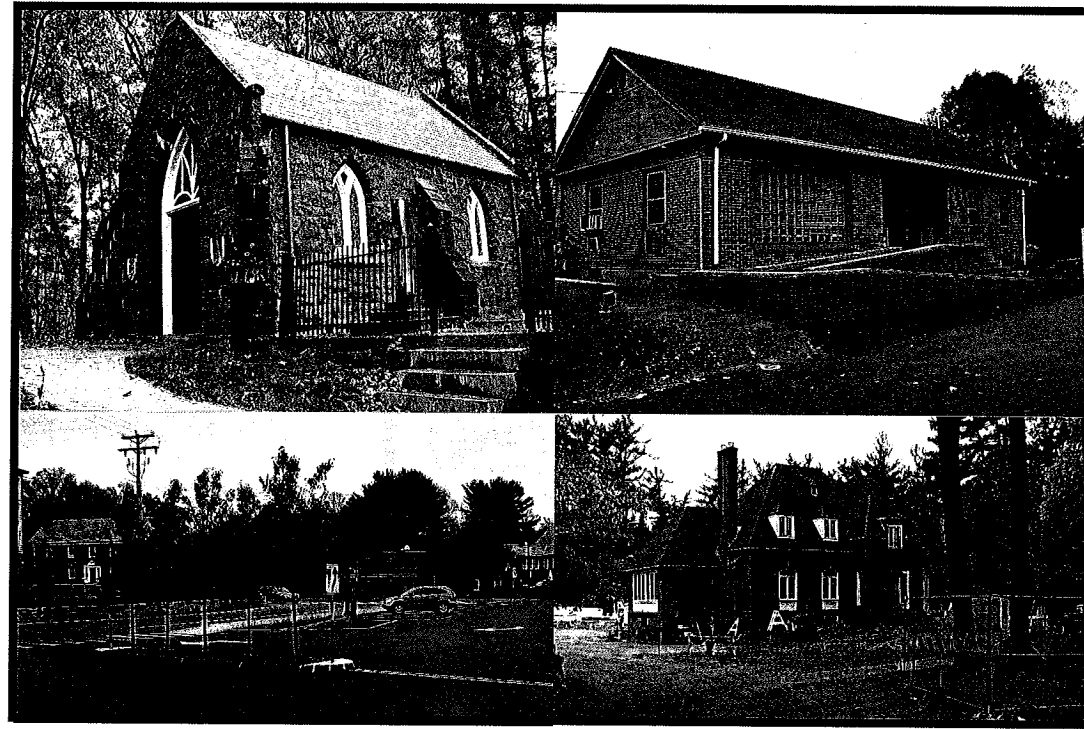


TOWN OF DURHAM



APPROVED

2013 - 2022

CAPITAL IMPROVEMENTS PROGRAM

December 10, 2012

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APPROVED 2013-2022 CAPITAL IMPROVEMENTS PROGRAM

Description	Rank	2013	Rank	2014	Rank	2015	Rank	2016	Rank	2017	Rank	2018	Rank	2019	Rank	2020	Rank	2021	Rank	2022
Library Trustees																				
New Library	1	350,000																		
LIBRARY TOTALS		350,000		-		-		-		-		-		-		-		-		-
Recreation																				
Wagon Hill Parking			1	26,500																
RECREATION TOTALS		-		26,500		-		-		-		-		-		-		-		-
Planning																				
Technology Drive Infrastructure Improvement																		1		2,145,000
PLANNING TOTALS		-		-		-		-		-		-		-		-		-		2,145,000
Police Department																				
Vehicle Replacement (Purchase 2/Yr)	1	62,000	1	62,000	1	62,000	1	60,000	1	60,000	1	62,000	1	64,000	1	64,000	1	65,000	1	65,000
Radio Replacements	2	54,130																		
Building Needs Assessment	3	5,000			2	50,000														
POLICE TOTALS		121,130		62,000		112,000		60,000		60,000		62,000		64,000		64,000		65,000		65,000
Fire Department																				
New Fire Station	1	557,400			1	110,500	1	8,171,400												
Radio Upgrades	2	204,048							1	55,000									2	140,000
Utility Vehicle Purchase (Silverado)	3	39,050																		
Asst. Chief Vehicle Replacement (Suburban)	4	63,000															1	70,000		
Upgrade to Web Based Software - FH	5	28,155																		
Radio Upgrades in Schools	6	68,905																		
Engine 1 Replacement			1	600,000																

APPROVED 2013-2022 CAPITAL IMPROVEMENTS PROGRAM

Description	Rank	2013	Rank	2014	Rank	2015	Rank	2016	Rank	2017	Rank	2018	Rank	2019	Rank	2020	Rank	2021	Rank	2022
Water Rescue Vehicles Purchase			2	28,000																
Thermal Imaging Camera Replacement			3	19,000			2	15,000										3		15,000
Vehicle Air Bag Lifts Replacements			4	10,000																
Deputy Chief's Vehicle Replacement (Explorer)					2	45,000														
Hurst Tool Replacement					3	50,000														
Confined Space Trailer Replacement							3	50,000												
Engine 2 Replacement											1	650,000								
Fire Prevention Vehicle Replacement (Explorer)											2	45,000								
Chief's Vehicle Replacement (Tahoe)											3	55,000								
Forestry Unit Replacement											4	70,000								
Medic 1 Replacement														1		100,000				
Radio Antenna Upgrades														2		250,000				
Defibrillator Replacement														3		40,000				
Washing Extractor/Dryer Purchase														4		15,000				
Turnout Gear Replacement																		1		110,000
FIRE TOTALS		960,558		657,000		205,500		8,236,400		55,000		820,000		-		405,000		70,000		265,000
Public Works - Engineering Division																				
1/2 Ton Pickup Purchase	1	13,500																		
Stormwater Management System Improvements	2	520,000	1	325,000	1	300,000	1	275,000	1	225,000	1	160,000	1	110,000	1	110,000				
Culvert & Outfalls Improvements Program	3	19,500	2	21,200	2	149,515	2	92,696	2	95,877	2	92,355	2	89,114	2	97,207				
PW - ENGINEERING TOTALS		553,000		346,200		449,515		367,696		320,877		252,355		199,114		207,207		-		-
Public Works - Operations Division																				
Road Resurfacing	1	331,407	1	412,410	1	382,779	1	425,647	1	362,017	1	425,402	1	488,457	1	326,672	1	427,034		409,630
Dump Truck Replacement	2	136,000	2	138,000	2	140,000	2	142,000					2	148,000						

APPROVED 2013-2022 CAPITAL IMPROVEMENTS PROGRAM

Description	Rank	2013	Rank	2014	Rank	2015	Rank	2016	Rank	2017	Rank	2018	Rank	2019	Rank	2020	Rank	2021	Rank	2022
Coe Drive Sidewalk				68,800																
One-Half Ton Pickup Truck Replacement	4	18,500																		
Street Lighting Upgrades	5	173,745																		
Sidewalk Improvements	6	102,260	3	48,000	3	39,000	3	32,500	2	14,600	3	41,200								
Main Street Railroad Bridge	7	78,500																		
Rubber Tire Excavator	8	215,000																		
Longmarsh Road Culvert Engineering/Replacement			4	765,000																
Crommets Creek Bridge Repair					4	359,000														
Downtown Parking Lot Paving					5	72,414														
Solar Message Trailer and Panels					6	36,138														
Backhoe Replacement (cost split w/Water & WW)											2	54,250								
Front End Loader Replacement														2		254,000				
Sidewalk Plow Tractor Replacement														3		125,000				
PW - OPERATIONS TOTALS		1,055,412		1,432,210		1,029,331		600,147		376,617		520,852		636,457		705,672		427,034		409,630
Public Works- Buildings & Grounds Division																				
New Town Hall	1	1,333,700																		
Landscape Trailer Replacement	2	10,225																		
Pedestrian Bridge - Old Landing Park	3	10,800																		
One-Half Ton Pickup Truck Replacement					1	13,800														
One Ton Dump Truck Replacement							1	46,000												
Old Landing Park Improvements							2	86,474												
3/4 Ton Pickup Replacement																				26,000
PW - BLDGS & GRDS TOTALS		1,354,725		-		13,800		132,474		-		-		-		-		-		26,000
Public Works - Sanitation Division																				
Refuse Collection Vehicle Replacement			1	225,000																

APPROVED 2013-2022 CAPITAL IMPROVEMENTS PROGRAM

Description	Rank	2013	Rank	2014	Rank	2015	Rank	2016	Rank	2017	Rank	2018	Rank	2019	Rank	2020	Rank	2021	Rank	2022
Recycling Collection Vehicle Replacement					1	104,000														
PW - SANITATION TOTALS		-		225,000		104,000		-		-		-		-		-		-		-
PUBLIC WORKS TOTALS		2,963,137		2,003,410		1,596,646		1,100,317		697,494		773,207		835,571		912,879		427,034		435,630
TOTAL GENERAL FUND		\$4,394,825		\$2,748,910		\$1,914,146		\$9,396,717		\$812,494		\$1,655,207		\$899,571		\$1,381,879		\$562,034		\$2,910,630
Water Fund																				
Spruce Hole Well Development	1	302,000	1	1,378,000																
Beech Hill & Foss Farm Water Tank Reconditioning	2	815,000																		
Wiswall Dam Spillway			2	70,000	1	465,000														
Backhoe Replacement (Cost split w/Oper. & WW)											1	27,125								
One Ton Utility Truck Replacement																		1		40,000
TOTAL WATER FUND		\$1,117,000		\$1,448,000		\$465,000		\$0		\$0		\$27,125		\$0		\$0		\$0		\$40,000
Wastewater Fund																				
Sludge Dewatering Equipment Replacement	1	2,500,000																		
Commercial Lawnmower Replacement	2	10,500																		
Major Components Replacement	3	7,500	2	10,000	3	190,000	1	190,000	2	1,035,000	1	1,030,000	1	1,000,000	1	280,000	1	1,530,000	1	1,535,000
Diesel Generator Replacement			1	125,000																
Collection System Upgrades			3	150,000	2	520,000														
18" Force Main Replacement			4	80,000							4	220,000	3	2,200,000						
WWTP Phase III					1	680,000			1	7,980,000										
Backhoe Replacement (Cost split w/Oper. & Water)											2	27,125								
3/4 Ton Pickup Truck Replacement											3	31,900	2	32,900						
TOTAL WASTEWATER FUND		\$2,518,000		\$365,000		\$1,390,000		\$190,000		\$9,015,000		\$1,309,025		\$3,232,900		\$280,000		\$1,530,000		\$1,535,000

APPROVED 2013-2022 CAPITAL IMPROVEMENTS PROGRAM

Description	Rank	2013	Rank	2014	Rank	2015	Rank	2016	Rank	2017	Rank	2018	Rank	2019	Rank	2020	Rank	2021	Rank	2022
STONE QUARRY DRIVE TIF DISTRICT																				
Phase III - Infrastructure Improvements (Trail to Durham Business Park)																				79,030
TOTAL SQD TIF DISTRICT		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$79,030
DOWNTOWN TIF DISTRICT																				
Implementation of Improvements			1	75,000	1	118,080			1	77,297			1	651,871						
TOTAL DT TIF DISTRICT		\$0		\$75,000		\$118,080		\$0		\$77,297		\$0		\$651,871		\$0		\$0		\$0
CHURCHILL RINK																				
Renovations			1	565,000																
TOTAL CHURCHILL RINK		\$0		\$565,000		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0
TOTAL ALL FUNDS																				
		\$8,029,825		\$5,201,910		\$3,887,226		\$9,586,717		\$9,904,791		\$2,991,357		\$4,764,342		\$1,661,879		\$2,092,034		\$4,564,660

2013 CAPITAL IMPROVEMENT PROGRAM

Description	Operating Budget	UNH	Bonding		State & Federal	Capital Reserve	Trade & Other	Total
			Town	UNH				
<u>General Fund</u>								
Library Trustees								
New Library							350,000	350,000
Police Department								
Vehicle Replacement	62,000							62,000
Radio Replacements	27,065				27,065			54,130
Building Needs Assessment	5,000							5,000
Fire Department								
New Fire Station			48,700	278,700		230,000		557,400
Radio Upgrades					102,024	102,024		204,048
Utility Vehicle Purchase						39,050		39,050
Assistant Chief Vehicle Replacement						63,000		63,000
Upgrade to Web Based Software - Fire House					14,077	14,078		28,155
Radio Upgrades in Schools					34,452		34,453	68,905
Public Works								
Engineering Division								
1/2 Ton Pickup Truck Purchase	13,500							13,500
Stormwater Management System Improvements			520,000					520,000
Culvert & Outfalls Improvement Program	19,500							19,500
Operations Division								
Road Resurfacing	309,733	21,674						331,407
Dump Truck 33,400 GVW			136,000					136,000
One-Half Ton Pickup Truck Replacement	18,500							18,500
Street Lighting Upgrades					173,745			173,745
Sidewalk Improvements (Madbury/Garrison)			102,260					102,260

2013 CAPITAL IMPROVEMENT PROGRAM

Description	Operating Budget	UNH	Bonding		State & Federal	Capital Reserve	Trade & Other	Total
			Town	UNH				
Main Street Railroad Bridge			78,500					78,500
Rubber Tire Excavator			215,000					215,000
Buildings and Grounds Division								
New Town Hall			878,700				455,000	1,333,700
Landscape Trailer Replacement	10,225							10,225
Pedestrian Bridge - Old Landing Park	10,800							10,800
Total General Fund	476,323	21,674	1,979,160	278,700	351,363	448,152	839,453	4,394,825
<u>Water Fund</u>								
Spruce Hole Well Development		201,333	100,667					302,000
Beech Hill & Foss Farm Water Tank Reconditioning			750,000			65,000		815,000
Total Water Fund	0	201,333	850,667	0	0	65,000	0	1,117,000
<u>Wastewater Fund</u>								
Sludge Dewatering Equip.			833,333	1,666,667				2,500,000
Commercial Lawnmower Replacement	3,500	7,000						10,500
Major Components Replacement	2,500	5,000						7,500
Total Wastewater Fund	6,000	12,000	833,333	1,666,667	0	0	0	2,518,000
Total All Projects	482,323	235,007	3,663,160	1,945,367	351,363	513,152	839,453	8,029,825

Other Funding Sources -

\$ 350,000 Library Fundraising
 \$ 34,453 Oyster River Cooperative School District
 \$ 455,000 Sale of 15 Newmarket Road

2014 CAPITAL IMPROVEMENT PROGRAM

Description	Operating Budget	UNH	Bonding		State & Federal	Capital Reserve	Trade & Other	Total
			Town	UNH				
<u>General Fund</u>								
Recreation								
Wagon Hill Parking	26,500							26,500
Police Department								
Vehicle Replacement	62,000							62,000
Fire Department								
Engine 1 Replacement			300,000	300,000				600,000
Water Rescue Vehicles Purchase						28,000		28,000
Thermal Imaging Camera Replacement						19,000		19,000
Vehicle Air Bag Lifts Replacement						10,000		10,000
Public Works								
Engineering Division								
Stormwater Management System Improvements			325,000					325,000
Culvert & Outfalls Improvement Program	21,200							21,200
Operations Division								
Road Resurfacing	412,410							412,410
Dump Truck 33,400 GVW			138,000					138,000
Coe Drive Sidewalk Improvements			68,800					68,800
Sidewalk Improvements	48,000							48,000
Longmarsh Road Culvert Replacement			153,000		612,000			765,000
Sanitation Division								
Refuse Collection Vehicle			225,000					225,000
Total General Fund	570,110	0	1,209,800	300,000	612,000	57,000	0	2,748,910

2014 CAPITAL IMPROVEMENT PROGRAM

Description	Operating Budget	UNH	Bonding		State & Federal	Capital Reserve	Trade & Other	Total
			Town	UNH				
<u>Water Fund</u>								
Spruce Hole Well Development		918,667	459,333					1,378,000
Wiswall Dam Spillway			70,000					70,000
Total Water Fund	0	918,667	529,333	0	0	0	0	1,448,000
<u>Wastewater Fund</u>								
Major Components Replacement	3,333	6,667						10,000
Collection System Upgrades			150,000					150,000
18' Force Main Replacement			26,667	53,333				80,000
Diesel Generator Replacement			41,666	83,334				125,000
Total Wastewater Fund	3,333	6,667	218,333	136,667	0	0	0	365,000
<u>DOWNTOWN TIF DISTRICT</u>								
Implementation of Improvements							75,000	75,000
Total Downtown TIF District	0	0	0	0	0	0	75,000	75,000
<u>Churchill Rink Fund</u>								
Renovations	100,000		365,000				100,000	565,000
Total Churchill Rink Fund	100,000	0	365,000	0	0	0	100,000	565,000
<u>Total All Projects</u>	673,443	925,334	2,322,466	436,667	612,000	57,000	175,000	5,201,910

Other Funding Sources -

\$ 75,000 TIF District

\$ 100,000 Fundraising

2015 CAPITAL IMPROVEMENT PROGRAM

Description	Operating Budget	UNH	Bonding		State & Federal	Capital Reserve	Trade & Other	Total
			Town	UNH				
<u>General Fund</u>								
Police Department								
Vehicle Replacement	62,000							62,000
Building Needs Design	50,000							50,000
Fire Department								
New Fire Station			55,250	55,250				110,500
Deputy Chief Vehicle Replacement						45,000		45,000
Hurst Tool Replacement						50,000		50,000
Public Works								
Engineering Division								
Stormwater Management System Improvements			300,000					300,000
Culvert & Outfalls Improvement Program	149,515							149,515
Operations Division								
Road Resurfacing	382,779							382,779
Dump Truck 33,400 GVW			140,000					140,000
Solar Message Trailers and Panels	36,138							36,138
Crommets Creek Bridge Repair			359,000					359,000
Downtown Parking Lot Paving			72,414					72,414
Sidewalk Improvements	39,000							39,000
Buildings & Grounds Division								
1/2 Ton Pickup Truck Replacement	13,800							13,800
Sanitation Division								
Recycling Collection Vehicle			104,000					104,000
Total General Fund	733,232	0	1,030,664	55,250	0	95,000	0	1,914,146
<u>Water Fund</u>								
Wiswall Dam Spillway			465,000					465,000
Total Water Fund	0	0	465,000	0	0	0	0	465,000
<u>Wastewater Fund</u>								
WWTP Phase III			226,667	453,333				680,000
Collection System Upgrade			520,000					520,000
Major Components Replacement			63,333	126,667				190,000
Total Wastewater Fund	0	0	810,000	580,000	0	0	0	1,390,000
<u>DOWNTOWN TIF DISTRICT</u>								
Implementation of Improvements							118,080	118,080
Total Downtown TIF District	0	0	0	0	0	0	118,080	118,080
<u>Total All Projects</u>	733,232	0	2,305,664	635,250	0	95,000	118,080	3,887,226

2016 CAPITAL IMPROVEMENTS PROGRAM

Description	Operating Budget	UNH	Bonding		State & Federal	Capital Reserve	Trade & Other	Total
			Town	UNH				
<u>General Fund</u>								
Police Department								
Vehicle Replacement	60,000							60,000
Fire Department								
Fire Station			4,085,700	4,085,700				8,171,400
Thermal Imaging Camera Replacement						15,000		15,000
Confined Space Trailer Equipment Replacement						50,000		50,000
Public Works								
Engineering Division								
Stormwater Management System Improvements			275,000					275,000
Culvert & Outfalls Improvement Program	92,696							92,696
Operations Division								
Road Resurfacing	425,647							425,647
Dump Truck Replacement			142,000					142,000
Sidewalk Improvements	32,500							32,500
Buildings & Grounds Division								
Old Landing Park Improvements			86,474					86,474
1 Ton Dump Truck			46,000					46,000
Total General Fund	610,843	0	4,635,174	4,085,700	0	65,000	0	9,396,717
<u>Water Fund</u>								
Total Water Fund	0	0	0	0	0	0	0	0
<u>Wastewater Fund</u>								
Major Components Replacement			63,333	126,667				190,000
Total Wastewater Fund	0	0	63,333	126,667	0	0	0	190,000
<u>Total All Projects</u>	610,843	0	4,698,507	4,212,367	0	65,000	0	9,586,717

2017 CAPITAL IMPROVEMENT PROGRAM

Description	Operating Budget	UNH	Bonding		State & Federal	Capital Reserve	Trade & Other	Total
			Town	UNH				
<u>General Fund</u>								
Police Department Vehicle Replacement	60,000							60,000
Fire Department Radio Upgrades						55,000		55,000
Public Works Engineering Division Stormwater Management System Improvements Culvert & Outfalls Improvement Program	95,877		225,000					225,000 95,877
Operations Division Road Resurfacing Sidewalk Improvements	362,017 14,600							362,017 14,600
Total General Fund	532,494	0	225,000	0	0	55,000	0	812,494
<u>Water Fund</u>								
Total Water Fund	0	0	0	0	0	0	0	0
<u>Wastewater Fund</u>								
WWTP Phase III Major Components Replacement			2,660,000 345,000	5,320,000 690,000				7,980,000 1,035,000
Total Wastewater Fund	0	0	3,005,000	6,010,000	0	0	0	9,015,000
<u>DOWNTOWN TIF DISTRICT</u>								
Implementation of Improvements							77,297	77,297
Total Downtown TIF District	0	0	0	0	0	0	77,297	77,297
Total All Projects	532,494	0	3,230,000	6,010,000	0	55,000	77,297	9,904,791

2018 CAPITAL IMPROVEMENT PROGRAM

Description	Operating Budget	UNH	Bonding		State & Federal	Capital Reserve	Other	Total
			Town	UNH				
<u>General Fund</u>								
Police Department								
Vehicle Replacement	62,000							62,000
Fire Department								
Fire Chief Vehicle Replacement						55,000		55,000
Engine 2 Replacement			325,000	325,000				650,000
Fire Prevention Vehicle Replacement						45,000		45,000
Forestry Unit Replacement						70,000		70,000
Public Works								
Engineering Division								
Stormwater Management System Improvements			160,000					160,000
Culvert & Outfalls Improvement Program	92,355							92,355
Operations Division								
Road Resurfacing	425,402							425,402
Sidewalk Improvements	41,200							41,200
Backhoe Replacement	54,250							54,250
Total General Fund	675,207	0	485,000	325,000	0	170,000	0	1,655,207
<u>Water Fund</u>								
Backhoe Replacement	27,125							27,125
Total Water Fund	27,125	0	0	0	0	0	0	27,125
<u>Wastewater Fund</u>								
Major Components Replacement			343,333	686,667				1,030,000
3/4 Ton Pickup Replacement	10,633	21,267						31,900
18" Force Main Replacement			73,333	146,667				220,000
Backhoe Replacement	9,042	18,083						27,125
Total Wastewater Fund	19,675	39,350	416,667	833,333	0	0	0	1,309,025
Total All Projects	722,007	39,350	901,667	1,158,333	0	170,000	0	2,991,357

