGINEERING OVERSIGHT	\$	-
	CONSTRUCTION COSTS	\$	425,000
	CONTINGENCY	\$	-
	TOTAL PROJECT COST	\$	425,000
FINANCING	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	141,667
	BOND - UNH PORTION	\$	283,333
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	425,000
IF BONDED:	NUMBER OF YEARS		10
	TOTAL PRINCIPAL	\$	425,000
	TOTAL INTEREST	\$	39,600
	TOTAL ESTIMATED COST	\$	464,600



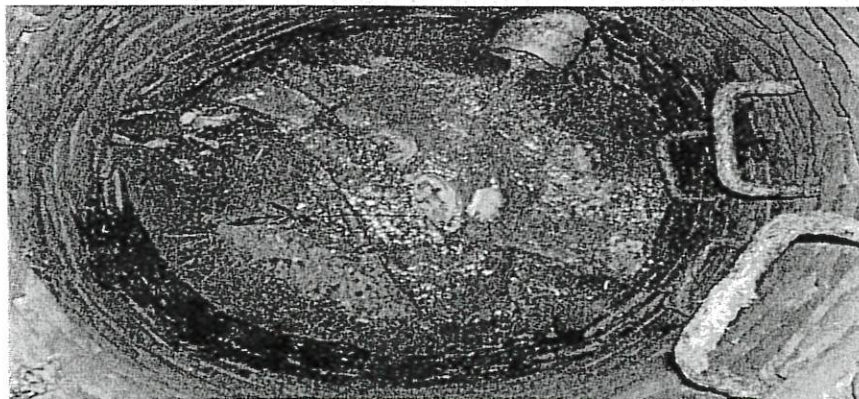
# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2020-2029	PROJECT COST	\$50,000
DESCRIPTION	WWTP Major Components Contingency	DEPARTMENT	Public Works - Wastewater
IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)			
Dept Initiative			
DESCRIPTION (TO INCLUDE JUSTIFICATION)			
Major Components are typically mechanical, laboratory or processing equipment replacements/upgrades necessary to continuing running the WWTP efficiently. The mechanical equipment within the wastewater division is used 24 hours a day - 7 days a week. This account is used for necessary replacements of these major components when they unexpectedly fail.			
Per current Agreement, these projects would be funded 2/3 UNH and 1/3 Town.			
ESTIMATED COSTS:	PRELIMINARY STUDY, DESIGN AND ENGINEERING	\$	-
	FINAL DESIGN AND ENGINEERING	\$	-
	CONSTRUCTION ENGINEERING OVERSIGHT	\$	-
	CONSTRUCTION COSTS	\$	50,000
	CONTINGENCY	\$	-
	TOTAL PROJECT COST	\$	50,000
FINANCING	OPERATING BUDGET	\$	16,667
	UNH - CASH	\$	33,333
	BOND - TOWN PORTION	\$	-
	BOND - UNH PORTION	\$	-
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	50,000
IF BONDED:	NUMBER OF YEARS	N/A	
	TOTAL PRINCIPAL	\$	-
	TOTAL INTEREST	\$	-
	TOTAL ESTIMATED COST	\$	-



# CAPITAL IMPROVEMENT PROGRAM

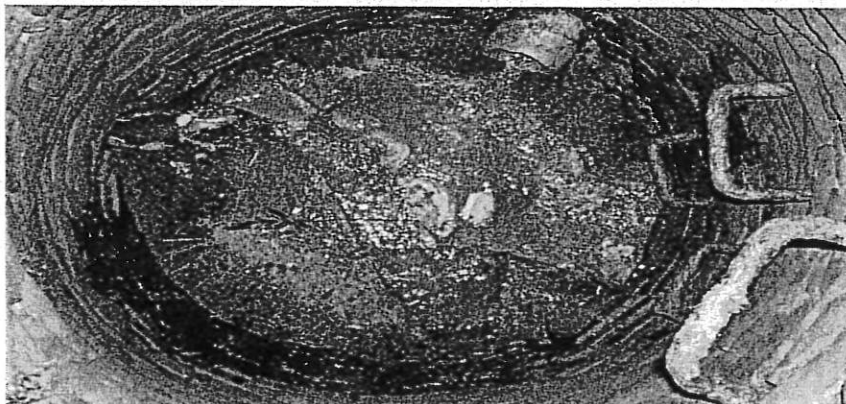
PROJECT YEAR	2020	PROJECT COST	\$30,000
DESCRIPTION	Collection System Repair/ Upgrade (Town/UNH)	DEPARTMENT	Public Works - Wastewater
IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)			
Dept Initiative			
DESCRIPTION (TO INCLUDE JUSTIFICATION)			
Repairs will be made to the Town/UNH shared wastewater collection system including line replacement and line repairs, engineering investigation, sewer manhole rehabilitation or replacement. This project also includes inflow and infiltration within the wastewater collection system. Inflow is the illegal connection of plumbing such as a sump pump into the Wastewater Collection System and infiltration is the seepage of groundwater or stormwater into the Wastewater Collection System. The amount of staff time spent on collection system maintenance will decrease as these problem areas are corrected.			
Per current Agreement, these projects would be funded 2/3 UNH and 1/3 Town.			
ESTIMATED COSTS:	PRELIMINARY STUDY, DESIGN AND ENGINEERING	\$	-
	FINAL DESIGN AND ENGINEERING	\$	-
	CONSTRUCTION ENGINEERING OVERSIGHT	\$	-
	CONSTRUCTION COSTS	\$	30,000
	CONTINGENCY	\$	-
	TOTAL PROJECT COST	\$	30,000
FINANCING	OPERATING BUDGET	\$	10,000
	UNH - CASH	\$	20,000
	BOND - TOWN PORTION	\$	-
	BOND - UNH PORTION	\$	-
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	30,000
IF BONDED:	NUMBER OF YEARS		N/A
	TOTAL PRINCIPAL	\$	-
	TOTAL INTEREST	\$	-
	TOTAL ESTIMATED COST	\$	-





# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2020	PROJECT COST	\$65,000
DESCRIPTION	Collection System Repair/ Upgrade (Town)	DEPARTMENT	Public Works - Wastewater
IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)			
Dept Initiative			
DESCRIPTION (TO INCLUDE JUSTIFICATION)			
<p>Repairs will be made to the Town's wastewater collection system including line replacement and line repairs, engineering investigation, sewer manhole rehabilitation or replacement. This project also includes inflow and infiltration within the wastewater collection system. Inflow is the illegal connection of plumbing such as a sump pump into the Wastewater Collection System and infiltration is the seepage of groundwater or stormwater into the Wastewater Collection System. The amount of staff time spent on collection system maintenance will decrease as these problem areas are corrected.</p> <p>Various manholes within the collection system need to be rehabilitated or replaced, including those on Faculty Road, Park Court, Madbury Road, Dennison Road and Hoitt Drive. Additionally, sewer tv'ing work will continue in order to prioritize future sewer line rehab projects.</p>			
Per current Agreement, this project will be funded 100% by the Town.			
ESTIMATED COSTS:	PRELIMINARY STUDY, DESIGN AND ENGINEERING	\$	-
	FINAL DESIGN AND ENGINEERING	\$	-
	CONSTRUCTION ENGINEERING OVERSIGHT	\$	-
	CONSTRUCTION COSTS	\$	65,000
	CONTINGENCY	\$	-
	TOTAL PROJECT COST	\$	65,000
FINANCING	OPERATING BUDGET	\$	65,000
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	-
	BOND - UNH PORTION	\$	-
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	65,000
IF BONDED:	NUMBER OF YEARS	N/A	
	TOTAL PRINCIPAL	\$	-
	TOTAL INTEREST	\$	-
	TOTAL ESTIMATED COST	\$	-