2019 CAPITAL IMPROVEMENT PROGRAM

Description	Operating Budget	UNH	Bonding		State & Federal	Capital Reserve	Other	Total
			Town	UNH				
<u>General Fund</u>								
Police Department Vehicle Replacement	64,000							64,000
Fire Department								
Public Works Engineering Division Stormwater Management System Improvements Culvert & Outfalls Improvement Program	89,114		110,000					110,000 89,114
Operations Division Road Resurfacing Dump Truck Replacement	488,457		148,000					488,457 148,000
Total General Fund	641,571	0	258,000	0	0	0	0	899,571
<u>Water Fund</u>								
Total Water Fund	0	0	0	0	0	0	0	0
<u>Wastewater Fund</u>								
Major Components Replacement			333,333	666,667				1,000,000
3/4 Ton Pickup Replacement	10,967	21,933						32,900
18" Force Main Replacement			733,333	1,466,667				2,200,000
Total Wastewater Fund	10,967	21,933	1,066,667	2,133,333	0	0	0	3,232,900
<u>DOWNTOWN TIF DISTRICT</u>								
Implementation of Improvements							651,871	651,871
Total Downtown TIF District	0	0	0	0	0	0	651,871	651,871
Total All Projects	652,538	21,933	1,324,667	2,133,333	0	0	651,871	4,784,342

2020 CAPITAL IMPROVEMENT PROGRAM

Description	Operating Budget	UNH	Bonding		State & Federal	Capital Reserve	Other	Total
			Town	UNH				
<u>General Fund</u>								
Police Department								
Vehicle Replacement	64,000							64,000
Fire Department								
Medic 1 Replacement						100,000		100,000
Radio Antenna Upgrades						250,000		250,000
Defibrillator Replacement						40,000		40,000
Washing Extractor/Dryer Purchase						15,000		15,000
Public Works								
Engineering Division								
Stormwater Management System Improvements			110,000					110,000
Culvert & Outfalls Improvement Program	97,207							97,207
Operations Division								
Road Resurfacing	326,672							326,672
Front End Loader Replacement			254,000					254,000
Sidewalk Snow Plow Tractor Replacement			125,000					125,000
Total General Fund	487,879	0	489,000	0	0	405,000	0	1,381,879
<u>Water Fund</u>								
Total Water Fund	0	0	0	0	0	0	0	0
<u>Wastewater Fund</u>								
Major Components Replacement			93,333	186,667				280,000
Total Wastewater Fund	0	0	93,333	186,667	0	0	0	280,000
Total All Projects	487,879	0	582,333	186,667	0	405,000	0	1,661,879

2021 CAPITAL IMPROVEMENT PROGRAM

Description	Operating Budget	UNH	Bonding		State & Federal	Capital Reserve	Other	Total
			Town	UNH				
<u>General Fund</u>								
Police Department Vehicle Replacement	65,000							65,000
Fire Department Asst. Chief Vehicle Replacement						70,000		70,000
Public Works Engineering Division								
Operations Division Road Resurfacing	427,034							427,034
Total General Fund	492,034	0	0	0	0	70,000	0	562,034
<u>Water Fund</u>								
Total Water Fund	0	0	0	0	0	0	0	0
<u>Wastewater Fund</u>								
Major Components Replacement			510,000	1,020,000				1,530,000
Total Wastewater Fund	0	0	510,000	1,020,000	0	0	0	1,530,000
Total All Projects	492,034	0	510,000	1,020,000	0	70,000	0	2,092,034

2022 CAPITAL IMPROVEMENT PROGRAM

Description	Operating Budget	UNH	Bonding		State & Federal	Capital Reserve	Other	Total
			Town	UNH				
<u>General Fund</u>								
Planning								
Technology Drive Infrastructure Improvements			2,145,000					2,145,000
Police Department								
Vehicle Replacement	65,000							65,000
Fire Department								
Radio Upgrades						140,000		140,000
Thermal Imaging Camera Replacement						15,000		15,000
Turnout Gear Replacement						110,000		110,000
Public Works								
Engineering Division								
Operations Division								
Road Resurfacing	409,630							409,630
Buildings & Grounds Division								
3/4 Ton Pickup Replacement	26,000							26,000
Total General Fund	500,630	0	2,145,000	0	0	265,000	0	2,910,630
<u>Water Fund</u>								
One Ton Utility Truck Replacement	40,000							40,000
Total Water Fund	40,000	0	0	0	0	0	0	40,000
<u>Wastewater Fund</u>								
Major Components Replacement			511,667	1,023,333				1,535,000
Total Wastewater Fund	0	0	511,667	1,023,333	0	0	0	1,535,000
<u>STONE QUARRY DRIVE TIF DISTRICT</u>								
Phase III - Infrastructure							79,030	79,030
Total Stone Quarry Drive TIF District	0	0	0	0	0	0	79,030	79,030
Total All Projects	540,630	0	2,656,667	1,023,333	0	265,000	79,030	4,564,660

GENERAL FUND PROPOSED BOND SCHEDULE

PROJECT NAME	PROJECT YEAR	LENGTH	AMOUNT TO BE BONDED	ESTIMATED INTEREST COSTS	ESTIMATED COST	2013 PRINCIPAL	2013 INTEREST	2014 PRINCIPAL	2014 INTEREST	2015 PRINCIPAL	2015 INTEREST	2016 PRINCIPAL	2016 INTEREST	2017 PRINCIPAL	2017 INTEREST	2018 PRINCIPAL	2018 INTEREST	2019 PRINCIPAL	2019 INTEREST	2020 PRINCIPAL	2020 INTEREST	2021 PRINCIPAL	2021 INTEREST	2022 PRINCIPAL	2022 INTEREST
Municipal Network	2008	10	\$120,000	\$22,508	\$142,508			\$15,000	\$4,748	\$15,000	\$3,835	\$15,000	\$3,330	\$15,000	\$2,775	\$10,000	\$2,220	\$10,000	\$1,850	\$10,000	\$1,480	\$10,000	\$1,110	\$10,000	\$740
Wiswall Dam Fish Ladder	2010	10	\$59,263	\$6,440	\$65,703			\$10,000	\$1,400	\$5,000	\$1,120	\$5,000	\$980	\$5,000	\$840	\$5,000	\$700	\$5,000	\$560	\$5,000	\$420	\$5,000	\$280	\$5,000	\$140
Morgan Way Intersection	2011	15	\$155,863	\$34,551	\$190,414																				
Bennett Road Culvert	2011/2012	15	\$168,600	\$44,111	\$212,711			\$15,000	\$5,425	\$15,000	\$4,800	\$15,000	\$4,375	\$10,000	\$3,850	\$10,000	\$3,500	\$10,000	\$3,150	\$10,000	\$2,800	\$10,000	\$2,450	\$10,000	\$2,100
Pettee Brook Lane Corridor	2012	10	\$75,000	\$25,095	\$100,095			\$15,000	\$4,050	\$15,000	\$3,600	\$15,000	\$3,150	\$15,000	\$2,700	\$15,000	\$2,250	\$15,000	\$1,800	\$15,000	\$1,350	\$15,000	\$900	\$15,000	\$450
Longmarsh Road Culvert	2012	15	\$12,750	\$43,479	\$56,229			\$15,000	\$5,250	\$15,000	\$4,725	\$10,000	\$4,200	\$10,000	\$3,850	\$10,000	\$3,500	\$10,000	\$2,800	\$10,000	\$2,450	\$10,000	\$2,100	\$10,000	\$1,750
Crommets Creek Bridge	2012	10	\$49,000	\$9,719	\$58,719			\$4,000	\$1,844	\$5,000	\$1,575	\$5,000	\$1,400	\$5,000	\$1,225	\$5,000	\$1,050	\$5,000	\$875	\$5,000	\$700	\$5,000	\$525	\$5,000	\$350
Police Station Renovations	2012	10	\$32,000	\$16,843	\$48,843			\$10,000	\$2,700	\$10,000	\$2,400	\$10,000	\$2,100	\$10,000	\$1,800	\$10,000	\$1,500	\$10,000	\$1,200	\$10,000	\$900	\$10,000	\$600	\$10,000	\$300
Madbury/Garrison Sidewalk	2013	5	\$102,260	\$8,661	\$110,921			\$22,260	\$3,068	\$20,000	\$2,400	\$20,000	\$1,732	\$20,000	\$1,054	\$20,000	\$400								
Main Street Railroad Bridge	2013	5	\$78,500	\$7,618	\$86,118			\$18,500	\$2,743	\$15,000	\$1,850	\$15,000	\$1,463	\$15,000	\$975	\$15,000	\$488								
Dump Truck	2013	7	\$136,000	\$18,767	\$154,767			\$21,000	\$5,117	\$20,000	\$4,025	\$20,000	\$3,325	\$20,000	\$2,625	\$20,000	\$1,925	\$20,000	\$1,225	\$15,000	\$525				
Rubber Tire Excavator	2013	7	\$215,000	\$30,140	\$245,140			\$35,000	\$8,089	\$30,000	\$6,300	\$30,000	\$5,250	\$30,000	\$4,200	\$30,000	\$3,150	\$30,000	\$2,100	\$30,000	\$1,050				
Fire Station	2013	10	\$327,400	\$61,318	\$388,718			\$37,400	\$12,318	\$35,000	\$10,150	\$35,000	\$8,925	\$35,000	\$7,700	\$35,000	\$6,475	\$30,000	\$5,250	\$30,000	\$4,200	\$30,000	\$3,150	\$30,000	\$2,100
Stormwater Management	2013	15	\$520,000	\$156,150	\$676,150			\$35,000	\$20,963	\$35,000	\$18,188	\$35,000	\$16,875	\$35,000	\$15,563	\$35,000	\$14,250	\$35,000	\$12,938	\$35,000	\$11,625	\$35,000	\$10,313	\$35,000	\$9,000
New Town Hall	2013	20	\$878,700	\$744,049	\$1,622,749			\$48,700	\$40,146	\$45,000	\$35,275	\$45,000	\$33,363	\$45,000	\$31,450	\$45,000	\$29,538	\$45,000	\$27,625	\$45,000	\$25,713	\$45,000	\$23,800	\$45,000	\$21,888
Dump Truck	2014	7	\$138,000	\$19,892	\$157,892					\$18,000	\$5,192	\$20,000	\$4,200	\$20,000	\$3,500	\$20,000	\$2,800	\$20,000	\$2,100	\$20,000	\$1,400	\$20,000	\$700		
Refuse Vehicle	2014	7	\$225,000	\$31,041	\$256,041					\$35,000	\$8,458	\$35,000	\$6,650	\$35,000	\$5,425	\$30,000	\$4,200	\$30,000	\$3,150	\$30,000	\$2,100	\$30,000	\$1,050		
Engine 1	2014	10	\$600,000	\$117,075	\$717,075			\$60,000	\$22,575	\$60,000	\$18,900	\$60,000	\$16,800	\$60,000	\$14,700	\$60,000	\$12,600	\$60,000	\$12,600	\$60,000	\$10,500	\$60,000	\$8,400	\$60,000	\$6,300
Longmarsh Road Culvert	2014	10	\$153,000	\$29,382	\$182,382					\$18,000	\$5,757	\$15,000	\$4,725	\$15,000	\$4,200	\$15,000	\$3,675	\$15,000	\$3,150	\$15,000	\$2,625	\$15,000	\$2,100	\$1,500	\$1,575
Coe Drive Sidewalk	2014	5	\$68,800	\$6,629	\$75,429					\$13,800	\$2,404	\$15,000	\$1,788	\$15,000	\$1,300	\$15,000	\$813	\$15,000	\$325						
Stormwater Management	2014	15	\$325,000	\$93,727	\$418,727					\$25,000	\$13,102	\$25,000	\$11,250	\$25,000	\$10,313	\$25,000	\$9,375	\$25,000	\$8,438	\$25,000	\$7,500	\$25,000	\$6,750	\$20,000	\$6,000
Fire Station	2015	10	\$110,500	\$28,059	\$138,559							\$11,500	\$4,434	\$11,000	\$3,750	\$11,000	\$3,375	\$11,000	\$3,325	\$11,000	\$3,300	\$11,000	\$3,275	\$11,000	\$3,225
Downtown Parking Lot Paving	2015	5	\$72,414	\$6,755	\$79,169							\$17,414	\$2,530	\$15,000	\$1,788	\$15,000	\$1,300	\$15,000	\$813	\$10,000	\$325				
Dump Truck	2015	7	\$140,000	\$19,968	\$159,968							\$20,000	\$5,268	\$20,000	\$4,200	\$20,000	\$3,500	\$20,000	\$2,800	\$20,000	\$2,100	\$20,000	\$1,400	\$20,000	\$700
Recycling Collection Vehicle	2015	7	\$104,000	\$14,938	\$118,938							\$14,000	\$3,913	\$15,000	\$3,150	\$15,000	\$2,625	\$15,000	\$2,100	\$15,000	\$1,575	\$15,000	\$1,050	\$15,000	\$525
Stormwater Management	2015	15	\$300,000	\$90,844	\$390,844							\$20,000	\$12,094	\$20,000	\$9,750	\$20,000	\$9,750	\$20,000	\$9,000	\$20,000	\$8,250	\$20,000	\$7,500	\$20,000	\$6,750
Crommets Creek Bridge	2015	15	\$359,000	\$105,597	\$464,597							\$24,000	\$14,472	\$25,000	\$12,563	\$25,000	\$11,625	\$25,000	\$10,688	\$25,000	\$9,750	\$25,000	\$8,813	\$25,000	\$7,875
Fire Station	2016	20	\$8,000,000	\$3,595,500	\$11,595,500									\$400,000	\$365,500	\$400,000	\$323,000	\$400,000	\$306,000	\$400,000	\$289,000	\$400,000	\$272,000	\$400,000	\$295,000
Dump Truck	2016	7	\$142,000	\$20,043	\$162,043									\$22,000	\$5,343	\$20,000	\$4,200	\$20,000	\$3,500	\$20,000	\$2,800	\$20,000	\$2,100	\$20,000	\$1,400
1 Ton Dump Truck	2016	7	\$46,000	\$5,581	\$51,581									\$11,000	\$1,731	\$10,000	\$1,225	\$5,000	\$875	\$5,000	\$700	\$5,000	\$525	\$5,000	\$350
Old Landing Park Improvements	2016	10	\$86,474	\$14,804	\$101,278									\$11,474	\$3,254	\$10,000	\$2,825	\$10,000	\$1,140	\$10,000	\$1,925	\$10,000	\$1,575	\$10,000	\$1,225
Stormwater Management	2016	15	\$275,000	\$78,586	\$353,586									\$20,000	\$11,086	\$20,000	\$9,563	\$20,000	\$8,813	\$20,000	\$8,063	\$20,000	\$7,313	\$20,000	\$6,563
Stormwater Management	2017	15	\$225,000	\$68,133	\$293,133											\$15,000	\$9,070	\$15,000	\$7,875	\$15,000	\$7,313	\$15,000	\$6,750	\$15,000	\$6,188
Engine 2	2018	10	\$650,000	\$126,831	\$776,831													\$65,000	\$44,525	\$65,000	\$20,475	\$65,000	\$18,200	\$65,000	\$15,925
Oyster River Dam	2018	10	\$175,000	\$31,960	\$206,960													\$20,000	\$5,425	\$20,000	\$5,425	\$20,000	\$4,725	\$20,000	\$4,025
Stormwater Management	2018	15	\$160,000	\$46,013	\$206,013													\$15,000	\$4,434	\$15,000	\$4,434	\$10,000	\$4,875	\$10,000	\$4,500
Dump Truck	2019	7	\$148,000	\$20,444	\$168,444															\$23,000	\$5,569	\$25,000	\$4,375	\$20,000	\$3,500
Oyster River Dam	2019	10	\$465,000	\$88,896	\$553,896															\$50,000	\$17,496	\$50,000	\$14,525	\$50,000	\$12,775
Stormwater Management	2019	15	\$110,000	\$28,059	\$138,059															\$10,000	\$4,434	\$1,000	\$3,750	\$10,000	\$3,375
Front End Loader	2020	7	\$254,000	\$35,457	\$289,457																	\$39,000	\$9,557	\$40,000	\$7,525
Sidewalk Snow Tractor	2020	7	\$125,000	\$16,778	\$141,778																	\$20,000	\$4,703	\$20,000	\$3,675
Oyster River Dam	2020	10	\$850,000	\$165,856	\$1,015,856																	\$85,000	\$31,981	\$85,000	\$26,775
Stormwater Management	2020	15	\$110,000	\$28,059	\$138,059																	\$10,000	\$4,434	\$10,000	\$3,750
EXISTING BONDS			\$17,347,524	\$6,164,356	\$23,511,880	\$0	\$0	\$301,860	\$117,860	\$449,800	\$157,987	\$551,914	\$180,690	\$1,010,474	\$545,017	\$1,011,000	\$488,366	\$1,066,000	\$485,553	\$1,124,000	\$471,274	\$1,211,000	\$477,653	\$1,147,500	\$428,318
2002 Bond			\$2,317,265			\$96,966	\$19,124	\$96,966	\$15,245	\$94,832	\$11,367	\$94,835	\$7,455	\$25,602	\$3,424	\$25,602	\$2,304	\$25,606	\$1,152						
2006 Bond	2003-2006	20	\$1,309,216			\$113,698	\$15,211	\$36,649	\$10,718	\$36,649	\$9,278	\$36,649	\$7,833	\$18,758	\$6,367	\$18,758	\$5,617	\$18,758	\$4,868	\$18,758	\$4,116	\$18,758	\$3,366	\$13,076	\$2,615
2006 Bond	Land	20	\$1,620,000			\$81,000	\$45,059	\$81,000	\$41,938	\$81,000	\$38,788	\$81,000	\$35,640	\$81,000	\$32,400	\$81,000	\$29,160	\$81,000	\$25,920	\$81,000	\$22,680	\$81,000	\$19,440	\$81,000	\$16,200
2006 Bond Taxable	2003-2006	7	\$315,364			\$35,000	\$2,013																		
2008 Bond	2005-2008	20	\$692,365			\$74,350	\$15,819	\$74,350	\$13,217	\$74,350	\$10,615	\$55,905	\$7,827	\$55,905	\$5,032	\$55,905	\$2,795								
2010 Bond	2008-2010	20	\$1,384,000			\$65,000	\$21,850	\$65,000	\$19,900	\$60,000	\$17,300	\$60,000	\$15,500	\$60,000	\$13,700	\$40,000	\$10,700	\$40,000	\$9,500	\$35,000	\$7,500	\$25,000	\$5,750	\$25,000	\$4,500
2012 Bond - Library	2011-2012	20	\$2,800,000	\$763,246		\$130,000	\$78,861	\$130,000	\$77,090	\$130,000	\$71,890	\$130,000	\$66,690	\$130,000	\$61,490	\$130,000	\$56,290	\$130,000	\$51,090	\$130,000	\$45,890	\$130,000	\$40,690	\$130,000	\$35,490
2012 Bond	2011-2012	7-15	\$1,960,000	\$421,017		\$185,000	\$70,047	\$185,000	\$65,693	\$185,000	\$58,293	\$185,000	\$50,893	\$180,000	\$43,493	\$180,000	\$36,293	\$130,000	\$29,093	\$135,000	\$21,893	\$135,000	\$16,493	\$135,000	\$11,093
2005 Landfill SRF Loan	2002	20 YRS	\$802,756			\$40,138</																			

APPROVED 2013-2022 CAPITAL IMPROVEMENTS PROGRAM

Description	Rank	2013	Rank	2014	Rank	2015	Rank	2016	Rank	2017	Rank	2018	Rank	2019	Rank	2020	Rank	2021	Rank	2022
<i>Library Trustees</i>																				
New Library	1	350,000																		
LIBRARY TOTALS		350,000		-		-		-		-		-		-		-		-		-

TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

		MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Project Name	Library Facility												
Department	Durham Public Library		Mandated	X									
Division	Library Facility		Council Goal X										
Location	49 Madbury Road		Dept. Goal X										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

In 2010 the town purchased 2.8 acres with a house at 49 Madbury Rd. using privately raised funds. Using both public and private funds, a 10,500 s.f. library is being built on the site which will contain meeting rooms including a 100 seat community room, quiet reading areas, adult and children's collections, a Children's storytime/craft room, a young adult room, public computers, work spaces for staff, and a cafe. These funds will be used to purchase furniture and other items needed to fully furnish the library.

RATIONALE: (Cost/Benefit Analysis)

Annually the town spends about \$56,500 to rent the Mill Plaza facility, and this project will redirect this expenditure to greater service and public facilities. The property at 49 Madbury Rd. was purchased using private funds raised by the Library Board of Trustees, a detailed building space program was prepared with public input, a design/build team was selected and a design prepared with additional public input. The Library Trustees ran a successful capital campaign raising \$1.1M toward the project, bringing the total amount of privately raised funds contributed to \$2.2M; Durham taxpayers were only responsible for \$2.6M which they strongly supported by turning out in large numbers to approve a bond by 74%. Building construction began in July 2012 and is expected to take approximately a year to complete. The building is designed and will be constructed to be a good long term value for the Town: it is energy efficient in its systems and construction, and staff efficient in its layout. The new library will be a community treasure, providing services, materials, programs, and meeting space for the people of Durham.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

Increasing library operating hours from 38 to 49 (comparable to other NH towns), means library staffing will need to increase by approximately 1.5 FTE for an additional cost of \$15,000 in FY13 and \$21,500 in FY14. The building will be as energy efficient as possible, so it is projected that the cost of heat and electricity will increase \$18,000 in FY13 and \$25,000 in FY14. We anticipate having twice as many computers in the new building requiring an additional \$3,500 in the first year. These increases will be offset by the elimination of today's rent (\$56,500) resulting in a total operating budget increase of \$30,000 in FY13 and \$31,000 in FY14. Durham Public Works will be responsible for the building but expenditures, by and large, will come from the library's budget.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design	23,000											23,000
Design	312,000											312,000
Purch/Const.	4,115,000	350,000										4,465,000
TOTAL	4,450,000	350,000	0	0	0	0	0	0	0	0	0	4,800,000
FUNDING:												
Operating Rev.												0
Capital Reserve												0
Bond	2,700,000	(100,000)										2,600,000
Federal												0
State												0
UNH												0
Trade In												0
Other (library)	1,750,000	450,000										2,200,000
TOTAL	4,450,000	350,000	0	0	0	0	0	0	0	0	0	4,800,000



APPROVED 2013-2022 CAPITAL IMPROVEMENTS PROGRAM

Description	Rank	2013	Rank	2014	Rank	2015	Rank	2016	Rank	2017	Rank	2018	Rank	2019	Rank	2020	Rank	2021	Rank	2022
<i>Recreation</i>																				
Wagon Hill Parking			1	26,500																
RECREATION TOTALS			-	26,500		-		-		-		-		-		-		-		-

TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Wagon Hill Parking	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Recreation	Chapter 5 of Master Plan and in the Wagon Hill Master Plan	Mandated		X								
Division	General Government		Council Goal										
Location	Wagon Hill - Route 4		Dept. Goal	X									

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Installation of a 60' x 250' gravel parking lot at Wagon Hill. This parking lot would hold approximately 50 vehicles. One location being considered is the area between the barn and apple orchard.

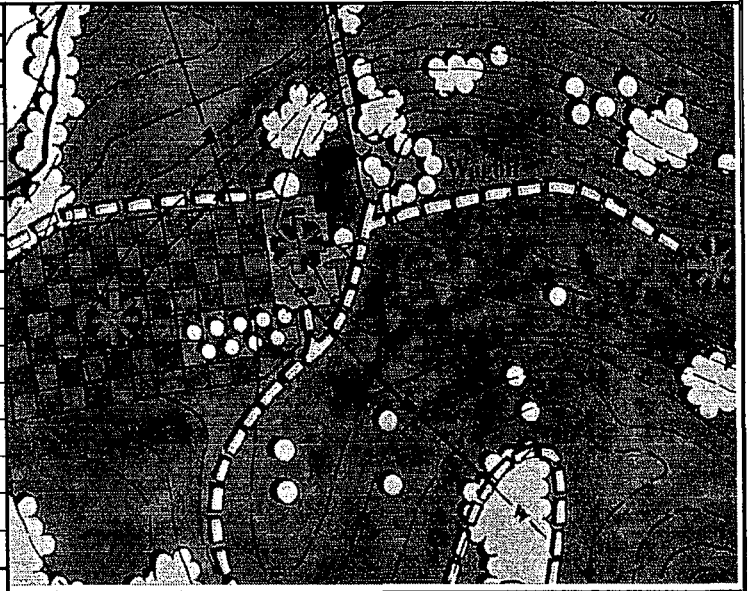
RATIONALE: (Cost/Benefit Analysis)

Both the 1995 Wagon Hill Farm Master & Management Plan and the Master Plan 2000 call for improvements to Wagon Hill Farm. In the past there have been calls for the possibility of establishing a resident and non-resident permit system for the use of Wagon Hill and we will need to make improvements to the facility and parking. The Recreation Chapter (Chapter 5) of the Master Plan 2000 speaks to these, and other, improvements to Wagon Hill. There has been work done already but more will be needed to provide for more recreational activity at Wagon Hill Farm. Wagon Hill Farm is a tremendous resource for the Town of Durham and beyond. It is also an underutilized resource.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

Continued maintenance of the parking area, mostly in the winter with plowing, will be needed and would affect the Public Works Department Budget or possibly the Recreation Committee's budget. The use of fees (permit or user) could help offset these costs and potentially cover them.

FINANCIAL PLAN												
	PRIOR	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.			26,500									26,500
TOTAL	0	0	26,500	0	0	0	0	0	0	0	0	26,500
FUNDING:												
Operating Rev.			26,500									26,500
Capital Reserve												0
Bond												0
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	0	26,500	0	0	0	0	0	0	0	0	26,500



APPROVED 2013-2022 CAPITAL IMPROVEMENTS PROGRAM

Description	Rank	2013	Rank	2014	Rank	2015	Rank	2016	Rank	2017	Rank	2018	Rank	2019	Rank	2020	Rank	2021	Rank	2022
<i>Planning</i>																				
Technology Drive Infrastructure Improvement																			1	2,145,000
PLANNING TOTALS		-		-		-		-		-		-		-		-		-		2,145,000

TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Technology Drive Infrastructure Improvements	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Planning & Community Development	Project in Chapter 8, p.8.20-8.21	Mandated										
Division	General Government		Council Goal										
Location	Technology Drive Area		Dept. Goal X										X

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Extension of 4260 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 and we would not need to extend the water line at this time.

RATIONALE: (Cost/Benefit Analysis)

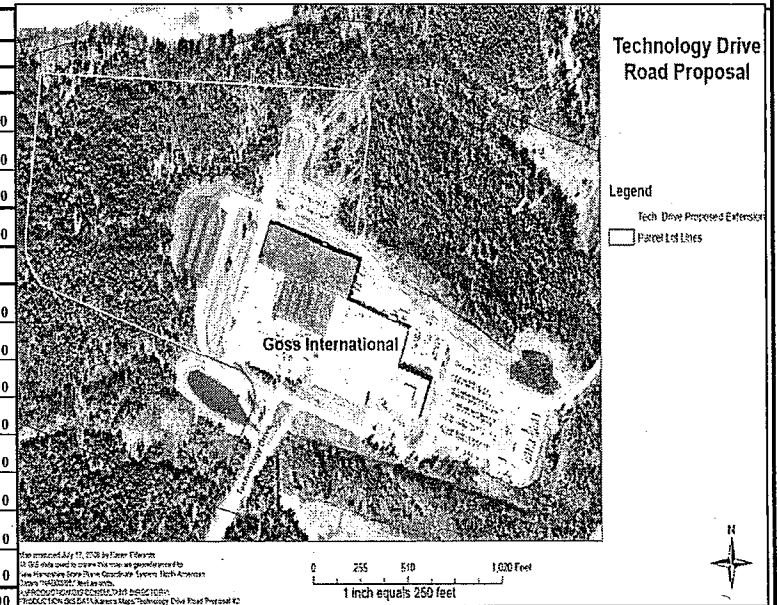
Extending municipal utilities to the area could help spur commercial development and help to stabilize taxes in Durham. The area is zoned high density and there is great potential for the area to be developed.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

If the Town were to construct the infrastructure extensions for the Technology Drive area, the Department of Public Works would incur maintenance costs as well as eventual repaving of the road. Any sewer or water extensions in the public right-of-way would be the responsibility of the Town.

FINANCIAL PLAN

	PRIOR	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design											162,000	162,000
Purch/Const.											1,983,000	1,983,000
TOTAL	0	0	0	0	0	0	0	0	0	0	2,145,000	2,145,000
FUNDING:												
Operating Rev.												0
Capital Reserve												0
Bond											2,145,000	2,145,000
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	0	0	0	0	0	0	0	0	0	2,145,000	2,145,000



APPROVED 2013-2022 CAPITAL IMPROVEMENTS PROGRAM

Description	Rank	2013	Rank	2014	Rank	2015	Rank	2016	Rank	2017	Rank	2018	Rank	2019	Rank	2020	Rank	2021	Rank	2022
Police Department																				
Vehicle Replacement (Purchase 2/Yr)	1	62,000	1	62,000	1	62,000	1	60,000	1	60,000	1	62,000	1	64,000	1	64,000	1	65,000	1	65,000
Radio Replacements	2	54,130																		
Building Needs Assessment	3	5,000			2	50,000														
POLICE TOTALS		121,130		62,000		112,000		60,000		60,000		62,000		64,000		64,000		65,000		65,000

TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Vehicle Replacement	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Police	None	Mandated	X	X	X	X	X	X	X	X	X	X
Division	Enforcement		Council Goal										
Location	86 Dover Road		Dept. Goal										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

The Police Department management team has attempted to purchase two vehicles annually to meet our structured vehicle replacement plan. Unfortunately, the last seven years where there should have been twelve (12) vehicles purchased, we have only replaced seven (7) due to budget restrictions. It has remained our plan to replace two of the "frontline" police vehicles annually so that the six marked units would be fully rotated every three-years. The vehicles are then transferred to detectives, administration or to other Town departments where the type of use does not require such challenging 24/7 use with extensive idling time in between. We were able to purchase three (3) vehicles in 2012 which are the more fuel efficient Ford Taurus. In order to catch up to this plan and eliminate cruiser maintenance costs, it is our plan to replace three vehicles this year which will place the department back on schedule. **THE TOWN ADMINISTRATOR HAS RECOMMENDED PURCHASE OF ONLY 2 CRUISERS IN 2013.

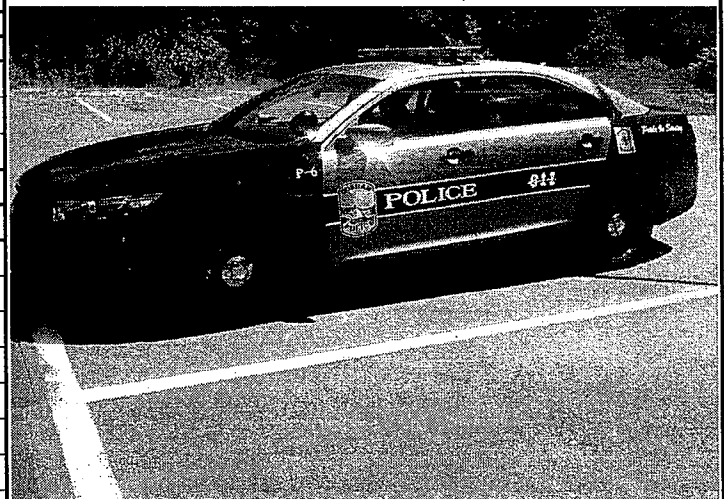
RATIONALE: (Cost/Benefit Analysis)

The department places six police cruisers in service patrolling and responding to calls for service throughout the neighborhoods of Durham. In addition there are five unmarked cruisers which the Chief, Deputy Chief, Captain, Detective Sergeant and Detective use. Police vehicles are driven under the most strenuous conditions almost 24 hours daily. Rarely are the engines turned off as they idle at accident scenes, traffic stops or directed patrols. Although they are built to be a "police interceptor", even the best of vehicles require repair especially under these strenuous conditions. Our ability to shift vehicles from the "front line" as marked vehicles to detectives, training transportation and other Town departments has been very successful with many of our vehicles still being operated with excess of 150,000 miles. With an exceedingly lean and frugal budget, virtually the only area to cut without losing personnel is and has been cruisers. This shortfall has accentuated mechanical issues as three transmissions were replaced in 2012. With the purchase of three proposed vehicles within this budget year, the department would be back on its replacement schedule goal of two vehicles annually.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

the price of each cruiser @ \$31,000 contains the following cost implication - 2013 Ford Taurus \$23,589; painting vehicle \$1,100; rear plastic seats \$650 (one time cost); cage/barrier \$1,200; Equipment transferred and installed (lights, radio, computers, siren, etc.) \$2,145; painting old car solid color \$1,100; equipment transfer \$1,800 - for a total cost of \$31,000.

FINANCIAL PLAN												
	PRIOR	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.	31,000	62,000	62,000	62,000	60,000	60,000	62,000	64,000	64,000	65,000	65,000	657,000
TOTAL	31,000	62,000	62,000	62,000	60,000	60,000	62,000	64,000	64,000	65,000	65,000	654,000
FUNDING:												
Operating Rev.	31,000	62,000	62,000	62,000	60,000	60,000	62,000	64,000	64,000	65,000	65,000	657,000
Capital Reserve												0
Bond												0
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	31,000	62,000	62,000	62,000	60,000	60,000	62,000	64,000	64,000	65,000	65,000	657,000



MILEAGE AS OF
8/8/12

2004 Ford Crown Victoria	134,998	Unmarked	Deputy Chief
2005 Ford Crown Victoria	199,765	Unmarked	Detective
2005 Ford Crown Victoria	165,088	Unmarked	Detective Sgt.
2007 Ford Crown Victoria	123,622	Unmarked	Captain
2008 Ford Crown Victoria	141,225	Unmarked	Chief
2008 Ford Crown Victoria	101,397	Marked	Patrol
2009 Ford Crown Victoria	94,333	Marked	Patrol
2010 Ford Crown Victoria	89,383	Marked	Patrol
2013 Ford Taurus	10,039	Marked	Patrol
2013 Ford Taurus	9,330	Marked	Patrol
2013 Ford Taurus	6,044	Marked	Patrol

TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Portable Radio Equipment	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Police	None	Mandated	X									
Division	All		Council Goal										
Location	86 Dover Road		Dept. Goal										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

These funds are the Town's matching portion of a grant from the New Hampshire Department of Homeland Security under the Emergency Mangement Performance Grant (EMPG).

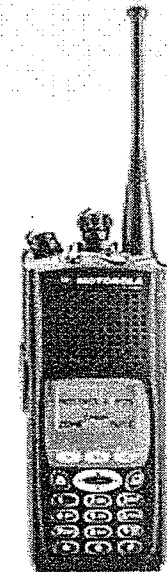
RATIONALE: (Cost/Benefit Analysis)

The Police Department successfully applied for radios under a federal program in 2012 and were provided with nine (9) portable radios with no funding match required. The Department has also applied and received notice of an award for EMPG funding which does require a match and, if successfully obtained, the Town of Durham's match would equate to \$27,060 for the purchase of twelve (12) portable radios.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

FINANCIAL PLAN

	PRIOR	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
EXPENDITURES:												
Pre-Design												
Design												
Purch/Const.		54,130										54,130
TOTAL	0	54,130	0	0	0	0	0	0	0	0	0	54,130
FUNDING:												
Operating Rev.		27,065										27,065
Capital Reserve												
Bond												
Federal												
State		27,065										27,065
UNH												
Trade In												
Other												
TOTAL	0	54,130	0	0	0	0	0	0	0	0	0	54,130



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Police Facility Needs Assessment	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Police	None	Mandated	X		X							
Division	All		Council Goal										
Location	86 Dover Road		Dept. Goal										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

The current Police Facility at 86 Dover Road was purchased and renovated in 1996 and has served the agency well as police services are delivered to the Durham community. However, as the building ages and additional needs arise, space becomes limited. For that reason, the police administration has requested funds to perform a space needs analysis as the building. While still very functional, the building has some challenges in the area of record storage, evidence storage, equipment storage, as well as a small female locker room. In an unexpected occurrence, Councilor Mower had a gift certificate for five (5) hours of architectural design services from a local company which she presented to the Town. As the police were seeking such services, Town Administrator Selig gave the department the certificate. In working with the firm of Classic Building and Design, the husband and wife team have a number of proposals that will address the several space challenges of the existing police facility.

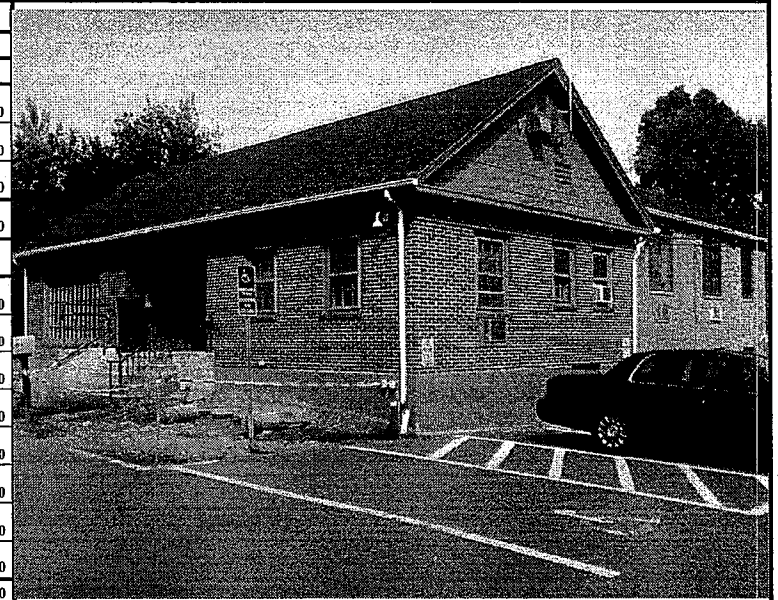
RATIONALE: (Cost/Benefit Analysis)

The police facility is adequate but will be greatly enhanced with several relatively minor adjustments and/or renovations. While final plans/proposals are not yet ready for presentation, the design team is suggesting an addition to the rear that would add storage space, car ports and greatly enlarged woman's locker room. With these renovations/additions, the police facility could anticipate an additional 20 years of useful life that would serve the community and the police department well.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

FINANCIAL PLAN

	PRIOR	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
EXPENDITURES:												
Pre-Design		5,000										5,000
Design				50,000								50,000
Purch/Const.												0
TOTAL	0	5,000	0	50,000	0	0	0	0	0	0	0	55,000
FUNDING:												
Operating Rev.		5,000		50,000								55,000
Capital Reserve												0
Bond												0
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	5,000	0	50,000	0	0	0	0	0	0	0	55,000



APPROVED 2013-2022 CAPITAL IMPROVEMENTS PROGRAM

Description	Rank	2013	Rank	2014	Rank	2015	Rank	2016	Rank	2017	Rank	2018	Rank	2019	Rank	2020	Rank	2021	Rank	2022
Fire Department																				
New Fire Station	1	557,400			1	110,500	1	8,171,400												
Radio Upgrades	2	204,048							1	55,000								2		140,000
Utility Vehicle Purchase (Silverado)	3	39,050																		
Asst. Chief Vehicle Replacement (Suburban)	4	63,000														1	70,000			
Upgrade to Web Based Software - FH	5	28,155																		
Radio Upgrades in Schools	6	68,905																		
Engine 1 Replacement			1	600,000																
Water Rescue Vehicles Purchase			2	28,000																
Thermal Imaging Camera Replacement			3	19,000			2	15,000										3		15,000
Vehicle Air Bag Lifts Replacements			4	10,000																
Deputy Chief's Vehicle Replacement (Explorer)					2	45,000														
Hurst Tool Replacement					3	50,000														
Confined Space Trailer Replacement							3	50,000												
Engine 2 Replacement										1	650,000									
Fire Prevention Vehicle Replacement (Explorer)										2	45,000									
Chief's Vehicle Replacement (Tahoe)										3	55,000									
Forestry Unit Replacement										4	70,000									
Medic 1 Replacement														1	100,000					
Radio Antenna Upgrades														2	250,000					
Defibrillator Replacement														3	40,000					
Washing Extractor/Dryer Purchase														4	15,000					
Turnout Gear Replacement																		1		110,000
FIRE TOTALS		960,558		657,000		205,500		8,236,400		55,000		820,000		-		405,000		70,000		265,000

TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

		MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Project Name	New Fire Station												
Department	Fire Department												
Division	Administration												
Location	Mill Road												
			Mandated										
			Council Goal	X		X	X						
			Dept. Goal										
			13 & 14										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

2013 expenses are for the architectural and engineering services for the construction of the new fire station for the Town of Durham, New Hampshire. This will bring the construction documents to 85% complete and to a "permit ready" stage. The building will be approximately 25,000 gross square feet, and will generally be configured as indicated on conceptual drawings by LeMay Erickson Willcox Architects. The project construction budget is approximately \$8M for building and site work.

RATIONALE: (Cost/Benefit Analysis)

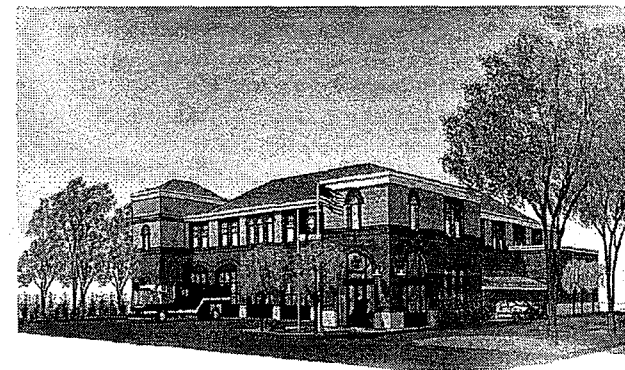
The need for a new fire station has been identified and the location has been narrowed to "B" Lot on the campus of the University. The University will be finalizing their Master Plan within the next few months and this proposal is to be ready to move forward once they finalize that plan and come to agreement with the town. No work would begin until an Agreement has been reached with UNH on a permanent location. By approving the design cost in 2013 we have the ability to move forward immediately after an agreement is reached instead of having to wait another year and another budget process, gaining us the valuable time needed, 10-12 months, to develop the plans for the station. The \$30,000 is for the feasibility study of the site and building size.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

The \$30,000 for Feasibility will be drawn from the Fire Station Expendable Trust which has approximately \$230,000 available; the remaining funds can be used to offset the total Town portion of the bond cost.

FINANCIAL PLAN

	PRIOR	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
EXPENDITURES:												
Pre-Design		30,000										30,000
Design		527,400		84,800								612,200
Const. Admin.				25,700	171,400							197,100
Purch/Const.					8,000,000							8,000,000
TOTAL	0	557,400	0	110,500	8,171,400	0	0	0	0	0	0	8,839,300
FUNDING:												
Operating Rev.												0
Capital Reserve		230,000										230,000
Bond		48,700		55,250	4,085,700							4,189,650
Federal												0
State												0
UNH		278,700		55,250	4,085,700							4,419,650
Trade In												0
Other												0
TOTAL	0	557,400	0	110,500	8,171,400	0	0	0	0	0	0	8,839,300



CONCEPTUAL RENDERING - YELLOW

DURHAM FIRE DEPARTMENT
12 MARCH 2013



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Radio Upgrades in Schools	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Fire Department		Mandated	X									
Division	Fire Suppression		Council Goal										
Location	Fire Department		Dept. Goal 2013										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Install radio repeaters in the Middle and High School so all emergency responders - Fire, Police and Ambulance - can communicate.

RATIONALE: (Cost/Benefit Analysis)

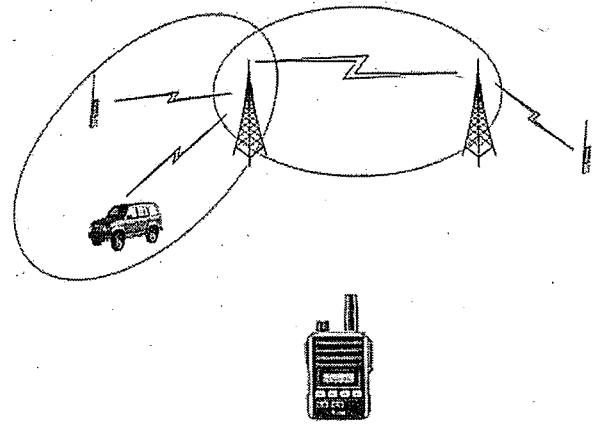
Radio communications within both schools is inoperable in most areas of the schools. This system will install internal antennas and a repeater so all responders can communicate with each other, as well as outside units and dispatch. This lack of communication has been identified and is in need of correction as soon as possible.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

We are applying for a state grant that would help cover 50% of this installation. The remaining 50% will be paid for by the Oyster River Cooperative School District.