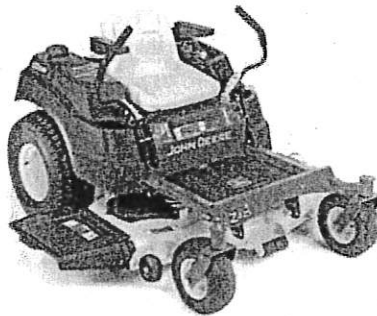
# **CAPITAL IMPROVEMENT PROGRAM**

PROJECT YEAR		2022	PROJECT COST		\$26,500
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 is 2/3 is funded by UNH) will fund this purchase.					
Vehicle to be Replaced: 2006 JCB Backhoe					
Per current Agreement, these projects would be funded 2/3 UNH and 1/3 Town.					
ESTIMATED COST	PURCHASE PRICE		\$	26,500	
	ACCESSORIES*		\$	-	
	LESS TRADE-IN**		\$	-	
	NET PURCHASE PRICE		\$	26,500	
	*Accessories include lighting, radios, striping, misc. equipment.				
FINANCING	OPERATING BUDGET		\$	-	
	UNH - CASH		\$	-	
	BOND - TOWN PORTION		\$	8,833	
	BOND - UNH PORTION		\$	17,667	
	FEDERAL/STATE GRANT		\$	-	
	CAPITAL RESERVE ACCOUNT		\$	-	
	TOTAL FINANCING COSTS		\$	26,500	
IF BONDED:	NUMBER OF YEARS		\$	7	
	TOTAL PRINCIPAL		\$	26,500	
	TOTAL INTEREST (EST'D)		\$	3,180	
	TOTAL PROJECT COST		\$	29,680	



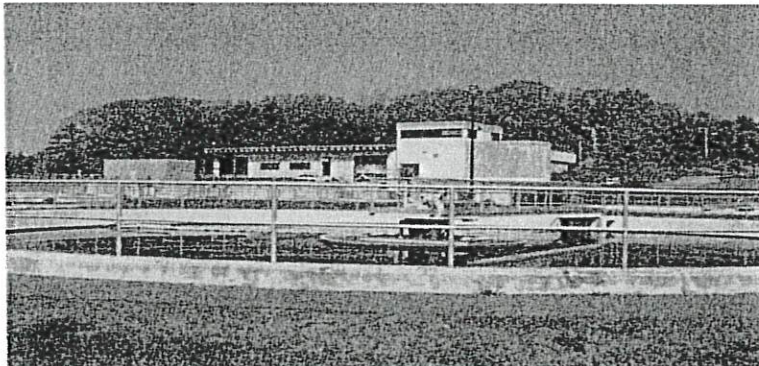
# CAPITAL IMPROVEMENTS PROGRAM

PROJECT YEAR		2022	EQUIPMENT COST		\$17,500
DESCRIPTION			Commercial Lawnmower Replacement		
DEPARTMENT			Public Works - Wastewater		
DESCRIPTION (TO INCLUDE JUSTIFICATION):					
Replacement of 2013 zero turning radius commercial lawn mower needed to maintain the five acre Wastewater Treatment site. The current mower will be 9 years old in 2022 and due to wear and tear and reduced performance needs to be replaced. Minor routine maintenance is estimated at \$300/year.					
Equipment to Replace: 2013 John Deere					
Per current Agreement, these projects would be funded 2/3 UNH and 1/3 Town.					
ESTIMATED COST	PURCHASE PRICE	\$	17,500		
	ACCESSORIES*	\$	-		
	LESS TRADE-IN**	\$	-		
	NET PURCHASE PRICE	\$	17,500		
*Accessories include lighting, radios, striping, misc. equipment.					
FINANCING	OPERATING BUDGET	\$	5,833		
	UNH - CASH	\$	11,667		
	BOND - TOWN PORTION	\$	-		
	BOND - UNH PORTION	\$	-		
	FEDERAL/STATE GRANT	\$	-		
	CAPITAL RESERVE ACCOUNT	\$	-		
	TOTAL FINANCING COSTS	\$	17,500		
IF BONDED:	NUMBER OF YEARS	N/A			
	TOTAL PRINCIPAL	\$	-		
	TOTAL INTEREST (EST'D)	\$	-		
	TOTAL PROJECT COST	\$	-		



# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2023	PROJECT COST	\$2,850,000
DESCRIPTION	WWTP Phase III	DEPARTMENT	Public Works - Wastewater
IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)			
Mandated			
DESCRIPTION (TO INCLUDE JUSTIFICATION)			
<p>The NPDES discharge permit is a federal permit which allows the Town of Durham Wastewater Treatment Facility to safely discharge (treated) effluent into the Oyster River.</p> <p>NPDES Permit renewal was due in 2005. EPA should have issued a new draft and final NPDES permit in 2004 for the 2005-2010 time frame. As of the writing of this document the town has still not received a new NPDES Permit. Stricter limits on Copper, Zinc, Nitrogen and Ammonia are expected. The Wastewater Facilities Plan update prepared by Wright-Pierce recommended upgrading the Treatment Plan to an enhanced biological nutrient removal process and carry out a pilot test to evaluate the best treatment options. This was completed in 2014 with the Sludge Dewatering and Four Stage Bardenpho Nutrient Removal Pilot Project. Results of the pilot are still being studied. The final phase of this project is the full conversion of the treatment process for enhanced nutrient removal based on the NPDES permit utilizing results of the pilot study.</p> <p>The Town is in serious discussion about combining our stormwater management permit, MS4 and this NPDES permit into one intergrated permit.</p>			
Per current Agreement, these projects would be funded 2/3 UNH and 1/3 Town.			
ESTIMATED COSTS:	PRELIMINARY STUDY, DESIGN AND ENGINEERING	\$	-
	FINAL DESIGN AND ENGINEERING	\$	350,000
	CONSTRUCTION ENGINEERING OVERSIGHT	\$	-
	CONSTRUCTION COSTS	\$	2,500,000
	CONTINGENCY	\$	-
	TOTAL PROJECT COST	\$	2,850,000
FINANCING	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	950,000
	BOND - UNH PORTION	\$	1,900,000
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	2,850,000
IF BONDED:	NUMBER OF YEARS		20
	TOTAL PRINCIPAL	\$	2,850,000
	TOTAL INTEREST	\$	1,167,000
	TOTAL ESTIMATED COST	\$	4,017,000



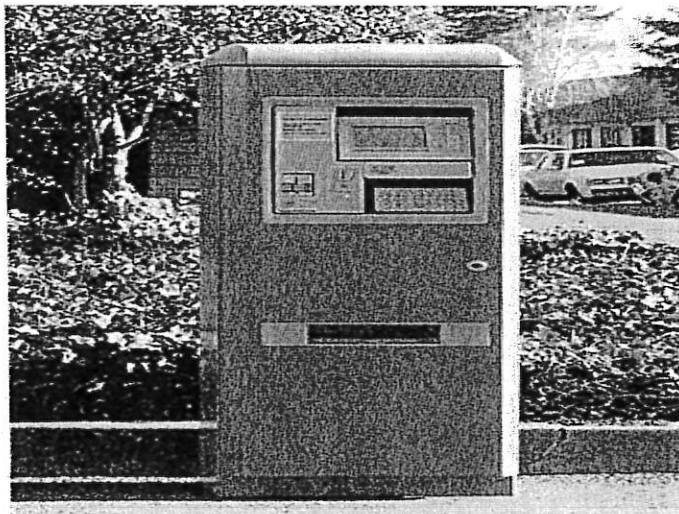
# **DEPARTMENT HEAD PROPOSED 2020-2029 CAPITAL IMPROVEMENT PROGRAM**

Description	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
<b>PARKING FUND</b>										
Replace VenTex Parking Kiosks	104,000	104,000	104,000							
<b>PARKING FUND TOTALS</b>	<b>104,000</b>	<b>104,000</b>	<b>104,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>