FINANCIAL PLAN

	PRIOR	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.		68,905										68,905
TOTAL	0	68,905	0	0	0	0	0	0	0	0	0	68,905
FUNDING:												
Operating Rev.												0
Capital Reserve												0
Bond												0
Federal												0
State		34,452										34,452
UNH												0
Trade In												0
Other		34,453										34,453
TOTAL	0	68,905	0	0	0	0	0	0	0	0	0	68,905



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Utility Vehicle Purchase	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Fire Department		Mandated	X									
Division	Fire Prevention		Council Goal									X	
Location	Fire Department		Dept. Goal 13&21										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

The Department proposes to replace a 2000 Dodge mini van that has 77,340 miles and has been determined to need a new transmission, as well as extensive body work to correct a significant rusting problem. The proposal is to replace it with a full-sized 3/4 ton 4x4 pick up truck like the Chevy Silverado.

RATIONALE: (Cost/Benefit Analysis)

The vehicle will be used daily by the fire prevention bureau. It will also be available for transport of equipment to and from scenes. The FD has several items that it needs to transport at times such as hose, cooling and heating fans, and fuels, as well as teaching items such as the propane simulator that is used for fire extinguisher classes. Currently the FD uses the medic truck, but that area is smaller and it takes multiple trips as well as taking an important unit out of service since equipment will be strapped in and hangs out of the rear when used this way. The FD does not have the type of open back pick-up as the Forestry is loaded with mounted equipment. This vehicle will also be used as a plow truck for our area, as well as using it to clear hydrants.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

The 2000 Van is well beyond its usefulness and is in need of some major body work, as well as a new transmission. The total cost of this vehicle is \$26,550 for the vehicle itself and \$10,000 to outfit it with emergency lighting and a mobile radio. We also have \$2,500 for painting and marking the vehicle.

FINANCIAL PLAN

	PRIOR	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.		39,050										39,050
TOTAL	0	39,050	0	0	0	0	0	0	0	0	0	39,050
FUNDING:												
Operating Rev.												0
Capital Reserve		39,050										39,050
Bond												0
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	39,050	0	0	0	0	0	0	0	0	0	39,050



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Assistant Chief Vehicle Replacement	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Fire Department		Mandated	X								X	
Division	Fire Administration		Council Goal										
Location	Fire Department		Dept. Goal 13 & 21										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Purchase the Chevy Suburban 2500 4x4 to assign to the Assistant Chief and move the currently assigned 2007 Ford Explorer to the Inspector in Fire Prevention. The Ford Explorer currently has 70,227 miles and is projected to have 112,000 miles on it in 2015 the original date to replace this vehicle. By moving this vehicle to the inspector position it should cut down on the mileage and extend its life to 2018. The new Chevy Suburban will be replaced in eight years.

RATIONALE: (Cost/Benefit Analysis)

There is a need for an additional vehicle for the fire prevention bureau. There is also a need to upgrade the current Car 2 which is a Ford Explorer and assigned to the Assistant Chief. The Explorer is too small for the equipment that needs to be carried and currently there is loose equipment in the back seat and the need for more room. The Ford Explorers cargo area is 80.7 cubic feet and the Suburban's cargo area is 137.4 cubic feet. The plan is to assign the Suburban type vehicle to the Assistant Chief and move the Explorer to the Inspector. By making this change we will expand the life expectancy of the Explorer to another 3 years and the life expectancy of the Suburban will be 8 years.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

The cost of this purchase includes \$37,500 for the vehicle itself and \$23,000 in equipment such as emergency lighting and radios, as well as labor to outfit the vehicle. We also have \$2,500 to paint and mark the vehicle, as well as miscellaneous equipment. The command box that we will purchase and install will be transferable in the future to further vehicles of the same size. We are applying for a state grant in the amount of \$11,500 which would cover 50% of the equipment needed to outfit the vehicle.

FINANCIAL PLAN

	PRIOR	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.		63,000							70,000			133,000
TOTAL	0	63,000	0	0	0	0	0	0	0	70,000	0	133,000
FUNDING:												
Operating Rev.												0
Capital Reserve		63,000							70,000			133,000
Bond												0
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	63,000	0	0	0	0	0	0	0	70,000	0	133,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Upgrade to Web Based Software - FH	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Fire Department		Mandated	X									
Division	Administration		Council Goal										
Location	DFD		Dept. Goal 2013										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

The current software program can only be accessed in the office and is a basic program. By upgrading to the Web Based Software it will allow us to enter inspections on site or incidents in real time as they occur. The amount requested is for the installation and implementation of the software and the purchase of 9 iPads. The iPads will be issued to the six administrative staff and three will be available for the shifts to use.

RATIONALE: (Cost/Benefit Analysis)

While out for a routine inspection of a building or responding to a call, whether a fire, vehicle accident or medical aid, we will be able to record data in real time. This also alleviates the need for excess paperwork and data entry by several persons. This will allow units on scene to have direct access to property information including pre-plans.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

The upgrade cost for the program is \$16,000, and the cost for the iPads is \$965 apiece. Currently our software has an annual maintenance fee of \$625. This upgrade will increase the annual maintenance fee to \$2,700 as the software will now be hosted by the Firehouse server. We are applying for a state grant to pay 50% of this program purchase.

FINANCIAL PLAN

	PRIOR	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.		28,155										28,155
TOTAL	0	28,155	0	0	0	0	0	0	0	0	0	28,155
FUNDING:												
Operating Rev.												0
Capital Reserve		14,078										14,078
Bond												0
Federal												0
State		14,077										14,077
UNH												0
Trade In												0
Other												0
TOTAL	0	28,155	0	0	0	0	0	0	0	0	0	28,155



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Radio Upgrades	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Fire Department		Mandated										
Division	Fire Suppression		Council Goal	X				X					X
Location	Fire Department		Dept. Goal										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

To upgrade portable radios over a three year span and upgrade mobile radios in 2017. The amount listed for 2022 is when we will again need to begin replacing the portables.

RATIONALE: (Cost/Benefit Analysis)

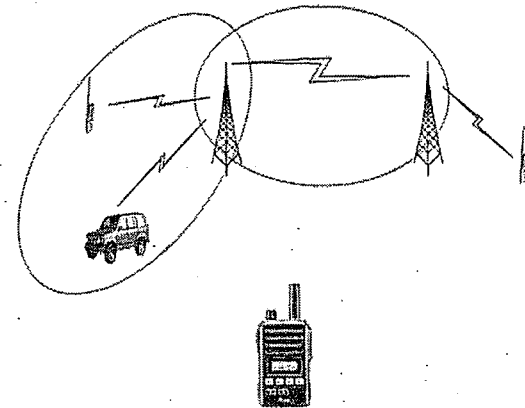
Portable radios are a vital piece of equipment and it's important each individual operating on an emergency scene have a reliable portable radio. In 2006, through a Homeland Security Grant, the Town of Durham received 32 portable radios. 30 of these radios are still in service but we now have continuous transmitting problems with these radios and it is causing safety concerns with personnel not being able to transmit at times of need. There have been several issues on a daily basis with these portables. Additionally, we still have 30 portables in service that are not digital capable and have limited channels. With conversions over the last several years we need to upgrade these portable to have full digital capability. At this time we have 60 portables in service; this plan will reduce that number to 52 portables and will allow each individual to be issued a portable, as well as the vehicles having one spare portable on each.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

The total project cost to upgrade all portable radios is \$204,048. We have applied for and been awarded a state grant that will fund 50% of this project.

FINANCIAL PLAN

	PRIOR	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.		204,048				55,000					140,000	399,048
TOTAL	0	204,048	0	0	0	55,000	0	0	0	0	140,000	399,048
FUNDING:												
Operating Rev.												0
Capital Reserve		102,024				55,000					140,000	297,024
Bond												0
Federal												0
State		102,024										102,024
UNH												0
Trade In												0
Other												0
TOTAL	0	204,048	0	0	0	55,000	0	0	0	0	140,000	399,048



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Engine 1 Replacement	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Fire Department		Mandated		X								
Division	Fire Suppression		Council Goal										
Location	51 College Road		Dept. Goal 2015										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Purchase a New Heavy duty custom fire pumper apparatus to replace the current Engine 1 which is a 2000 American LaFrance Eagle Pumper. As of August 9, 2012 the current Engine 1 has 6,643 hours of service and 66,017 miles.

RATIONALE: (Cost/Benefit Analysis)

The new pumper would be the "First Due" engine and the current Engine 1, a 2000 American LaFrance Eagle Pumper, would be traded in. The current Engine 2 would then be kept in service as it has a better track record for maintenance, has already been refurbished and we believe we can prolong its life expectancy until 2018. As of August 9, 2012 Engine 2 has 3,721 hours of service and 51,143 miles.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

We can expect to see maintenance costs for this unit drop significantly after the purchase.

FINANCIAL PLAN

	PRIOR	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.			600,000									600,000
TOTAL	0	0	600,000	0	0	0	0	0	0	0	0	600,000
FUNDING:												
Operating Rev.												0
Capital Reserve												0
Bond			300,000									300,000
Federal												0
State												0
UNH			300,000									300,000
Trade In												0
Other												0
TOTAL	0	0	600,000	0	0	0	0	0	0	0	0	600,000



TOWN OF DURHAM, NEW HAMPSHIRE.

2013 - 2022 CIP Project Description

Project Name	Water Rescue Vehicles Purchase	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Fire Department		Mandated										
Division	Fire Suppression		Council Goal		X								
Location	51 College Road		Dept. Goal 2014										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

The Durham Fire Department proposes the purchase of two (2) water rescue vehicles for the purpose of water related rescues and incident response.

RATIONALE: (Cost/Benefit Analysis)

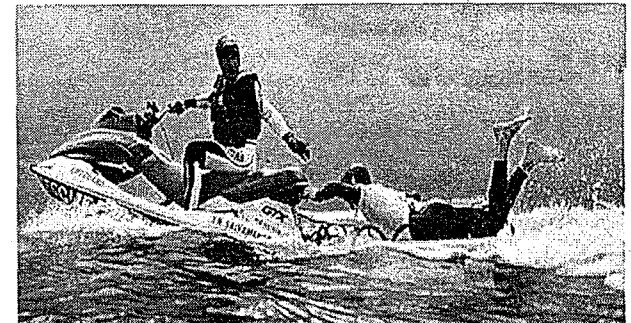
The water rescue program for the Town of Durham is now land based. This means all of our rescue operations occur from shore. Increased hazard and risk are created for firefighters that are required to swim from shore. There is no opportunity for back-up if something goes wrong. Additionally, our department has participated in four years of training with personal water craft in order to partake in the Yamaha's Law Loan program. With a generous donation we were able to purchase a trailer and water rescue equipment for this program (still in stock) which eventually ran out of funding and is no longer available.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

Minimal routine maintenance costs that are not covered by a warranty.

FINANCIAL PLAN

	PRIOR	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.			28,000									28,000
TOTAL	0	0	28,000	0	0	0	0	0	0	0	0	28,000
FUNDING:												
Operating Rev.												0
Capital Reserve			28,000									28,000
Bond												0
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	0	28,000	0	0	0	0	0	0	0	0	28,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Thermal Imaging Camera Replacement	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Fire Department		Mandated		X		X						X
Division	Fire Suppression		Council Goal										
Location	Fire Department		Dept. Goal										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Using infra-red technology, the thermal imaging camera is used to locate the seat of a fire as well as to locate 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 and overheated electrical equipment and appliances. It is used by first-in crews to locate hidden fire and heat sources, and is a staple piece of equipment for our Rapid Intervention (downed firefighter rescue) Team. 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 cold weather or at night. This camera will replace the current out-dated model that is presently carried on Engine 1 in 2014 and the out-dated model carried on the Rescue truck in 2016.

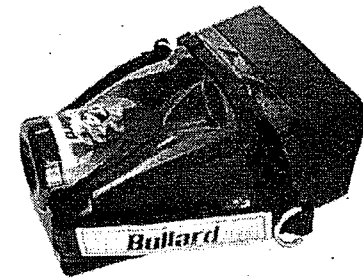
RATIONALE: (Cost/Benefit Analysis)

This is a vital tool for today's Fire Service and has become a standard piece of firefighter equipment with multiple applications that relate to firefighter safety.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

FINANCIAL PLAN

	PRIOR	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.			19,000		15,000						15,000	49,000
TOTAL	0	0	19,000	0	15,000	0	0	0	0	0	15,000	49,000
FUNDING:												
Operating Rev.												0
Capital Reserve			19,000		15,000						15,000	49,000
Bond												0
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	0	19,000	0	15,000	0	0	0	0	0	15,000	49,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Vehicle Air Bag Lifts Purchase	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Fire Department		Mandated										
Division	Fire Suppression		Council Goal		X								
Location	Fire Department		Dept. Goal	2014									

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Purchase Air Bags to replace our current air bags purchased in 1996. We have 2 - 32 ton, 1 - 15 ton and 1 - 1.5 ton airbags along with 4 - 25 ft sections of hose, 1 - 15 ft section of hose and 2 - 50 ft sections of hose. Air bags are used for lifting vehicles off a person or can be used in farm machinery or industrial entrapment rescues and building collapse rescues. When these airbags are used firefighters are often required to work under the heavy loads they are holding.

RATIONALE: (Cost/Benefit Analysis)

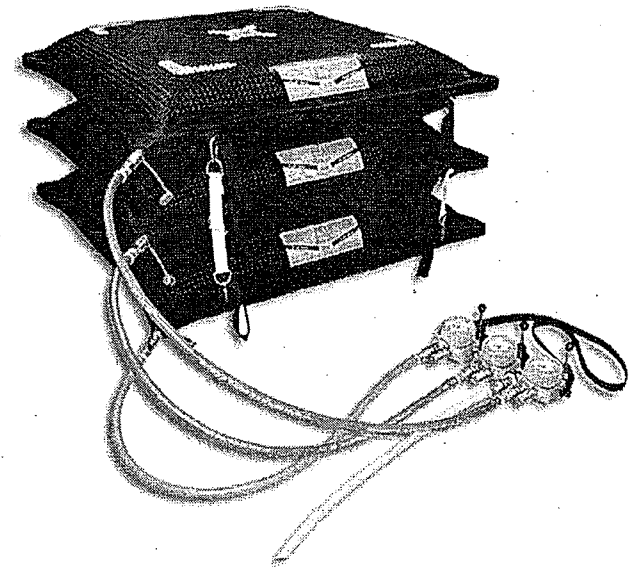
Although these air bags are tested annually they are subjected to large amounts of stress lifting objects up to 32 tons. These forces can create areas of fatigue that cannot be seen. The intention of this purchase is to begin replacing the air bags on a fixed lifetime of 15 years to maintain a high level of safety. A replacement period of 10 - 15 years is the manufacturers recommendation.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

The impact of this purchase would come in the form of prevented failures, prevented injuries and those related costs.

FINANCIAL PLAN

	PRIOR	FY13	FY13	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.			10,000									10,000
TOTAL	0	0	10,000	0	0	0	0	0	0	0	0	10,000
FUNDING:												
Operating Rev.												0
Capital Reserve			10,000									10,000
Bond												0
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	0	10,000	0	0	0	0	0	0	0	0	10,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Deputy Chief Vehicle Replacement	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Fire Department		Mandated										
Division	Fire Prevention		Council Goal			X							
Location	Fire Department		Dept. Goal 15 & 21										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

This vehicle is assigned to the Deputy Fire Chief and was purchased in 2007. As of August 9, 2012 the vehicle has 73,037 miles and is projected to have 144,000 on it in 2015. This vehicle should be replaced with a comparable vehicle.

RATIONALE: (Cost/Benefit Analysis)

After 8 years of front line service the vehicles are not suitable for emergency operations and would be better suited to be reassigned to the town fleet of support vehicles. Repair costs and reliability as emergency vehicles make it necessary to replace these vehicles.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

During the first three years of operation, the operating budget is impacted in a positive way while the vehicles major components are under warranty. General maintenance and gasoline costs remain unchanged.

FINANCIAL PLAN

	PRIOR	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.				45,000								45,000
TOTAL	0	0	0	45,000	0	0	0	0	0	0	0	45,000
FUNDING:												
Operating Rev.												0
Capital Reserve				45,000								45,000
Bond												0
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	0	0	45,000	0	0	0	0	0	0	0	45,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Hurst Tool Replacement	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Fire Department		Mandated										
Division	Fire Suppression		Council Goal			X							
Location	Fire Department		Dept. Goal 2015										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Replace all components of the Hurst tool including a primary power unit, back up power unit, cutters, spreaders and hydraulic rams that are stored on Rescue 1. Our current set is tested annually for function and hydraulic leaks, however, there is no available testing for fatigue of the components. These tools are subjected to all kinds of forces as they cut, pry and push apart cars in order to extricate victims from motor vehicle accidents. The intention of this purchase is to put these tools onto a fixed fifteen year life expectancy to maintain a high level of safety and reliability.

RATIONALE: (Cost/Benefit Analysis)

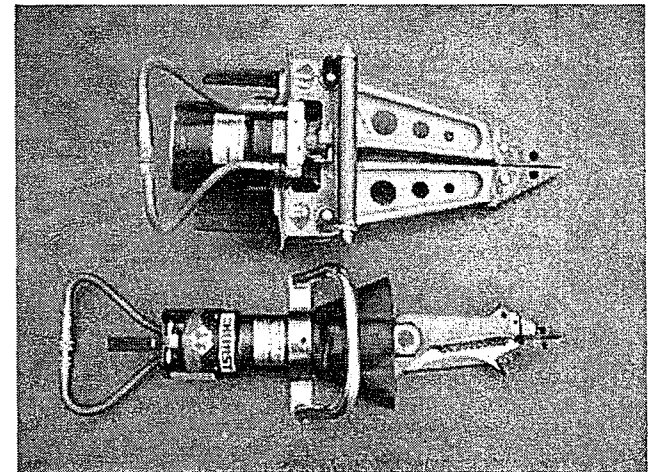
Of the current tools three are over 25 years old - two 1985 rams and one spreader. Four are over 10 years old - 2000 primary power unit, ram and 2 combi tools. One is over six years old - 2004 back up power unit. The newest piece of equipment is 5 years old - 2007 Cutter. Except for the newest cutter the tools are not strong enough to handle some of today's vehicles with stronger metals. Replacing the whole set would allow us to get tools with greater cutting, spreading and pushing forces.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

This replacement would allow us the opportunity to consider switching brands to standardize with the Amkus tools on the engine received by the Police Department under a grant. Some of the benefits that could come from this are reduced maintenance costs. Amkus provides all routine services with a maintenance contract. If we wanted to save even more costs, we could potentially send a firefighter to training to reduce the annual testing costs.

FINANCIAL PLAN

	PRIOR	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.				50,000								50,000
TOTAL	0	0	0	50,000	0	0	0	0	0	0	0	50,000
FUNDING:												
Operating Rev.												0
Capital Reserve				50,000								50,000
Bond												0
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	0	0	50,000	0	0	0	0	0	0	0	50,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Confined Space Trailer Equip. Replacement												
Department	Fire Department	Mandated										
Division	Fire Suppression	Council Goal				X						
Location	Fire Department	Dept. Goal 2016										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

The current trailer carries all of the department's specialized rescue gear for high angle and below grade rescues, trench rescue, woodland searches, etc. It contains tools, ropes, harnesses, tripods, shoring equipment, etc. The trailer can be towed behind the forestry or medic truck to a location as needed. In 2016 we are proposing to replace the equipment carried inside the trailer, not the trailer itself.

RATIONALE: (Cost/Benefit Analysis)

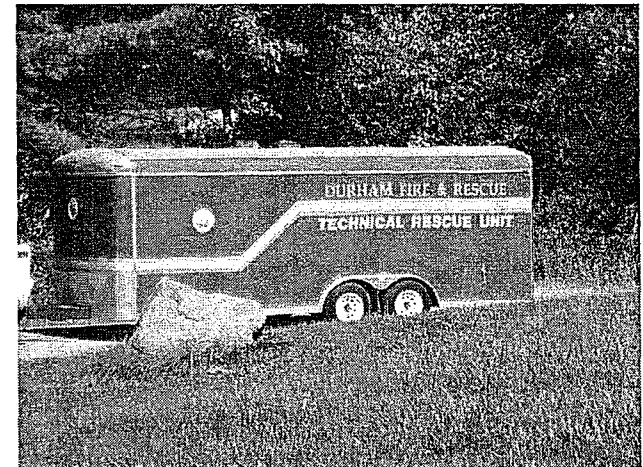
This item is crucial to us performing as a stand-by rescue team for confined space entries, as well as allowing us flexibility with other emergencies. The equipment of the vehicle has not been adequately upgraded since its original configuration and at this point it should be analyzed and upgraded to meet current standards and needs. We will also evaluate the exterior of the trailer but only expect cosmetic repairs will be needed. This is an estimate at this time for replacement and upgrade of equipment. We will be establishing an in-house committee to look closely at this equipment and get an accurate cost estimate as the time for replacement approaches.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

Maintenance is a minimum and consists of standard preventive vehicle maintenance.

FINANCIAL PLAN

	PRIOR	FY13	FY14	FY15	FY16	FY 17	FY 18	FY 19	FY 20	FY21	FY22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.					50,000							50,000
TOTAL	0	0	0	0	50,000	0	0	0	0	0	0	50,000
FUNDING:												
Operating Rev.												0
Capital Reserve					50,000							50,000
Bond												0
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	0	0	0	50,000	0	0	0	0	0	0	50,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Engine 2 Replacement	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Fire Department		Mandated										
Division	Fire Maintenance		Council Goal						X				
Location	51 College Road		Dept. Goal 2018										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Purchase a New Heavy duty custom fire pumper apparatus to replace Engine 2, which is a 1990 Emergency One Pumper.

RATIONALE: (Cost/Benefit Analysis)

Replace Engine 2 with a heavy duty custom fire pumper. This new pumper would be rotated to the "First Due" status and the current first due would be transferred to the "second-due" status to prolong its life. If this Engine is operational and maintenance costs are low then we could delay this purchase. This would be evaluated each year.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

Although there will be an expected moderate impact on the maintenance budget, the cost savings will be realized in the long run.