# CAPITAL IMPROVEMENT PROGRAM

<b>PROJECT YEAR</b>	2022-2025	<b>PROJECT COST</b>	\$312,000
<b>DESCRIPTION</b>	Replace VenTek Parking Kiosks	<b>DEPARTMENT</b>	Parking
<b>IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)</b>			
This is a proposal to consider the replacement of the 27 parking kiosks that are currently in service throughout the Town of Durham. The total would replace all the kiosks but is suggested that the project be accomplished over three (3) years with nine (9) replaced each year			
<b>DESCRIPTION (TO INCLUDE JUSTIFICATION)</b>			
The Town of Durham has had a long standing relationship with the VenTek Corporation for providing parking kiosks that oversee payments via the park and display system. In this manner, the customer parks their vehicle, walks to a conveniently located kiosk and pays with cash, credit or debit card. They retrieve their receipt from the kiosk and place the receipt on the dashboard of their vehicle to demonstrate that they have paid for the parking rights. Many of the machines are now approaching 9 years old and a plan should be formulated to ensure that there is appropriate planning for replacement/upgrade of existing infrastructure. This is a CIP item that can be extended with the knowledge that replacement will need to occur in the near future.			
<b>ESTIMATED COST</b>	<b>PURCHASE PRICE</b>	\$	104,000.00 PER YEAR
	<b>ACCESSORIES</b>	\$	-
	<b>TOTAL PROJECT COST</b>	\$	312,000
<b>FINANCING</b>	<b>OPERATING BUDGET</b>	\$	-
	<b>UNH - CASH</b>	\$	-
	<b>BOND - TOWN PORTION</b>	\$	312,000
	<b>UNH PORTION</b>	\$	-
	<b>FEDERAL/STATE GRANT</b>	\$	-
	<b>CAPITAL RESERVE ACCOUNT</b>	\$	-
	<b>TOTAL FINANCING COSTS</b>		
<b>IF BONDED:</b>	<b>NUMBER OF YEARS</b>		10
	<b>TOTAL PRINCIPAL</b>	\$	312,000
	<b>TOTAL INTEREST</b>	\$	58,000
	<b>TOTAL ESTIMATED COST</b>	\$	370,000



**DEPARTMENT HEAD PROPOSED  
2020-2029 CAPITAL IMPROVEMENT PROGRAM**

Description	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
<b>CHURCHILL RINK FUND</b>										
Renovations	1,832,000									
<b>CHURCHILL RINK FUND TOTALS</b>	<b>1,832,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2020	PROJECT COST	\$1,832,000
DESCRIPTION	Churchill Rink Renovation	DEPARTMENT	Churchill Rink/Recreation
IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)			
Improving the facility to ensure continued functionality, improve user experience and create appropriate space for off-season use.			
DESCRIPTION (TO INCLUDE JUSTIFICATION)			
<p>Major operational components of the facility are dated and/or in poor repair. To ensure continued functionality without interruption for coming decades, we propose these components be updated. Specifically, the rink refrigerated concrete slab and the rink board and glass system attached to the slab have deteriorated over time from extended use (rink boards) and/or sub-par initial installation and decades of use (concrete slab). The rink boards were donated by UNH and once used in the old Snively arena and the roof collapsed on them at this facility circa 1996.</p> <p>A major deficiency at the facility has, and continues to be, a lack of warm public/common space for spectators/parents to congregate comfortably. As part of the initiative to upgrade the heart of the facility, our ice-making system, the existing ice surface (85' x 200' long) would be removed and replaced with one 15-feet shorter in length and remain legal in size (85' x 185'). This change would allow us to reallocate existing space for a warming/community/lobby/ recreation area at the west end of the facility with a view of the ice without extension of our existing footprint. This space would be adequate for use by low-impact Recreation Department programs, as well as viewing of on-ice activities.</p> <p>Another key aspect of this project would be the 100% enclosure of the building envelope and a dehumidification system to increase usability during warm humid weather and during extreme cold spells. This will halt decay from moisture on steel and concrete, prevent walkways from being slippery and dangerous, and prevent birds and pollen from making the facility near impossible to keep clean for off-season use. Plans are in place to retain views to the outside on the east end of the facility by way of windows or functional transparent panel overhead doors that can be opened as weather permits. Other windows to the outside are being considered where practical to retain benefits of natural light and present the illusion skaters are on a pond.</p> <p>Other proposed upgrades include replacing existing flourescent light fixtures with LED, a fire suppression and alarm system, and an energy efficient low-emissivity ceiling. We are also discussing the potential for a 4-unit locker room facility with showers and bathrooms at the west end outside of the existing footprint.</p> <p>Funding for completion of all components of this major initiative would be accomplished by bond with 100% of the principal and interest payments made from the rink operating budget, rink fund balance, or fundraising. All annual operational expenses to run the rink is covered by revenue generated at the facility. No tax dollars are used and none would be used to fund these improvements.</p>			
\$23,000 was spent in 2017 for architectural services.			
ESTIMATED COSTS:	DESIGN ENGINEERING	\$	-
	CONSTRUCTION	\$	1,832,000
	NET PURCHASE PRICE	\$	1,832,000
FINANCING	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	1,832,000
	FEDERAL/STATE GRANT	\$	-
	CAPITAL RESERVE ACCOUNT	\$	-
	TOTAL FINANCING COSTS	\$	1,832,000
IF BONDED:	NUMBER OF YEARS		20
	TOTAL PRINCIPAL	\$	1,832,000
	TOTAL INTEREST	\$	800,000
	TOTAL ESTIMATED COST	\$	2,632,000