FINANCIAL PLAN

	PRIOR	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.							650,000					650,000
TOTAL	0	0	0	0	0	0	650,000	0	0	0	0	650,000
FUNDING:												
Operating Rev.												0
Capital Reserve												0
Bond							325,000					325,000
Federal												0
State												0
UNH							325,000					325,000
Trade In												0
Other												0
TOTAL	0	0	0	0	0	0	650,000	0	0	0	0	650,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Fire Prevention Vehicle Replacement	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Fire Department		Mandated										
Division	Fire Prevention		Council Goal						X				
Location	Fire Department		Dept. Goal 2017										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Administration car and Prevention car are assigned to the chief officers of the department and are utilized for incident command. As of August 7, 2012 this 2007 Ford Explorer had 69,859 miles and is projected to have 153,689 miles when due for replacement in 2018. We will be reassigning it to the fire inspector in 2013 which should reduce the number of miles per year so the overall projected number should be less. The vehicle should be replaced with a comparable vehicle.

RATIONALE: (Cost/Benefit Analysis)

After 10 years of service this vehicle will not be suitable for emergency operations and would be better suited to be reassigned to the town fleet of support vehicles. Repair costs and reliability as emergency vehicles make it necessary to replace these vehicles.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

During the first three years of operation, the operating budget is impacted in a positive way while the vehicles major components are under warranty. General maintenance and gasoline costs remain unchanged.

FINANCIAL PLAN

	PRIOR	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.							45,000					45,000
TOTAL	0	0	0	0	0	0	45,000	0	0	0	0	45,000
FUNDING:												
Operating Rev.												0
Capital Reserve							45,000					45,000
Bond												0
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	0	0	0	0	0	45,000	0	0	0	0	45,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Chief Vehicle Replacement	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Fire Department		Mandated										
Division	Fire Administration		Council Goal						X				
Location	Fire Department		Dept. Goal	2018									

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Chief officer vehicle which is utilized for incident command. The vehicle should be replaced with comparable vehicle purchased in 2010 which will allow us to transfer the command center from the old vehicle to the new saving thousands of dollars. The current 2010 Chevrolet Tahoe averages 36,000 miles per year and is projected to have 144,000 miles in 2018.

RATIONALE: (Cost/Benefit Analysis)

After 8 years of front line service the vehicle will have high mileage and should be retired. Repair costs and reliability as emergency vehicles make it necessary to replace these vehicles.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

During the first three years of operation, the operating budget is impacted in a positive way while the vehicles major components are under warranty. General maintenance and gasoline costs remain unchanged.

FINANCIAL PLAN

	PRIOR	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.							55,000					55,000
TOTAL	0	0	0	0	0	0	55,000	0	0	0	0	55,000
FUNDING:												
Operating Rev.												0
Capital Reserve							55,000					55,000
Bond												0
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	0	0	0	0	0	55,000	0	0	0	0	55,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Forestry Unit Replacement	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Fire Department		Mandated										
Division	Fire Maintenance		Council Goal						X				
Location	Fire Department		Dept. Goal 2018										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Replace Forestry unit after 10 years of service, with a similar vehicle as the Ford F-350 pick up truck. The vehicle is equipped with a portable water tank and necessary components for brush fires.

RATIONALE: (Cost/Benefit Analysis)

The rural character of the area makes it necessary to have a reliable vehicle which can be taken off road in rough terrain to fight brush fires.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

During the first three years of operation, the operating budget is impacted in a positive way while the vehicles major components are under warranty. General maintenance and gasoline costs remain unchanged.

FINANCIAL PLAN												
	PRIOR	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.							70,000					70,000
TOTAL	0	0	0	0	0	0	70,000	0	0	0	0	70,000
FUNDING:												
Operating Rev.												0
Capital Reserve							70,000					70,000
Bond												0
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	0	0	0	0	0	70,000	0	0	0	0	70,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Medic 1 Replacement	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Fire Department		Mandated										
Division	Fire EMS		Council Goal								X		
Location	Fire Department		Dept. Goal 2020										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

To replace the 2009 truck with a similar one-ton heavy duty pick up truck outfitted to be used as a medical response vehicle. As of August 9, 2012 the current vehicle has 21,074 miles and 2,494 hours of use on it. We are projecting that in 2020 it will have 84,000 miles and 9,600 hours of use. Equipped with emergency warning systems and two-way radio.

RATIONALE: (Cost/Benefit Analysis)

This is the Fire Department's primary response vehicle used with advanced life support level of care. To insure reliability in emergency responses where advanced life support and life saving equipment is necessary this vehicle should be replaced on an eight year schedule.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

During the first three years of operation, the operating budget is impacted in a positive way while the vehicles major components are under warranty. General maintenance and gasoline costs remain unchanged.

FINANCIAL PLAN

	PRIOR	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.									100,000			100,000
TOTAL	0	0	0	0	0	0	0	0	100,000	0	0	100,000
FUNDING:												
Operating Rev.												0
Capital Reserve									100,000			100,000
Bond												0
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	0	0	0	0	0	0	0	100,000	0	0	100,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Radio Antenna System Upgrades	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Fire Department		Mandated										
Division	Fire Suppression		Council Goal								X		
Location	Fire Department		Dept. Goal 2020										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

This is the time frame as directed by our radio communication technicians as to when we should be looking to upgrade the equipment associated with our repeater system that was installed in 2009.

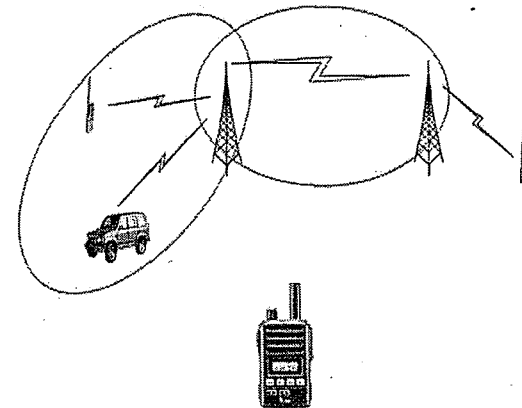
RATIONALE: (Cost/Benefit Analysis)

The repeaters we use are vital to our emergency communications with each other and the dispatch center. This is the 10 year mark and we need to evaluate the effectiveness of the equipment and see if there are any upgrades that should take place.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

FINANCIAL PLAN

	PRIOR	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.									250,000			250,000
TOTAL	0	0	0	0	0	0	0	0	250,000	0	0	250,000
FUNDING:												
Operating Rev.												0
Capital Reserve									250,000			250,000
Bond												0
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	0	0	0	0	0	0	0	250,000	0	0	250,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	LifePAK 15 Defibrillator Replacement	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Fire Department		Mandated										
Division	Fire EMS		Council Goal								X		
Location	Fire Department		Dept. Goal										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

This unit will effectively replace a Philips MRX 12-lead Defibrillator that was purchased in 2010. This unit is now directly compatible with the AED's on the UNH campus, which have been switched to the Philips brand as well. This monitor can automatically transmit the 12-lead tracing to five separate locations through Blue-tooth technology, utilizing pre-purchased software that is currently managed on a dedicated DFD server. The color screen on the monitor provides for real-time viewing of all 12 leads, allowing for verification of all lead tracings. Additionally, the unit conducts a self-test of most operating electronics contained within, assuring that the machine is always ready to go, and quickly indicates any detected mechanical/electrical problem with the unit.

RATIONALE: (Cost/Benefit Analysis)

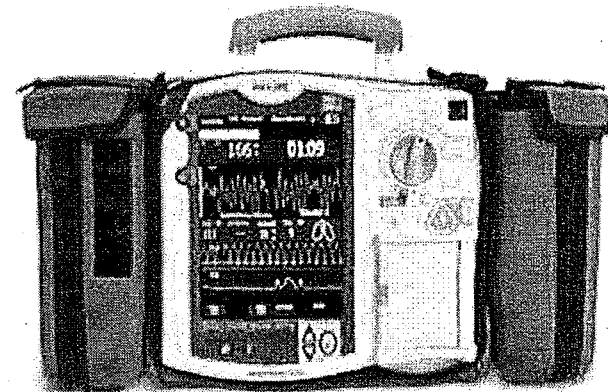
The Philips MRX 12-lead Defibrillator was purchased in 2010, replacing the out-dated Lifepak 12 by medtronic. DFD personnel have used this equipment extensively in the field and are impressed with its performance. This unit has eliminated the need for multiple spare batteries and a separate battery charger unit as well. In addition to a yearly maintenance fee, there is a discounted purchase plan in place for the associated disposable items.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

There may be a change in the yearly maintenance fee and/or disposable supplies.

FINANCIAL PLAN

	PRIOR	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.									40,000			40,000
TOTAL	0	0	0	0	0	0	0	0	40,000	0	0	40,000
FUNDING:												
Operating Rev.												0
Capital Reserve									40,000			40,000
Bond												0
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	0	0	0	0	0	0	0	40,000	0	0	40,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Purchase Washing Extractor/Dryer	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Fire Department		Mandated										
Division	Fire Maintenance		Council Goal								X		
Location	Fire Department		Dept. Goal 2020										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

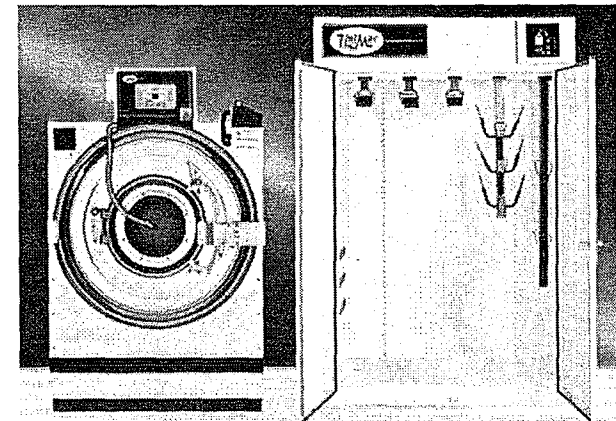
Purchase a Washing Machine Extractor and drying cabinet which will allow for less drying time. The drying cabinet offers dry times ranging from 1.5 hours to 3 hours. This will greatly reduce drying time and allow PPE (Turnout Gear) to get back into service faster.

RATIONALE: (Cost/Benefit Analysis)

Currently we can wash up to 2 sets of gear but this takes 2 cycles. We are hoping to capitalize on a new extractor that will allow 1 cycle per set of gear. The Drying Cabinet makes sense because it will allow gear to dry more quickly.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

FINANCIAL PLAN													
	PRIOR	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL	
EXPENDITURES:													
Pre-Design												0	
Design												0	
Purch/Const.									15,000			15,000	
TOTAL	0	0	0	0	0	0	0	0	15,000	0	0	15,000	
FUNDING:													
Operating Rev.												0	
Capital Reserve									15,000			15,000	
Bond												0	
Federal												0	
State												0	
UNH												0	
Trade In												0	
Other												0	
TOTAL	0	0	0	0	0	0	0	0	15,000	0	0	15,000	



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Turnout Gear	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Fire Department		Mandated										
Division	Fire Suppression		Council Goal										
Location	51 College Road		Dept. Goal 2022										X

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Purchase turnout gear to begin replacing items purchased in 2012.

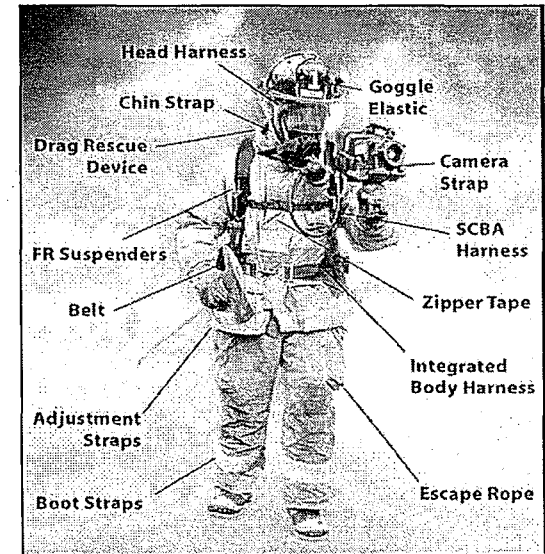
RATIONALE: (Cost/Benefit Analysis)

This will outfit the current Firefighters/Captains and Administrative staff with gear. A set consists of: a protective coat, a pair of protective pants tailored for each individual, boots, helmet, hood, gloves, suspenders, flashlights, forestry shirts etc. With the turnover of personnel over the last 3 years the yearly purchase has fallen dramatically behind and this purchase will give the department a clean slate to start with all personnel and give us the appropriate backup gear which is required under Union contract as well as needed for daily use. Backup gear is used when primary gear has been in a hazardous environment and is cleaned, the firefighter wears their backup set, it takes two days for a set to clean and dry appropriately.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

FINANCIAL PLAN

	PRIOR	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.											110,000	110,000
TOTAL	0	0	0	0	0	0	0	0	0	0	110,000	110,000
FUNDING:												
Operating Rev.												0
Capital Reserve											110,000	110,000
Bond												0
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	0	0	0	0	0	0	0	0	0	110,000	110,000



APPROVED 2013-2022 CAPITAL IMPROVEMENTS PROGRAM

Description	Rank	2013	Rank	2014	Rank	2015	Rank	2016	Rank	2017	Rank	2018	Rank	2019	Rank	2020	Rank	2021	Rank	2022
Public Works - Engineering Division																				
1/2 Ton Pickup Purchase	1	13,500																		
Stormwater Management System Improvements	2	520,000	1	325,000	1	300,000	1	275,000	1	225,000	1	160,000	1	110,000	1	110,000				
Culvert & Outfalls Improvements Program	3	19,500	2	21,200	2	149,515	2	92,696	2	95,877	2	92,355	2	89,114	2	97,207				
PW - ENGINEERING TOTALS		553,000		346,200		449,515		367,696		320,877		252,355		199,114		207,207		-		-

TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	1/2 Ton Pick-up Purchase	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Public Works	N/A	Mandated	X									
Division	Engineering		Council Goal										
Location	DPW Facility		Dept. Goal										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Purchase of a new 1/2 Ton pick-up truck for the Engineering Division.

RATIONALE: (Cost/Benefit Analysis)

Town Engineers currently use their personal vehicles on Town business and are reimbursed for their mileage. The Town will utilize the State Bid process to purchase this vehicle which is typically \$2,000-\$4,000 less than a vehicle purchased directly from a dealership.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

Minimal future maintenance.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.		13,500										13,500
TOTAL		13,500										13,500
FUNDING:												
Operating Rev.		13,500										13,500
Capital Reserve												0
Bond												0
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	13,500	0	0	0	0	0	0	0	0	0	13,500



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Stormwater Management System	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	DPW	Chapter 4 Section 4.7	Mandated	X									
Division	Engineering		Council Goal	X	X	X	X	X	X	X			
Location	Varies		Dept. Goal	X									

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Development of a Stormwater Management System Capital Improvement Plan and implementation of the plan that includes monitoring, repairs, and improvement projects according to a prioritized project list based on critical importance and need. In 2012, DPW proposed developing an Integrated Watershed Management Plan for the Oyster River watershed to reduce Durham and UNH's discharge of non-point source pollution entering the Great Bay. This work would typically be done using partly in-house management and partly design/planning support from consultants and contractors. This CIP Project will include identifying/mapping catch basins and stormdrains, installing bioretention structures (rain gardens and gravel wetlands) to treat the stormwater, in addition to water quality monitoring to satisfy the Town's expected MS4 stormwater requirements. These costs are roughly estimated and will be refined in 2013 by the engineering consultant recently hired to assist in the development of the Integrated Watershed Management Plan.

RATIONALE: (Cost/Benefit Analysis)

A Stormwater System CIP is an essential planning step for compliance with the EPA Phase II MS4 Stormwater regulations and is an essential component of the Durham/UNH Integrated Watershed Management Plan of the Oyster River Watershed. The anticipated new draft MS4 permit is expected to require a condition assessment of the entire MS4 system and implementation of a plan to correct deficiencies. 2013 projects include bioretention structures on Mill Pond and Oyster River Roads and Coe Drive Beards Creek Culvert.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

The overall impact to the operating budget is assumed to be minimal since it is mostly a planning tool to help reduce unanticipated maintenance costs.

FINANCIAL PLAN												
	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design		75,000										75,000
Design	10,000	95,000	75,000	50,000	25,000	25,000	10,000	10,000	10,000			310,000
Purch/Const.	48,934	350,000	250,000	250,000	250,000	200,000	150,000	100,000	100,000			1,698,934
TOTAL	58,934	520,000	325,000	300,000	275,000	225,000	160,000	110,000	110,000	0	0	2,083,934
FUNDING:												
Operating Rev.	58,934											58,934
Capital Reserve												0
Bond		520,000	325,000	300,000	275,000	225,000	160,000	110,000	110,000			2,025,000
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	58,934	520,000	325,000	300,000	275,000	225,000	160,000	110,000	110,000	0	0	2,083,934



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Culvert & Outfall Improvements												
Department	DPW	Mandated										
Division	Engineering	Council Goal	X	X	X	X	X	X	X	X		
Location	Varies	Dept. Goal	X									

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Design and construct new culverts and nearby outfalls on several brooks/streams Town wide. Continuation of undefined culvert and outfall repair/replacement projects are carried forward for the next eight years and a stormwater infrastructure CIP is being developed to prioritize the culverts and outfalls for repair and replacement. These projects are assumed to include some degree of stream bank restoration and possible off-site erosion control measures. This CIP item also include components of the Town/UNH Integrated Watershed Management Plan for the Oyster River Watershed which will include water quality sampling. Many of these outfalls and culverts are inaccessible and improvements will include design elements to allow for safe access by personnel to monitor conditions and conduct water quality sampling.

RATIONALE: (Cost/Benefit Analysis)

The following culverts and outfalls have been identified as being in serious disrepair and/or undersized which have required numerous repeat maintenance efforts and cause impact to nearby habitat from erosion and sedimentation.

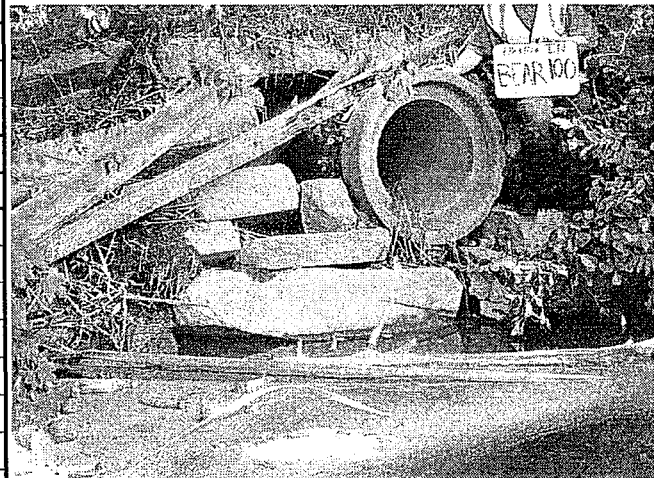
- Bagdad Road @ Littlehale Road
- Coe Drive @ Beards Creek
- Woodridge Road
- Oyster River Road (various locations)
- Mill Road @ Oyster River and College Brook
- Madbury Road @ Pettee Brook and Littlehale Creek
- Riverview Road
- Cedar Point Road
- Packers Falls Road @ Lamprey River
- Bennett Road @ Lamprey River
- Dame Road
- Mill Pond Road @ Pond

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

The overall impact to the operating budget is assumed to be minimal since it will result in less repeat repairs and reduced unanticipated maintenance costs.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design	43,000	19,500	21,200	49,515	44,251	43,990	44,555	44,114	43,750			353,875
Purch/Const.	75,000			100,000	48,445	51,887	47,800	45,000	53,457			421,589
TOTAL	118,000	19,500	21,200	149,515	92,696	95,877	92,355	89,114	97,207	0	0	775,464
FUNDING:												
Operating Rev.	118,000	19,500	21,200	149,515	92,696	95,877	92,355	89,114	97,207			775,464
Capital Reserve												0
Bond												0
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	118,000	19,500	21,200	149,515	92,696	95,877	92,355	89,114	97,207	0	0	775,464



APPROVED 2013-2022 CAPITAL IMPROVEMENTS PROGRAM

Description	Rank	2013	Rank	2014	Rank	2015	Rank	2016	Rank	2017	Rank	2018	Rank	2019	Rank	2020	Rank	2021	Rank	2022
Public Works - Operations Division																				
Road Resurfacing	1	331,407	1	412,410	1	382,779	1	425,647	1	362,017	1	425,402	1	488,457	1	326,672	1	427,034		409,630
Dump Truck Replacement	2	136,000	2	138,000	2	140,000	2	142,000					2	148,000						
Coe Drive Sidewalk				68,800																
One-Half Ton Pickup Truck Replacement	4	18,500																		
Street Lighting Upgrades	5	173,745																		
Sidewalk Improvements	6	102,260	3	48,000	3	39,000	3	32,500	2	14,600	3	41,200								
Main Street Railroad Bridge	7	78,500																		
Rubber Tire Excavator	8	215,000																		
Longmarsh Road Culvert Engineering/Replacement			4	765,000																
Crommets Creek Bridge Repair					4	359,000														
Downtown Parking Lot Paving					5	72,414														
Solar Message Trailer and Panels					6	36,138														
Backhoe Replacement (cost split w/Water & WW)											2	54,250								
Front End Loader Replacement															2	254,000				
Sidewalk Plow Tractor Replacement															3	125,000				
PW - OPERATIONS TOTALS		1,055,412		1,432,210		1,029,331		600,147		376,617		520,852		636,457		705,672		427,034		409,630

DURHAM 2013-2022 ROAD PROGRAM

INCLUDES 3% ANNUAL COST INCREASES

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2013-PAVEMENT PLAN

ROAD NAME	TREATMENT TYPE	MILEAGE	DISTANCE (FEET)	YEAR TREATMENT	COST
BEECH HILL ROAD	1" OL	0.13	692	1980	\$ 16,598.00
GARRISON AVENUE	2" OL	0.28	1478	1989	\$ 53,874.00
GRIFFITH DRIVE	1" OL	0.33	1745	1989	\$ 33,481.00
HOITT DRIVE	1" OL	0.16	844	1994	\$ 16,193.00
PINECREST LANE	1" OL	0.79	4197	1995	\$ 82,832.00
YOUNG DRIVE	RECLAIM + 3"	0.24	1243	1995	\$ 53,600.00
WISWALL ROAD PHASE II	RECLAIM + 3"	0.35	1840	1994	\$ 75,228.00
		2.28	SUBTOTAL		\$ 331,407.00

2014-PAVEMENT PLAN

ROAD NAME	TREATMENT TYPE	MILEAGE	DISTANCE (FEET)	YEAR TREATMENT	COST
BAYVIEW ROAD	1" OL	0.19	1010	1996	\$ 16,570.00
BEARDS LANDING	1" OL	0.14	739	1996	\$ 12,123.00
BRIARWOOD LANE	1" OL	0.09	500	1989	\$ 7,577.00
BUNKER LANE	1" OL	0.08	316	1995	\$ 5,183.00
CUTTS ROAD	1" OL	0.50	2620	1995	\$ 51,583.00
DENBOW ROAD	1" OL	0.44	2303	1995	\$ 46,495.00
DENNISON ROAD	1" OL	0.28	1482	1985	\$ 45,256.00
FFROST DRIVE	1" OL	0.81	4298	1995	\$ 84,620.00
GARDEN LANE	1" OL	0.35	1848	1992	\$ 35,495.00
LITTLEHALE ROAD	1" OL	0.28	1500	1993	\$ 29,532.00
PETTEE BROOK LANE	1" OL	0.20	1100	1991	\$ 23,747.00
STONE QUARRY DRIVE	1" OL	0.29	1535	1996	\$ 32,526.00
TIMBER BROOK LANE	1" OL	0.09	465	1994	\$ 9,155.00
WOODSIDE DRIVE	1" OL	0.11	580	1987	\$ 12,548.00
		3.83	SUBTOTAL		\$ 412,410.00

2015-PAVEMENT PLAN

ROAD NAME	TREATMENT TYPE	MILEAGE	DISTANCE (FEET)	YEAR TREATMENT	COST
CEDAR POINT ROAD	1" OL	0.12	650	1992	\$ 11,798.00
HAMPSHIRE AVENUE	1" OL	0.25	1297	1996	\$ 32,221.00
LUNDY LANE	1" OL	0.10	522	1996	\$ 10,538.00
MAIN STREET	1" OL	0.80	4230	2008	\$ 105,492.00
OLD LANDING ROAD	1" OL	0.25	1270	1985	\$ 25,668.00
OLD PISCATAQUA ROAD	1" OL	0.27	1410	1985	\$ 29,917.00
SCOTLAND ROAD	1" OL	0.08	414	1996	\$ 8,357.00
SIMONS LANE	1" OL	0.43	2281	1996	\$ 46,050.00
STROUT LANE	1" OL	0.13	665	1996	\$ 11,186.00
SURREY LANE	1" OL	0.70	3696	1990	\$ 75,174.00
TOM HALL ROAD	1" OL	0.08	441	1996	\$ 4,450.00
WOOD ROAD	1" OL	0.16	861	1996	\$ 21,728.00
		3.37	SUBTOTAL		\$ 382,779.00

2016-PAVEMENT PLAN

ROAD NAME	TREATMENT TYPE	MILEAGE	DISTANCE (FEET)	YEAR TREATMENT	COST
DURHAM POINT RD. (SOUTH)	RECLAIM + 3"	1.98	10480	1996	\$ 425,647.00
		1.98	SUBTOTAL		\$ 425,647.00

2017-PAVEMENT PLAN

ROAD NAME	TREATMENT TYPE	MILEAGE	DISTANCE (FEET)	YEAR TREATMENT	COST
CANNEY ROAD	1" OL	0.73	3865	1999	\$ 61,900.00
COLONY COVE ROAD	1" OL	0.40	2111	2000	\$ 37,276.00
COWELL DRIVE	1" OL	0.16	840	1998	\$ 18,541.00
EDGERLY-GARRISON RD.	1" OL	0.38	2000	2000	\$ 44,148.00
GLASSFORD LANE	1" OL	0.09	475	1998	\$ 8,386.00
SANDY BROOK DRIVE (B)	1" OL	0.58	3087	1990	\$ 81,239.00
SAUER TERRACE	1" OL	0.06	326	1998	\$ 5,756.00
SCHOOLHOUSE LANE	1" OL	0.16	834	2001	\$ 17,671.00
SPINNEY LANE	1" OL	0.16	870	1999	\$ 15,362.00
WATSON ROAD	1" OL	0.26	1360	2001	\$ 29,240.00
NOBEL K. PETERSON DR.	1" OL	0.19	1000	1999	\$ 22,500.00
		3.17	SUBTOTAL		\$ 362,017.00

2018-PAVEMENT PLAN

ROAD NAME	TREATMENT TYPE	MILEAGE	DISTANCE (FEET)	YEAR TREATMENT	COST
ELLISON LANE	1" OL	0.10	539	2001	\$ 9,742.00
HAMEL DRIVE	1" OL	0.11	579	2001	\$ 12,558.00
PACKERS FALLS ROAD	1" OL	3.09	16320	2001	\$ 353,895.00
PALMER DRIVE	1" OL	0.20	1051	2001	\$ 22,796.00
YORK DRIVE	1" OL	0.23	1213	2001	\$ 26,311.00
		3.73	SUBTOTAL		\$ 425,402.00

2019-PAVEMENT PLAN

ROAD NAME	TREATMENT TYPE	MILEAGE	DISTANCE (FEET)	YEAR TREATMENT	COST
BENNETT ROAD	1" OL	1.68	8,823	2002	\$ 198,414.00
MILL ROAD	1" OL	2.48	13,070	2002	\$ 290,043.00
		4.17	SUBTOTAL		\$ 488,457.00

2020-PAVEMENT PLAN

ROAD NAME	TREATMENT TYPE	MILEAGE	DISTANCE (FEET)	YEAR TREATMENT	COST
CARRIAGE WAY	1" OL	0.23	1214	2003	\$ 27,548.00
MEADOW ROAD	1" OL	0.16	855	2003	\$ 19,401.00
ROSEMARY LANE	1" OL	0.10	547	2003	\$ 12,412.00
SANDY BROOK DRIVE (A)	1" OL	0.80	4198	2005	\$ 98,762.00
SULLIVAN FALLS ROAD	1" OL	0.28	1475	2003	\$ 33,470.00
TECHNOLOGY DRIVE	1" OL	0.39	2057	2003	\$ 46,676.00
THOMPSON LANE	1" OL	0.29	1532	2006	\$ 40,852.00
WORTHEN ROAD	1" OL	0.39	2048	2004	\$ 47,551.00
		2.84	SUBTOTAL		\$ 326,672.00

2021-PAVEMENT PLAN

ROAD NAME	TREATMENT TYPE	MILEAGE	DISTANCE (FEET)	YEAR TREATMENT	COST
BARLETT ROAD	1" OL	0.26	1381	2004	\$ 32,028.00
EDGEWOOD ROAD	1" OL	0.85	4510	2002	\$ 104,598.00
FOGG DRIVE	1" OL	0.39	2040	2004	\$ 47,312.00
FOGG LANE	1" OL	0.04	211	2004	\$ 4,892.00
MERSERVE ROAD	1" OL	0.33	1716	2004	\$ 39,789.00
MOHARINET WAY	1" OL	0.10	525	2004	\$ 12,174.00
RIVERVIEW ROAD	1" OL	0.58	2956	2004	\$ 68,556.00
RIVERVIEW COURT	1" OL	0.07	369	2004	\$ 8,556.00
WOODRIDGE ROAD	1" OL	0.89	4700	2004	\$ 109,128.00
		3.49	SUBTOTAL		\$ 427,034.00

2022-PAVEMENT PLAN

ROAD NAME	TREATMENT TYPE	MILEAGE	DISTANCE (FEET)	YEAR TREATMENT	COST
COLD SPRING ROAD	1" OL	0.28	1500	2005	\$ 35,288.00
CONSTABLE ROAD	1" OL	0.15	797	2005	\$ 16,749.00
CORSON LANE	1" OL	0.08	400	2005	\$ 8,824.00
FALLS WAY	1" OL	0.21	1094	2005	\$ 25,737.00
FOSS FARM ROAD	1" OL	0.63	3334	2005	\$ 98,044.00
HEMLOCK WAY	1" OL	0.19	1006	2005	\$ 23,666.00
LONGMARSH ROAD	1" OL	0.57	3009	2005	\$ 70,790.00
MAPLE STREET	1" OL	0.06	316	2005	\$ 7,432.00
ORCHARD DRIVE	1" OL	0.51	2698	2005	\$ 63,473.00
RYAN WAY	1" OL	0.17	890	2005	\$ 20,938.00
STEVENS WAY	1" OL	0.30	1568	2005.00	\$ 36,889.00
		3.15	SUBTOTAL		\$ 409,630.00

TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Dump Trucks 35,000 GVW	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Public Works	N/A	Mandated	X	X	X	X			X			
Division	Operations		Council Goal										
Location	DPW Facility		Dept. Goal										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Purchase of a 35,000 LB GVW (Gross Vehicle Weight) dump truck with flow body, side wing and front plow. In 2013 we will be replacing Truck #7, a 2000 international dump truck with 4,800 hours and 12 years of service. This truck was originally scheduled to be replaced in 2012 but was moved out in the schedule to 2013:

RATIONALE: (Cost/Benefit Analysis)

Public Works has six 33,400 LB GVW dump trucks that are placed on a 10-12 year replacement schedule. These dump trucks operate up to 8 hours per day 4- 5 days a week and comprise the front line snow removal equipment for all Town roads. The Town completes all of its snow removal operations in house with this equipment. Our future plans will be to replace truck #1, a 2001 International, in 2014; replace truck #14, a 2002 Ford Sterling, in 2015; replace truck #31, a 2003 Ford Sterling, in 2016. In 2019 we will replace truck #2 which is a 2007 Ford Sterling.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

New equipment = Less breakdown and lesser repair costs. The Town has six (6) dump trucks and does all of its snow plowing in house. An industry study of municipal dump trucks revealed a twelve (12) year life expectancy for these vehicles. By having a scheduled replacement program, the operating budget will see relief in the form of : (1) Improvement of procedures regarding safety and policies (2) Reduced personnel time to make large repairs (3) More efficient and expanded services.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.	165,000	136,000	138,000	140,000	142,000			148,000				869,000
TOTAL	165,000	136,000	138,000	140,000	142,000	0	0	148,000	0	0	0	869,000
FUNDING:												
Operating Rev.												0
Capital Reserve												0
Bond	165,000	136,000	138,000	140,000	142,000			148,000				869,000
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	165,000	136,000	138,000	140,000	142,000	0	0	148,000	0	0	0	869,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

		MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Project Name	Coe Drive Sidewalk	Chapter 3 Section 3.1	Mandated										
Department	Public Works		Council Goal #7		X								
Division	Operations		Dept. Goal X										
Location	Coe Drive												

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Replacement of the 3,695 foot long, 5 foot wide bituminous asphalt sidewalk and concrete curbing installed in 1977. This sidewalk links the Oyster River Middle School to the Oyster River High School.

RATIONALE: (Cost/Benefit Analysis)

The deteriorated 30+ year old concrete curbed sidewalk along Coe Drive needs replacing. The existing curb and sidewalk will be replaced with Bituminous Asphalt and will include ADA compliant tip downs. The completion of this project is vital to the start of the Coe Drive roadway resurfacing scheduled for 2014.

- New asphalt curbing @ \$11/foot X 3,695 Feet = \$40,645
- Crushed gravel/ loam & seed = \$9,360
- Pave sidewalk 120 tons @ \$110/Ton = \$13,200
- Handwork/ curb patch 40 ton @ \$140/ton = \$5,600
- Total = \$ 68,805

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

No impact to other budgets, this will eliminate future maintenance costs for 25 years.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.			68,800									68,800
TOTAL	0	0	68,800	0	0	0	0	0	0	0	0	68,800
FUNDING:												
Operating Rev.												0
Capital Reserve												0
Bond			68,800									68,800
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	0	68,800	0	0	0	0	0	0	0	0	68,800



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

		MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Project Name	1/2 Ton Pick-up Replacement	N/A											
Department	Public Works		Mandated	X									
Division	Operations		Council Goal										
Location	DPW Facility		Dept. Goal		X								

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Replace Assistant Director of Operations 2003 1/2 Ton pick-up truck. The truck fleet is currently on a 10 -12 year replacement program. This vehicle currently has 117,826 miles and averages 12,000 miles per year.

RATIONALE: (Cost/Benefit Analysis)

This vehicle is the Assistant Director of Operations daily means of transportation during all work hours. This vehicle does not travel between home and work. This employee supervises the Operations Division, Building & Grounds Division, Sanitation Division, and Water Division.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

No impact on other departments, routine maintenance costs per year.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.		18,500										18,500
TOTAL	0	18,500	0	0	0	0	0	0	0	0	0	18,500
FUNDING:												
Operating Rev.		18,500										18,500
Capital Reserve												0
Bond												0
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	18,500	0	0	0	0	0	0	0	0	0	18,500



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Street Lighting Upgrades	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Public Works		Mandated										
Division	Operations		Council Goal	X									
Location	Town Wide		Dept. Goal	X									

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

The Town provides street lights at all intersections and the more populated areas throughout Town for public safety reasons. This project would change these street lights from inefficient high pressure sodium and metal halide lighting to more energy efficient L.E.D street lighting.

RATIONALE: (Cost/Benefit Analysis)

The Town owns 351 (Cobra Head Style) municipal street lights. Our municipal agreement with PSNH allows the street fixtures to be installed on their equipment (poles) for a set monetary rate controlled by the Public Utilities Commission (PUC). The agreement consists of the electricity to operate the fixture, bulb replacement and photo electric cell (on + off). Replacement fixture repair/replacement beyond the above scope is the financial responsibility of the Town. The current fixtures are 20-30 years old and becoming very costly to maintain. It is the recommendation of the DPW that all 351 Cobra Head Lights be replaced with the new L.E.D. Cobra Head Technology. Our current billing averages \$4,425 per month. We anticipate these replacements will bring the monthly average to \$2,655 and will show an energy savings of 60-70% system wide.

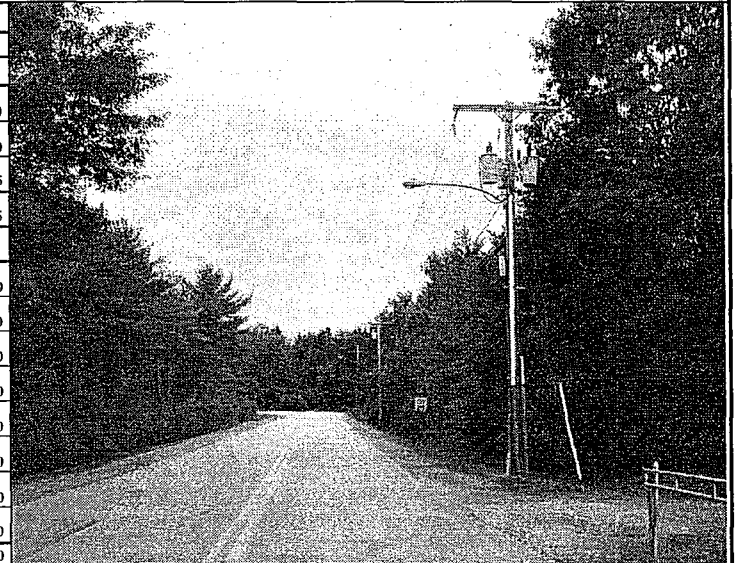
To move this project forward DPW will have to accomplish two things.

1. Petition PSNH to apply for a L.E.D municipal street lighting tariff (rate plan). Currently PSNH has no rate structure for L.E.D. or inductive street lighting. Inductive lighting is comparable to L.E.D. as far as reported energy savings and DPW will be investigating this option also.
 2. DPW will apply for an American Recovery and Reinvestment Act, Energy Efficiency and Conservation Block Grant (EECBG). This grant would cover a majority of the costs for this project.
- Project cost estimation: 351 fixtures @ \$495/per fixture = \$173,745

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

The L.E.D technology is reported to last 15-17 years.

FINANCIAL PLAN												
	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.		173,745										173,745
TOTAL		173,745										173,745
FUNDING:												
Operating Rev.												0
Capital Reserve												0
Bond												0
Federal		173,745										0
State												0
UNH												0
Trade In												0
Other												0
TOTAL		173,745										0



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Sidewalk Improvements	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Public Works	N/A	Mandated	X									
Division	Operations		Council Goal										
Location	Madbury/Garrison		Dept. Goal										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

With the 2013 opening of the new library on Madbury Road and road reconstruction along Garrison Ave associated with the new Paul Business School, we recommend upgrading the sidewalks in this area. Other sidewalk improvements recommended include Bagdad Road in 2014, Mill Road in 2015, Mill Pond Road in 2016, Newmarket Road in 2017 and Main Street in 2018.

RATIONALE: (Cost/Benefit Analysis)

Madbury Road – Install new 808 ft sidewalk and bike lane on the west side of Madbury Road from Garrison Ave to the Library site.

Survey \$4,200

Move existing PSNH stub pole = \$1,500

Adjust 4 existing catch basins @ \$2,000 = \$8,000

Install 759 linear feet of sloped granite curb

@ \$27 ft = \$20,493

Install 808 ft x 5 ft = 280 tons x \$140/ton = \$39,200

Crushed gravel = \$10,840

Loam & Seed = \$560

Traffic Markings = \$350

Total = \$85,143

Garrison Ave – The existing curb and sidewalk will be replaced with Bituminous Asphalt and will include ADA compliant tip downs.

Demolition = \$500

New asphalt curbing @ \$15/foot x 465 feet = \$6,975

Crushed gravel/loam & seed = \$2,501

49 tons hot asphalt @ \$140/Ton = \$6,860

Handwork/ curb patch 2 Ton = \$280

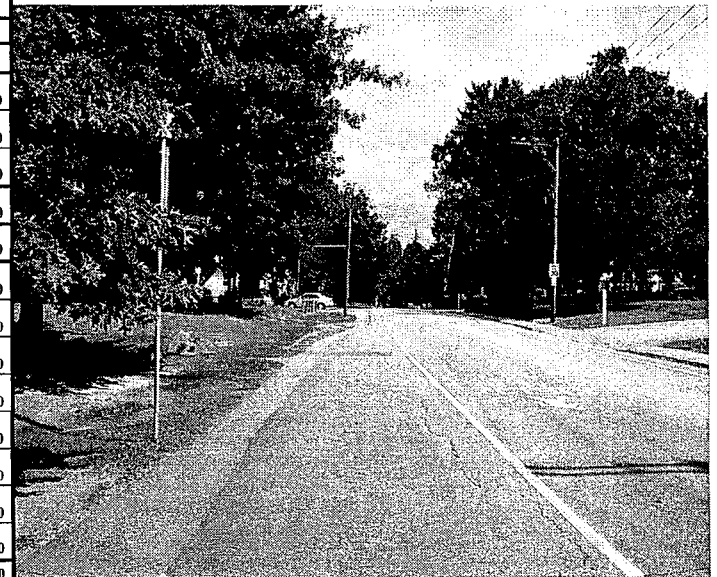
Total = \$17,116

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

This new sidewalk will add 15-20 minutes to the winter plowing schedule.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.		102,260	48,000	39,000	32,500	14,600	41,200					277,560
TOTAL	0	102,260	48,000	39,000	32,500	14,600	41,200	0	0	0	0	277,560
FUNDING:												
Operating Rev.			48,000	39,000	32,500	14,600	41,200					175,300
Capital Reserve												0
Bond		102,260										102,260
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	102,260	48,000	39,000	32,500	14,600	41,200	0	0	0	0	277,560



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Master Plan Information	Project Need	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Main Street Railroad Bridge	N/A	Mandated	X									
Department Public Works		Council Goal										
Division Operations		Dept. Goal										
Location Main Street												

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

In 2012 initial engineering was completed which identified structural deficiencies of the Main Street Railroad Bridge. This CIP item completes/repairs those structural deficiencies including steel plate resurfacing and concrete/masonry repairs.

RATIONALE: (Cost/Benefit Analysis)

This bridge is showing signs of minor deterioration in both the steel under carriage and masonry stone work.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

No impact on operating budget. NH State Bridge Aid will not be utilized for this project as there is no funding available until 2022.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design	19,500											19,500
Purch/Const.		78,500										78,500
TOTAL	0	78,500	0	0	0	0	0	0	0	0	0	98,000
FUNDING:												
Operating Rev.	19,500											19,500
Capital Reserve												0
Bond		78,500										78,500
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	19,500	78,500	0	0	0	0	0	0	0	0	0	98,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Rubber Tire Excavator Purchase	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Public Works		Mandated X	X									
Division	Operations		Council Goal										
Location	DPW Facility		Dept. Goal X										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

We would purchase a Rubber Tire Excavator to install bioretention retrofit structures for enhanced treatment in the Town's federally regulated stormwater management system. The estimated cost is based on a dealer quote for a Volvo EW 160 with a 4% contingency. The purchase is a critical component of the Durham/UNH Integrated Watershed Management Plan which is proposed to help satisfy the combined compliance with the federal wastewater and stormwater discharge permits and help improve the water quality of the Oyster River and the Great Bay estuary.

RATIONALE: (Cost/Benefit Analysis)

Currently the only piece of excavation equipment the Town owns with an articulated excavation arm is a Case Backhoe which may be versatile, however is very inefficient for digging in tight quarters and shaping slopes of swales and basins. A rubber tire excavator is very mobile and will increase the efficiency of installing stormwater management retrofit structures by 75 to 100% and will be equally useful for doing other repairs and installation within the Town's water and wastewater systems.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

A Stormwater SRF preapplication was submitted to NHDES for a low interest loan to purchase the excavator with the possibility of a 20% principal forgiveness grant. **This piece of equipment will only be purchased if grant funding is received.** In addition, if purchased, we will discuss with UNH the potential of their renting the piece of equipment if they choose to complete their stormwater projects in-house.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												
Design												
Purch/Const.		215,000										215,000
TOTAL	0	215,000	0	0	0	0	0	0	0	0	0	215,000
FUNDING:												
Operating Rev.												0
Capital Reserve												0
Bond		215,000										215,000
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	215,000	0	0	0	0	0	0	0	0	0	215,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Longmarsh Road Culvert	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Public Works	N/A	Mandated		X								
Division	Operations		Council Goal										
Location	Longmarsh Road		Dept. Goal	X									

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Construction to eliminate flooding along Longmarsh Road near the Newmarket Road intersection. Potential construction options will be reviewed once the preliminary engineering has been completed for the installation of either a 36 foot long bridge or five 60" concrete culverts on Longmarsh Road. This project will also raise the grade along 200 feet of Longmarsh Road by 12"- 15".