See attached breakdown of project components and estimated costs.

<b>CIP Plan Churchill Rink 2020</b>		
ENCLOSE & INSULATE	\$	200,000.00
CONCRETE WORK	\$	30,000.00
REFRIGERATION ROOM ADDITION	\$	50,000.00
DEHUMIDIFICATION		
	REFURB A30 UNIT WE OWN	\$ 25,000.00
	DUCTING	\$ 10,000.00
	ELECTRICAL	\$ 5,000.00
	GAS PIPING	\$ 5,000.00
	CONCRETE SLAB	\$ 5,000.00
	DEUMIDIFICATION CONT.	\$ 50,000.00
DEHUMIDIFICATION TOTAL	\$	100,000.00
FIRE SUPPRESSION SYSTEM		
	PLUMBING	\$ 75,000.00
	ELECTRICAL	\$ 50,000.00
	WATER LINE	\$ 10,000.00
FIRE SUPPRESSION SYSTEM TOTAL	\$	135,000.00
REFRIGERATION SLAB REPLACEMENT		
	NEW CONCRETE SLAB	\$ 450,000.00
	DEMO OLD SLAB	\$ 100,000.00
REFRIGERATION SLAB REPLACEMENT TOTAL	\$	550,000.00
DASHERBOARD SYSTEM	\$	175,000.00
LOW EMISSIVITY CEILING	\$	50,000.00
LIGHTING UPGRADE TO LED	\$	12,000.00
WARMING AREA/LOBBY/RECREATION SPACE	\$	100,000.00
FLOOR MATTING	\$	10,000.00
ENGINEERING	\$	20,000.00
LOCKER ROOM ADDITION	\$	400,000.00
SUB TOTAL	\$	1,832,000.00
TARGET BOND - NOT TO EXCEED BUDGET AMOUNT	\$	1,000,000.00
SHORTAGE (FUNDRAISING, INCREASE REV, REDUCE SCOPE, CHANGE COURSE)	\$	832,000.00
TOTAL ALL PROJECTS	\$	1,832,000.00

<b>SOME IDEAS FOR COVERAING SHORTAGE</b>		
(DELETE NEW LIGHTS)	\$	(12,000.00)
(REDUCED COST BOARDS CUZ UNH GIVES/SELLS US THEIRS CHEAP)	\$	(125,000.00)
(REDUCED COST LOCKER ROOMS, CUZ MY NUMBERS MAY BE HIGH)	\$	(100,000.00)
(REDUCED COST LOBBY, SAME AS ABOVE)	\$	(25,000.00)
(1X PAYMENT FROM FUND BALANCE IN 2022, SHOULD BE AT \$300K BY THEN)	\$	(100,000.00)
(FUNDRAISING)	\$	(225,000.00)
(INCREASED AD SALES REVENUE PER YEAR TO SUPPORT MORE DEBT)	\$	-
REVISED DEBT SERVICE TOTAL	\$	1,245,000.00