RATIONALE: (Cost/Benefit Analysis)

Currently there are two 48" culverts in this location. This area typically floods over Longmarsh Road at 6" of stormwater, resulting in the closure to one of only two entrances/exits to the Sunnyside Drive & Sandy Brook Drive neighborhoods. This closure increases traffic within the neighborhoods and congestion at the remaining entrance/exit. This project is part of the Laroche Brook and Hamel Brook Flood Mitigation Program.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

This project will eliminate hours of staff time when it is completed. DPW has applied for FEMA Mitigation Funding through the Department of Emergency Management . If accepted this program can contribute up to 75% reimbursement. **With the FEMA Mitigation Program the Town must finance and complete engineering plans for FEMA review before acceptance by FEMA.**

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design	51,000											51,000
Purch/Const.			765,000									765,000
TOTAL	51,000	0	765,000	0	0	0	0	0	0	0	0	816,000
FUNDING:												
Operating Rev.												0
Capital Reserve												0
Bond	12,750		153,000									165,750
Federal	38,250		612,000									650,250
State												0
UNH												0
Trade In												0
Other												0
TOTAL	51,000	0	765,000	0	0	0	0	0	0	0	0	816,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

		MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Project Name	Crommets Creek Bridge	State Red List											
Department	Public Works		Mandated X										
Division	Operations		Council Goal			X							
Location	Durham Point Road/ Bay Road		Dept. Goal X										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

We will be making repairs to the Crommet's Creek Bridge, which will improve the safety of this structure and increase the load limit. Currently this bridge is on the NH DOT Red List of deficient bridges in N.H.

RATIONALE: (Cost/Benefit Analysis)

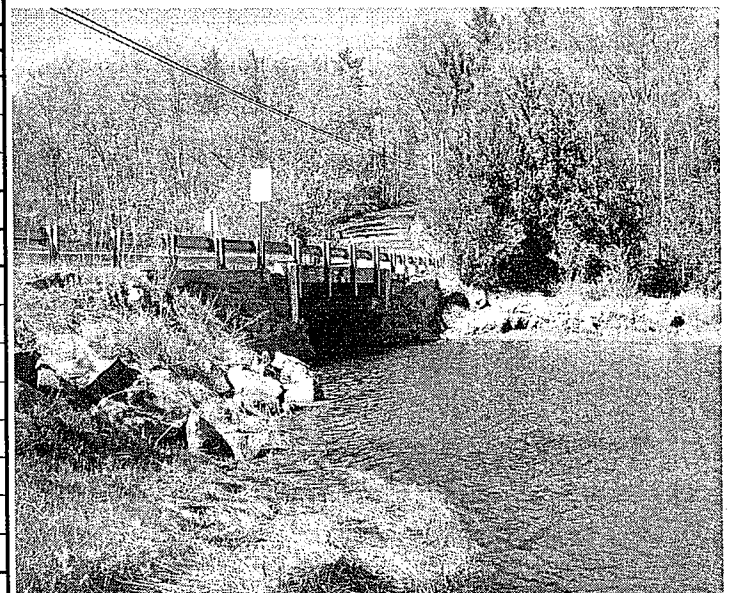
Crommet's Creek Bridge, located on Durham Point Road/Bay Road, is a narrow (21') single span structure with poor approach alignment in both directions. Because of its 15 ton posted load limit (on red list), age, and increasing usage, repair is recommended. The Department recommends a modified repair to strengthen the load limit. However, no realignment or reconfiguration of present bridge will be done. This might be eligible for 80% Federal/State funding via Bridge Aid Program. Construction estimate will likely change following preliminary engineering; additional funds may be required. Recommend maintaining the existing bridge "appearance" to fit in with the rural setting.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

No operational impact.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design	49,000											49,000
Purch/Const.				359,000								359,000
TOTAL	49,000	0	0	359,000	0	0	0	0	0	0	0	408,000
FUNDING:												
Operating Rev.												0
Capital Reserve												0
Bond	49,000			359,000								408,000
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	49,000	0	0	359,000	0	0	0	0	0	0	0	408,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Downtown Parking Lot Paving	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Public Works		Mandated										
Division	Operations		Council Goal			X							
Location	Permit Parking Lot		Dept. Goal	X									

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Asphalt shimming and wearing course applications at the Permit Parking and metered lot along Pettebrook Lane. ****The project will not move forward if the Durham Development Group moves forward with their project.****

RATIONALE: (Cost/Benefit Analysis)

The existing pavement at these two parking lots is 20+ years old and showing severe signs of deterioration. This project will repair deteriorated portions of the lot by applying 1/2" shim and then applying a 1" asphalt wearing course over the entire lot and applying traffic control markings per MUTCD standards.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

This project will help Town staff members to more efficiently maintain these lots (plowing & sweeping).

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.	34,550			72,414								106,964
TOTAL	34,550	0	0	72,414	0	0	0	0	0	0	0	106,964
FUNDING:												
Operating Rev.												0
Capital Reserve	34,550											34,550
Bond				72,414								72,414
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	34,550	0	0	72,414	0	0	0	0	0	0	0	106,964



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Solar Message Trailer	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Public Works		Mandated										
Division	Operations		Council Goal			X							
Location	Various		Dept. Goal	X									

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

These solar message centers are portable, changeable message signs with LED matrix panels. They are powered by batteries that are recharged by top mounted solar panels. The Town consistently has the need to get information out to the public and these message boards will allow the Town great flexibility with updates and notifications regarding traffic control, construction, changes to traffic patterns, special events or other general Town information.

RATIONALE: (Cost/Benefit Analysis)

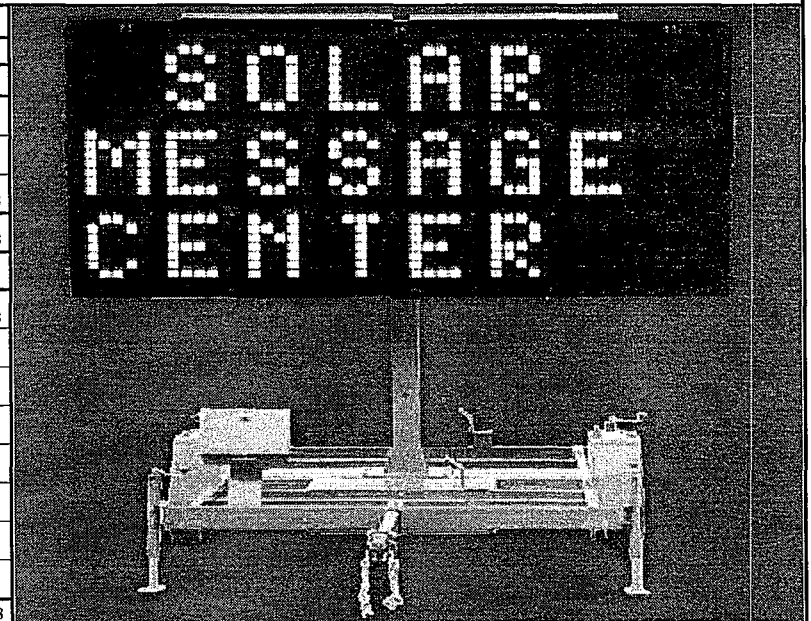
The Town would like to purchase 2 mini solar message centers with hydraulic pump, jack, radar detector and wheel immobilizer. Finding other grants and funding to cover this purchase has not been successful to date and at this point it is more fiscally prudent to purchase than keep renting. Each of these solar message centers costs \$18,069.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

No operating impact, just a much clearer message.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												
Design												
Purch/Const.				36,138								36,138
TOTAL		0	0	36,138	0	0	0	0	0	0	0	36,138
FUNDING:												
Operating Rev.				36,138								36,138
Capital Reserve												
Bond												
Federal												
State												
UNH												
Trade In												
Other												
TOTAL		0	0	36,138	0	0	0	0	0	0	0	36,138



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

		MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Project Name	Backhoe Replacement												
Department	Public Works												
Division	Operations, Water, WW								X				
Location	Various												
			Mandated										
			Council Goal										
			Dept. Goal										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Replace the 2006 JCB 4 Wheel Drive Backhoe.

RATIONALE: (Cost/Benefit Analysis)

This piece of equipment is scheduled for replacement in 2018. The 2006 JCB is on a 12 year replacment schedule. The machine is an essential piece of equipment for all Public Works Divisions and programs and is used year round. FUNDING: 50% Operations (\$54,250), 25% Water (\$27,125), 25% Wastewater (\$27,125- of which is 33% funded by UNH) will fund this purchase.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

Minimal impact for the first three years due to warranty.

FINANCIAL PLAN												
	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.							108,500					108,500
TOTAL	0	0	0	0	0	0	108,500	0	0	0	0	108,500
FUNDING:												
Operating - Gen							54,250					54,250
Operating - Water							27,125					27,125
Operation - WW							9,042					9,042
Bond												0
State/Federal												0
UNH							18,083					18,083
Trade In												0
Other												0
TOTAL	0	0	0	0	0	0	108,500	0	0	0	0	108,500



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Front End Loader Replacement	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Public Works		Mandated										
Division	Operations		Council Goal								X		
Location	Various		Dept. Goal	X									

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

The Town's 1990 John Deere 544E front end loader will need to be replaced in 2020.

RATIONALE: (Cost/Benefit Analysis)

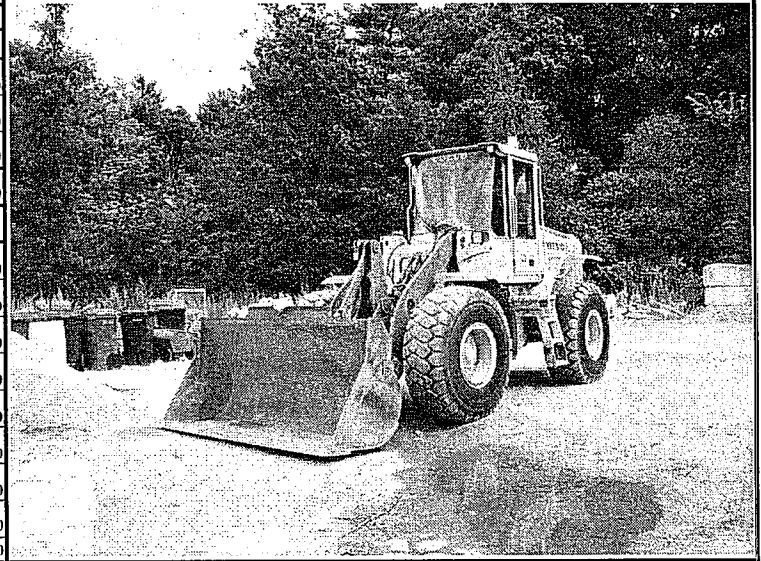
In 2020 the John Deere 544E front end loader will be 30 years old. Its reliability and repair parts will become a concern to DPW. This front end loader moves materials around and is responsible for stock piling and loading all of the Towns winter sanding operations.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

New equipment will be much more reliable and efficient.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.									254,000			254,000
TOTAL	0	0	0	0	0	0	0	0	254,000	0	0	254,000
FUNDING:												
Operating Rev.												0
Capital Reserve												0
Bond									254,000			254,000
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	0	0	0	0	0	0	0	254,000	0	0	254,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Sidewalk Plow Tractor Replacement												
Department Public Works		Mandated										
Division Operations		Council Goal								X		
Location Various		Dept. Goal	X									

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Replacement of the current 2000 Trackless 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.

RATIONALE: (Cost/Benefit Analysis)

This sidewalk tractor is on a 20 year replacement schedule. Durham has 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.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

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

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.									125,000			0
TOTAL	0	0	0	0	0	0	0	0	125,000	0	0	125,000
FUNDING:												
Operating Rev.												0
Capital Reserve												0
Bond									125,000			125,000
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	0	0	0	0	0	0	0	125,000	0	0	125,000



APPROVED 2013-2022 CAPITAL IMPROVEMENTS PROGRAM

Description	Rank	2013	Rank	2014	Rank	2015	Rank	2016	Rank	2017	Rank	2018	Rank	2019	Rank	2020	Rank	2021	Rank	2022
Public Works- Buildings & Grounds Division																				
New Town Hall	1	1,333,700																		
Landscape Trailer Replacement	2	10,225																		
Pedestrian Bridge - Old Landing Park	3	10,800																		
One-Half Ton Pickup Truck Replacement					1	13,800														
One Ton Dump Truck Replacement							1	46,000												
Old Landing Park Improvements							2	86,474												
3/4 Ton Pickup Replacement																				26,000
PW - BLDGS & GRDS TOTALS		1,354,725		-		13,800		132,474		-		-		-		-		-		26,000

TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Department	Division	Location	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
New Town Hall	Public Works	Buildings & Grounds	8 Newmarket Road	N/A	Mandated Council Goal Dept. Goal	X									

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

In 2012 the People's United Bank located at 8 Newmarket Road closed and listed the building for sale @ \$769,000. The current assessed valuation for the lot & building is \$867,300. The Town currently has a purchase & sales agreement for this property of \$745,000 to purchase the building and move the existing Town Offices to this location. The current building will need to be renovated and have an addition constructed.

RATIONALE: (Cost/Benefit Analysis)

Preliminary budget includes: Environmental impact study, Survey, Geotech/borings, Architectural fees, LEED Certification, Voice/Video/Data/Computer systems, Interior/exterior finishes, Testing services, Security, Signage, Fire Alarm/sprinkler system, Demolition/construction.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

The DPW will provide assistance with site work, landscaping, demolition and moving support services. It is anticipated the purchase and renovations to this building will be offset with the sale of the existing Town Office property at 15 Newmarket Road.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design		170,000										170,000
Purch/Const.	745,000	1,163,700										1,908,700
TOTAL	745,000	1,333,700	0	0	0	0	0	0	0	0	0	2,078,700
FUNDING:												
Operating Rev.												0
Capital Reserve												0
Bond		878,700										878,700
Federal												0
State												0
UNH												0
Trade In												0
Sale of 15 Newmarket Rd	745,000	455,000										1,200,000
TOTAL	745,000	1,333,700	0	0	0	0	0	0	0	0	0	2,078,700



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Landscape Trailer Replacement	N/A	Mandated	X									
Department Public Works		Council Goal										
Division Buildings & Grounds		Dept. Goal										
Location Various												

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

The Buildings and Grounds Department moves all its mowing /trimming equipment from job sites with a landscape trailer.

RATIONALE: (Cost/Benefit Analysis)

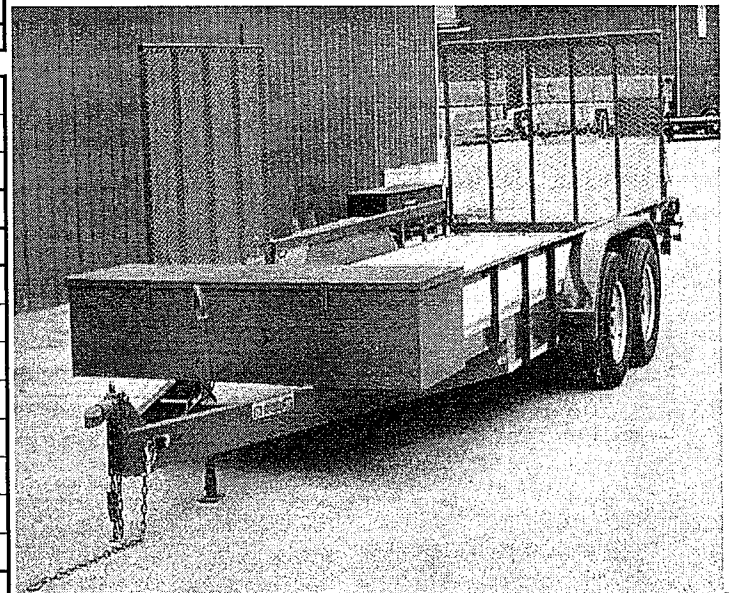
Current landscape trailer is a 1992 model which is worn out and becoming a safety concern. Of particular concern is the condition of the dual axles.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

Minor maintenance, approximately every 5 years.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.		10,225										10,225
TOTAL		10,225	0	0	0	0	0	0	0	0	0	10,225
FUNDING:												
Operating Rev.		10,225										10,225
Capital Reserve												0
Bond												0
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL		10,225	0	0	0	0	0	0	0	0	0	10,225



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Department	Division	Location	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Pedestrian Bridge	Public Works	Buildings & Grounds	Old Landing Park	N/A	Mandated Council Goal Dept. Goal	X									

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Repair, stain and preserve the 1991 pedestrian foot bridge at Old Landing Park. This timber bridge crosses the Oyster River.

RATIONALE: (Cost/Benefit Analysis)

The pedestrian bridge which was built in 1991 is made from teakwood and has not been treated with a wood preservative over the past 21 years. This project will apply two coats of a clear wood preserver and sealer. A challenge for this project will be the preserving of the outside bridge railing and framing.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

No impact.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.		10,800										10,800
TOTAL	0	0	0	0	0	0	0	0	0	0	0	10,800
FUNDING:												
Operating Rev.		10,800										10,800
Capital Reserve												0
Bond												0
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	10,800	0	0	0	0	0	0	0	0	0	10,800



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	1/2 Ton Pick-up Replacement	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Public Works	N/A	Mandated										
Division	Building & Grounds		Council Goal			X							
Location	DPW Facility		Dept. Goal	X									

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

The town would like to replace the current Buildings & Grounds Division 2005 1/2 Ton Pick-up Truck. This truck is used daily by B & G employees for moving staff and equipment from site to site. The truck fleet is currently on a 10 -12 year replacement program.

RATIONALE: (Cost/Benefit Analysis)

This 1/2 Ton 2005 (Ford Ranger) Pick-up 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, as most are, will be purchased through the state bid process.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

No impact to other department's budgets. Routine maintenance costs per year. DPW has previously downsized this vehicle in 2005 to obtain better gas mileage.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.				13,800								13,800
TOTAL	0	0	0	13,800	0	0	0	0	0	0	0	13,800
FUNDING:												
Operating Rev.				13,800								13,800
Capital Reserve												0
Bond												0
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	0	0	13,800	0	0	0	0	0	0	0	13,800



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	1 Ton Dump Truck Replacement	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Public Works	N/A	Mandated										
Division	Building & Grounds		Council Goal				X						
Location	Public Works Facility		Dept. Goal										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

We will be replacing the current 2006 Ford 1-ton, Four Wheel Drive Dump Truck with a 2016 1-ton equipped with plowing and sand/salt spreading capabilities.

RATIONALE: (Cost/Benefit Analysis)

This vehicle will replace a 2006 Ford 1-ton Dump Truck and will be outfitted with a plow and sand/salt spreader. 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.

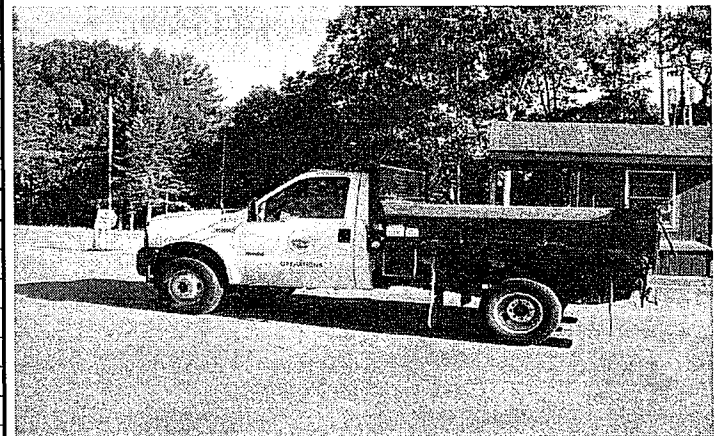
This vehicle is the sole vehicle used during winter storms at such sites as the Police Station, Town Hall, Lee Well, Wagon Hill Farm, Transfer Station and various parking lots.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

Optimum trade-in time is 10 years. Expected trade value is \$6,000. Tires, filters, hydraulics will be \$300/year included in the operating budget.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.					46,000							46,000
TOTAL	0	0	0	0	46,000	0	0	0	0	0	0	46,000
FUNDING:												
Operating Rev.												0
Capital Reserve												0
Bond					46,000							46,000
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	0	0	0	46,000	0	0	0	0	0	0	46,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Old Landing Park Improvements	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Public Works	N/A	Mandated										
Division	Buildings & Grounds		Council Goal				X						
Location	Old Landing Road		Dept. Goal										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

We will be making improvements to the Old Landing Park, including repairing the dilapidated stone wall along the Oyster River, installing a new aluminum dock, rope railings, possibly razing the old brick pump house and creating a larger lawn area. This project was originally proposed six years ago.

RATIONALE: (Cost/Benefit Analysis)

The stone wall along the Oyster River bordering Old Landing Park has deteriorated and collapsed in a couple of areas. Completing these repairs increases safety and makes the park more usable by residents.

-Stone wall repair - \$38,500.

-Additional improvements include replacing the current wooden dock with an aluminum dock - \$22,043

-Replacing the railing along the shoreline/parking area - \$3,029

-Demolition of the pump house - \$12,000

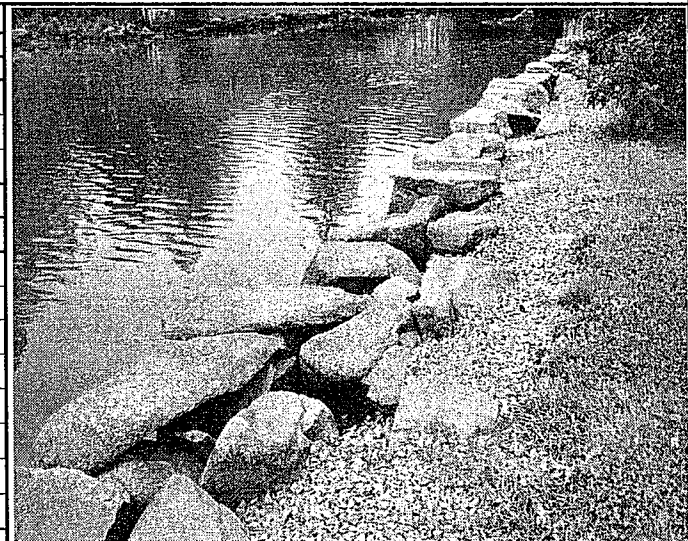
-Rehabilitation of lawn area - \$10,902.