# **DEPARTMENT HEAD PROPOSED 2020-2029 CAPITAL IMPROVEMENT PROGRAM**

Description	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
<b>DOWNTOWN TAX INCREMENT FINANCING DISTRICT</b>										
Structured Parking	3,500,000									
Purchase of Parking Lot (Sammy's Lot)	1,500,000									
<b>TIF DISTRICT TOTALS</b>	<b>5,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2020	PROJECT COST	\$3,500,000
DESCRIPTION	Downtown Structured Parking	DEPARTMENT	Administration
IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)			
DESCRIPTION (TO INCLUDE JUSTIFICATION)			
<p>The Town has been evaluating the need for a downtown structured parking facility in conjunction with the redevelopment of the former ATO property to service that development and the entire downtown. Details of the project are unknown at this early point in time. The structured parking may be on the ATO site or another site in its vicinity. It is anticipated that the redevelopment will be a joint venture between the Town of Durham, University of New Hampshire and a yet to be determined private partner.</p> <p>For planning purposes, we are estimating a 100 space parking garage at a cost of \$35,000 per space. This is a preliminary estimate and is being placed in the CIP for planning purposes only.</p>			
ESTIMATED COSTS:	PRELIMINARY STUDY, DESIGN AND ENGINEERING	\$	-
	FINAL DESIGN AND ENGINEERING	\$	-
	CONSTRUCTION ENGINEERING OVERSIGHT	\$	-
	CONSTRUCTION COSTS	\$	3,500,000
	CONTINGENCY	\$	-
	TOTAL PROJECT COST	\$	3,500,000
FINANCING	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	-
	FEDERAL/STATE GRANT	\$	-
	UNDETERMINED	\$	3,500,000
	TOTAL FINANCING COSTS	\$	3,500,000
IF BONDED:	NUMBER OF YEARS		20
	TOTAL PRINCIPAL	\$	3,500,000
	TOTAL INTEREST	\$	1,650,000
	TOTAL ESTIMATED COST	\$	5,150,000



# CAPITAL IMPROVEMENT PROGRAM

PROJECT YEAR	2020	PROJECT COST	\$1,500,000
DESCRIPTION	Purchase of Sammy's Lot (Formerly Store 24/Tedesci)	DEPARTMENT	Administration
IMPETUS FOR PROJECT (IE. MANDATED, COUNCIL GOAL, DEPT INITIATIVE, ETC.)			
Department Initiative			
DESCRIPTION (TO INCLUDE JUSTIFICATION)			
<p>The 51 space Sammy's lot lies in the heart of downtown Durham and provides essential parking to service many of Durham's downtown businesses. The lot is actually owned by UNH and is conveyed to Durham on a year to year basis via a Memorandum of Agreement between the parties in exchange for UNH use of parking on Town-owned Strafford Avenue. Given the strategic proximity of this parcel to downtown Durham, it makes good sense for Durham to propose to UNH the outright purchase of the property. The parcel has not been appraised but value is an assessor's estimate.</p> <p>Tax Map 4, Lot 13 - 0.86 Total Acres</p> <p>Allocation of Spaces:      46 Spaces - Regular Parking                                               4 Spaces - Universal Access                                               1 Space - 15 Minute Parking</p>			
ESTIMATED COSTS:	PURCHASE COST	\$	1,500,000
FINANCING	OPERATING BUDGET	\$	-
	UNH - CASH	\$	-
	BOND - TOWN PORTION	\$	800,000
	FEDERAL/STATE GRANT	\$	-
	PARKING IMPACT FEES	\$	700,000
	TOTAL FINANCING COSTS	\$	1,500,000
IF BONDED:	NUMBER OF YEARS		20
	TOTAL PRINCIPAL	\$	800,000
	TOTAL INTEREST	\$	395,000
	TOTAL ESTIMATED COST	\$	1,195,000