OPERATING BUDGET IMPACT:

No impact on operating budget.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.					86,474							86,474
TOTAL	0	0	0	0	86,474	0	0	0	0	0	0	86,474
FUNDING:												
Operating Rev.												0
Capital Reserve												0
Bond					86,474							86,474
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	86,474



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

		MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Project Name	3/4 Ton Pick-up Replacement	N/A											
Department	Public Works		Mandated										
Division	Building & Grounds		Council Goal										
Location	DPW Facility		Dept. Goal	X									X

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Replace Buildings & 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.

RATIONALE: (Cost/Benefit Analysis)

This vehicle is used by the Building & 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.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

No impact to other Departments, routine maintenance costs per year.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.											26,000	26,000
TOTAL	0	0	0	0	0	0	0	0	0	0	26,000	26,000
FUNDING:												
Operating Rev.											26,000	26,000
Capital Reserve												0
Bond												0
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	0	0	0	0	0	0	0	0	0	26,000	26,000



APPROVED 2013-2022 CAPITAL IMPROVEMENTS PROGRAM

Description	Rank	2013	Rank	2014	Rank	2015	Rank	2016	Rank	2017	Rank	2018	Rank	2019	Rank	2020	Rank	2021	Rank	2022
Public Works - Sanitation Division																				
Refuse Collection Vehicle Replacement			1	225,000																
Recycling Collection Vehicle Replacement					1	104,000														
PW - SANITATION TOTALS		-		225,000		104,000		-		-		-		-		-		-		-

TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

		MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Project Name	Refuse Collection Vehicle	N/A	Mandated		X								
Department	Public Works		Council Goal										
Division	Sanitation		Dept. Goal										
Location	Transfer Station/Recycling Center												

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

The DPW needs to replace the current 2005 Refuse Collection Vehicle with a new front line curbside collection vehicle. The DPW has invested over \$50,000 in repairs to this existing vehicle over the past 6 years. This vehicle has 13,212 hours of usage.

RATIONALE: (Cost/Benefit Analysis)

This new refuse collection vehicle will replace the 2005 International/Kahn refuse collection vehicle, as the front line collection truck. This vehicle currently runs 40+ hours per week and makes approx. 450 stops per day. The continuous wear and tear takes its toll on the vehicle. The department will be trading in the current back up, a 1997 Crane Carrier.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

Normal maintenance items such as tires, brakes, batteries, motor oil, hydraulic oil, will impact the operating budget by \$3,000/ per year. In 2011 DPW bid out the refuse collection program. This would have eliminated the need to replace this truck. The bid results show a \$55,000 savings by keeping collection in house.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.			225,000									225,000
TOTAL	0	0	225,000	0	0	0	0	0	0	0	0	225,000
FUNDING:												
Operating Rev.												0
Capital Reserve												0
Bond			225,000									225,000
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	0	225,000	0	0	0	0	0	0	0	0	225,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Recycling Collection Vehicle	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Public Works	N/A	Mandated										
Division	Sanitation		Council Goal			X							
Location	Transfer Station/Recycling Center		Dept. Goal			X							

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

The Town would like to replace the current 2005 curbside recycling collection vehicle with a new, more efficient vehicle in 2015. This vehicle currently has 12,900 hours of usage.

RATIONALE: (Cost/Benefit Analysis)

This Recycling Collection Vehicle will replace the 2005 International/Kahn recycling collection vehicle. This vehicle runs 50+ hours per week and makes approx. 2,200 stops per week. The continuous wear and tear takes a toll on the vehicle. This is the only recycling vehicle the Town owns.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

Normal maintenance items such as filters, tires, brakes, lights, and motor oil will add approximately \$3,600 to operating budget.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.				104,000								104,000
TOTAL	0	0	0	104,000	0	0	0	0	0	0	0	104,000
FUNDING:												
Operating Rev.												0
Capital Reserve												0
Bond				104,000								104,000
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	0	0	104,000	0	0	0	0	0	0	0	0



Water Fund Proposed Bond Schedule

PROJECT NAME	PROJECT YEAR	BOND LENGTH	TOTAL AMOUNT BONDED/ LEASED	ESTIMATED INTEREST COSTS	TOTAL ESTIMATED COST	2013 PRINCIPAL	2013 INTEREST	2014 PRINCIPAL	2014 INTEREST	2015 PRINCIPAL	2015 INTEREST	2016 PRINCIPAL	2016 INTEREST	2017 PRINCIPAL	2017 INTEREST	2018 PRINCIPAL	2018 INTEREST	2019 PRINCIPAL	2019 INTEREST	2020 PRINCIPAL	2020 INTEREST	2021 PRINCIPAL	2021 INTEREST	2022 PRINCIPAL	2022 INTEREST
Spruce Hole Well Development	2009	10	\$445,000	\$86,043	\$531,043			\$45,000	\$16,743	\$45,000	\$14,000	\$45,000	\$12,425	\$45,000	\$10,850	\$45,000	\$9,275	\$45,000	\$7,700	\$45,000	\$6,125	\$45,000	\$4,550	\$45,000	\$2,975
Water Meter Upgrade	2012	10	\$418,000	\$79,777	\$497,777			\$43,000	\$15,727	\$45,000	\$13,125	\$45,000	\$11,550	\$45,000	\$9,975	\$40,000	\$8,400	\$40,000	\$7,000	\$40,000	\$5,600	\$40,000	\$4,200	\$40,000	\$2,800
Water Tank Reconditioning	2013	20	\$750,000	\$157,189	\$907,189			\$40,000	\$34,266	\$40,000	\$30,175	\$40,000	\$28,475	\$40,000	\$26,775	\$40,000	\$25,075	\$40,000	\$23,375	\$40,000	\$21,675	\$40,000	\$19,975	\$40,000	\$18,275
Spruce Hole Well	2013/2014	20	\$560,000	\$107,870	\$667,870					\$60,000	\$21,070	\$60,000	\$17,500	\$55,000	\$15,400	\$55,000	\$13,475	\$55,000	\$11,550	\$55,000	\$9,625	\$55,000	\$7,700	\$55,000	\$5,775
Wiswall Dam Spillway	2014	5	\$70,000	\$6,671	\$76,671					\$15,000	\$2,446	\$15,000	\$1,788	\$15,000	\$1,300	\$15,000	\$812	\$10,000	\$325						
Wiswall Dam Spillway	2015	10	\$465,000	\$88,896	\$553,896							\$50,000	\$17,496	\$50,000	\$14,525	\$50,000	\$12,775	\$45,000	\$11,025			\$45,000	\$7,875	\$45,000	\$6,300
OUTSTANDING BONDS/LEASES/SRF LOANS																									
Outstanding Bonds thru 2002						\$34,699	\$8,662	\$34,699	\$7,274	\$32,740	\$5,886	\$32,740	\$4,536	\$23,509	\$3,144	\$23,509	\$2,116	\$23,506	\$1,058						
2006 Bond	2003-2006	20	\$545,469			\$26,026	\$14,241	\$27,291	\$13,240	\$27,291	\$12,175	\$27,291	\$11,112	\$24,841	\$10,020	\$24,841	\$9,027	\$24,841	\$8,033	\$24,841	\$7,039	\$24,841	\$6,045	\$25,262	\$5,053
2008 Bond	2007-2008	20	\$724,900			\$35,800	\$24,655	\$35,800	\$23,402	\$35,800	\$22,149	\$36,300	\$20,807	\$36,300	\$18,992	\$36,300	\$17,540	\$36,400	\$15,725	\$36,400	\$15,725	\$36,400	\$12,722	\$36,400	\$11,193
Lamprey River Transmission Main	2002	15 YRS	\$928,554			\$62,635	\$9,164	\$64,810	\$6,989	\$67,060	\$4,739	\$69,389	\$2,410												
TOTALS			\$4,806,923			\$159,160	\$56,722	\$290,600	\$117,641	\$367,891	\$125,765	\$420,720	\$128,098	\$334,650	\$110,981	\$329,650	\$98,495	\$319,747	\$85,791	\$241,241	\$65,789	\$286,241	\$63,067	\$286,662	\$52,371
						TOTAL 2013		TOTAL 2014		TOTAL 2015		TOTAL 2016		TOTAL 2017		TOTAL 2018		TOTAL 2019		TOTAL 2019		TOTAL 2019		TOTAL 2019	
						\$215,882		\$408,241		\$493,656		\$548,818		\$445,631		\$428,145		\$405,538		\$307,030		\$349,308		\$339,033	

APPROVED 2013-2022 CAPITAL IMPROVEMENTS PROGRAM

Description	Rank	2013	Rank	2014	Rank	2015	Rank	2016	Rank	2017	Rank	2018	Rank	2019	Rank	2020	Rank	2021	Rank	2022
Water Fund																				
Spruce Hole Well Development	1	302,000	1	1,378,000																
Beech Hill & Foss Farm Water Tank Reconditioning	2	815,000																		
Wiswall Dam Spillway			2	70,000	1	465,000														
Backhoe Replacement (Cost split w/Oper. & WW)											1	27,125								
One Ton Utility Truck Replacement																		1		40,000
TOTAL WATER FUND		\$1,117,000		\$1,448,000		\$465,000		\$0		\$0		\$27,125		\$0		\$0		\$0		\$40,000

TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Department	Division	Location	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Spruce Hole Well Development	Public Works	Water	Packers Falls Road	Chapter 7 PG 7.51	Mandated	X	X								
					Council Goal										
					Dept. Goal			X							

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Final engineering and construction of a municipal well within the Spruce Hole Aquifer. Based on the preliminary engineering report, the most cost effective approach for connecting a new water source located within the Spruce Hole Aquifer includes utilizing the Lamprey River water main (a.k.a. Lamprey Hard Pipe). This would require sending water from the new well to the UNH Water Treatment Plant, and at times transferring water from the Lamprey River, via the capacity of the hard pipe, and discharging it into artificial recharge basins. Raw water from the Lamprey River would be filtered through the sediments of the aquifer and withdrawn by the proposed well as treated water. The final design will include a dual purpose piping configuration with valve clusters to convey water from either the new well to the Lamprey Hard Pipe or water from the Lamprey River Pump Station to artificial recharge basins. In addition to the piping and valve clusters, the design will also include overhead and/or underground 3-phase power, a well pump and electronic controls, and miscellaneous components required for water supply compliance, chemical adjustments, and disinfection.

RATIONALE: (Cost/Benefit Analysis)

The Town's Master Plan and 2004 Water Allocation Report calls for the development of the Spruce Hole Aquifer as the next water source for the Durham/UNH community. The demands on the water system at the times of dry/drought conditions lowers surface water supplies, and has the potential of creating an emergency condition for all users on the water system. The final phase of construction would connect the well to the distribution system.

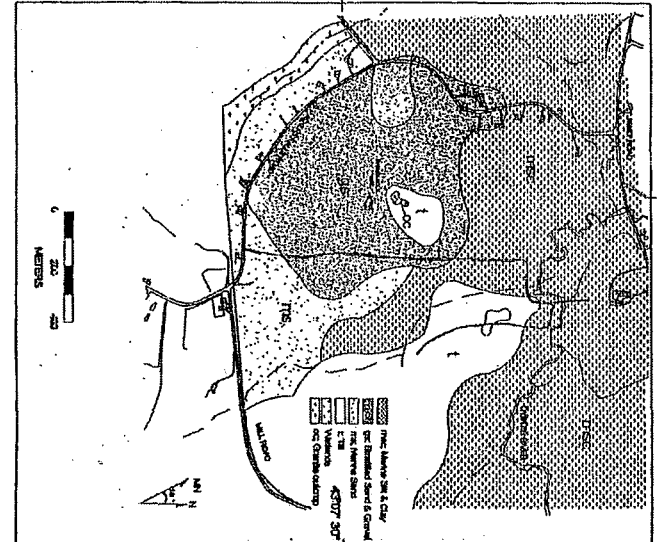
OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

The project would be cost shared with UNH on a 1/3 Town 2/3 UNH basis. At this time future maintenance costs are undetermined, but existing Town staff is confident that we can handle the daily maintenance requirements of a new municipal well.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Engineering		302,000	95,000									397,000
Purch/Const.			1,283,000									1,283,000
TOTAL		302,000	1,378,000	0	0	0	0	0	0	0	0	1,680,000
FUNDING:												
Operating Rev.												0
Capital Reserve												0
Bond		100,667	459,333									560,000
Federal												0
State												0
UNH		201,333	918,667									1,120,000
Trade In												0
Other												0
TOTAL		302,000	1,378,000	0	0	0	0	0	0	0	0	1,680,000

Figure 8-2: Surficial Geologic Map at the Spruce Hole Formation (Koeff, 1989).



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

		MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Project Name	Water Tank Reconditioning												
Department	Public Works												
Division	Water												
Location	Foss Farm & Beech Hill												
			Mandated	X									
			Council Goal										
			Dept. Goal										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Interior and exterior painting of the 3,000,000 gallon Foss Farm water storage tank. In addition the interior and exterior of the 650,000 gallon Beech Hill water storage tank will be painted.

RATIONALE: (Cost/Benefit Analysis)

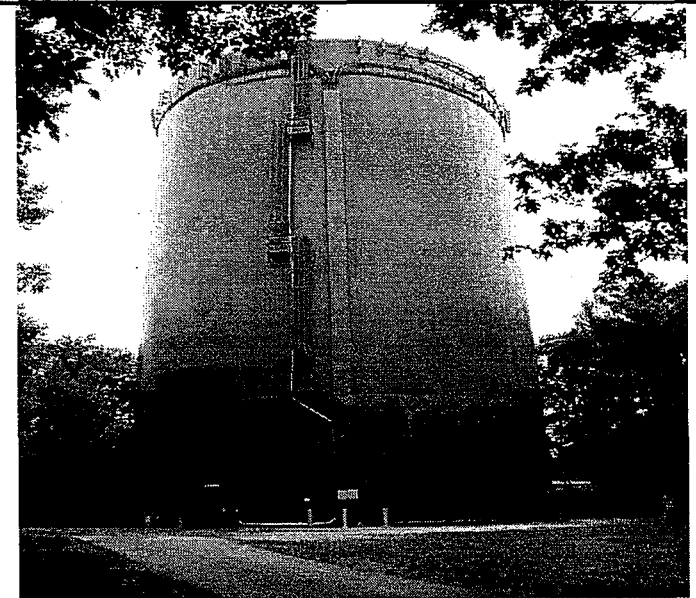
The interior of the Foss Farm tank has not been painted in 17 years, and it is showing wear and tear from the elements & Beech Hill inside of tank has not been painted in 25 years, has begun to show wear and tear. The estimated costs to rehabilitate the Foss Farm and Beech Hill Tanks are \$580,000 and \$210,000 respectively. UNH will be deferring future maintenance on the 1,000,000 gal Edgewood Road Tank until these tanks are back on line. Funding also includes \$25,000 for engineering services to facilitate the bidding and inspection on the project.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

No impact on other departments.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design		25,000										25,000
Purch/Const.		790,000										790,000
TOTAL	0	815,000	0	0	0	0	0	0	0	0	0	815,000
FUNDING:												
Operating Rev.												0
Capital Reserve		65,000										65,000
Bond		750,000										750,000
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	815,000	0	0	0	0	0	0	0	0	0	815,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Wiswall Dam Spillway												
Department DPW		Mandated X										
Division Water		Council Goal		X	X							
Location Wiswall Dam		Dept. Goal X										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

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 all these years. Part of the 2011 Wiswall Dam Repair and Fish Ladder 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 project going forward will require additional engineering in 2014 to design and permit the solution, with construction expected to take place in 2015. The engineering and construction costs for 2015 are roughly estimated and will be refined in 2014.

RATIONALE: (Cost/Benefit Analysis)

The Wiswall Dam is considered a Significant Hazard (Class B) Dam by the Dam Bureau of the New Hampshire Department of Environmental Services. NHDES's Dam Safety standards dictate that all Class B dams be evaluated for stability and the risk of failure resulting in downstream flood inundation. Prior evaluations of the Wiswall Dam has shown that additional structural measures are required to increase the stability of the dam's spillway and reduce the risk of failure.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

No impact on operating budget.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design			70,000	90,000								160,000
Purch/Const.				375,000								375,000
TOTAL	0	0	70,000	465,000	0	0	0	0	0	0	0	535,000
FUNDING:												
Operating Rev.												0
Capital Reserve												0
Bond			70,000	465,000								535,000
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	0	70,000	465,000	0	0	0	0	0	0	0	535,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

		MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Project Name	Backhoe Replacement		Mandated										
Department	Public Works		Council Goal						X				
Division	Operations, Water, WW		Dept. Goal										
Location	Various												

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Replace the 2006 JCB 4 Wheel Drive Backhoe.

RATIONALE: (Cost/Benefit Analysis)

This piece of equipment is scheduled for replacement in 2018. The 2006 JCB is on a 12 year replacement schedule. The machine is an essential piece of equipment for all Public Works Divisions and programs and is used year round. FUNDING: 50% Operations (\$54,250), 25% Water (\$27,125), 25% Wastewater (\$27,125- of which is 33% funded by UNH) will fund this purchase.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

Minimal impact for the first three years due to warranty.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.							108,500					108,500
TOTAL	0	0	0	0	0	0	108,500	0	0	0	0	108,500
FUNDING:												
Operating - Gen							54,250					54,250
Operating - Water							27,125					27,125
Operation - WW							9,042					9,042
Bond												0
State/Federal												0
UNH							18,083					18,083
Trade In												0
Other												0
TOTAL	0	0	0	0	0	0	108,500	0	0	0	0	108,500



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	1-Ton Utility Truck Replacement	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Public Works	N/A	Mandated										
Division	Water		Council Goal										
Location	Stone Quarry Drive		Dept. Goal										X

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Replace the Water Division's 2012 Ford 1-ton utility truck.

RATIONALE: (Cost/Benefit Analysis)

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.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

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.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.											40,000	40,000
TOTAL	0	0	0	0	0	0	0	0	0	0	0	40,000
FUNDING:												
Operating Rev.												0
Capital Reserve												0
Bond											40,000	40,000
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	40,000



Sewer Fund Proposed Bond Schedule

PROJECT NAME	PROJECT YEAR	BOND LENGTH	TOTAL AMOUNT BONDED/LEASED	ESTIMATED INTEREST COSTS	TOTAL ESTIMATED COST	2013 PRINCIPAL	2013 INTEREST	2014 PRINCIPAL	2014 INTEREST	2015 PRINCIPAL	2015 INTEREST	2016 PRINCIPAL	2016 INTEREST	2017 PRINCIPAL	2017 INTEREST	2018 PRINCIPAL	2018 INTEREST	2019 PRINCIPAL	2019 INTEREST	2020 PRINCIPAL	2020 INTEREST	2021 PRINCIPAL	2021 INTEREST	2022 PRINCIPAL	2022 INTEREST
Old Concord Road Pump Station	2011	20	\$750,000	\$261,789	\$1,011,789			\$40,000	\$27,351	\$40,000	\$24,211	\$40,000	\$22,847	\$40,000	\$21,483	\$40,000	\$20,119	\$40,000	\$18,755	\$40,000	\$17,391	\$40,000	\$16,027	\$40,000	\$14,663
WWTP Phase III Upgrades	2012	20	\$900,000	\$404,494	\$1,304,494			\$45,000	\$41,119	\$45,000	\$36,338	\$45,000	\$34,425	\$45,000	\$32,513	\$45,000	\$30,600	\$45,000	\$28,688	\$45,000	\$26,775	\$45,000	\$24,863	\$45,000	\$22,950
Sludge Dewatering Equipment	2013	20	\$2,500,000	\$1,123,594	\$3,623,594			\$125,000	\$114,219	\$125,000	\$100,938	\$125,000	\$85,625	\$125,000	\$90,313	\$125,000	\$85,000	\$125,000	\$79,688	\$125,000	\$74,375	\$125,000	\$69,063	\$125,000	\$63,750
Collection System Upgrades	2014	10	\$150,000	\$29,269	\$179,269					\$15,000	\$5,644	\$15,000	\$4,725	\$15,000	\$4,200	\$15,000	\$3,675	\$15,000	\$3,150	\$15,000	\$2,625	\$15,000	\$2,100	\$15,000	\$1,575
18" Force Main Replacement	2014	10	\$80,000	\$13,510	\$93,510					\$10,000	\$3,010	\$10,000	\$2,450	\$10,000	\$2,100	\$10,000	\$1,750	\$10,000	\$1,400	\$10,000	\$1,050	\$10,000	\$700	\$10,000	\$525
Diesel Generator Replacement	2014	10	\$125,000	\$22,203	\$147,203					\$15,000	\$4,703	\$15,000	\$3,850	\$15,000	\$3,325	\$15,000	\$2,800	\$15,000	\$2,275	\$10,000	\$1,750	\$10,000	\$1,400	\$10,000	\$100
WWTP Phase III	2015	10	\$680,000	\$130,585	\$810,585							\$70,000	\$25,585	\$70,000	\$21,350	\$70,000	\$18,900	\$70,000	\$16,450	\$70,000	\$14,000	\$70,000	\$11,550	\$65,000	\$9,100
Collection System Upgrade	2015	10	\$520,000	\$99,365	\$619,365							\$55,000	\$19,565	\$55,000	\$16,275	\$55,000	\$14,350	\$55,000	\$12,425	\$55,000	\$10,500	\$55,000	\$8,750	\$50,000	\$7,000
Major Components Replacement	2015	10	\$190,000	\$35,674	\$225,674							\$20,000	\$7,149	\$20,000	\$5,950	\$20,000	\$5,250	\$20,000	\$4,550	\$20,000	\$3,850	\$20,000	\$3,150	\$20,000	\$2,450
Major Components Replacement	2016	10	\$190,000	\$35,674	\$225,674									\$20,000	\$7,149	\$20,000	\$5,950	\$20,000	\$5,250	\$20,000	\$4,550	\$20,000	\$3,850	\$2,000	\$3,150
WWTP Phase III	2017	20	\$7,980,000	\$3,579,711	\$11,559,711											\$400,000	\$364,586	\$400,000	\$322,150	\$400,000	\$305,150	\$400,000	\$288,150	\$400,000	\$271,150
Major Components Replacement	2017	20	\$1,035,000	\$455,499	\$1,490,499											\$55,000	\$47,287	\$55,000	\$41,650	\$55,000	\$39,313	\$55,000	\$36,975	\$55,000	\$34,638
18" Force Main Replacement	2018	10	\$220,000	\$40,828	\$260,828													\$25,000	\$8,278	\$25,000	\$6,825	\$25,000	\$5,950	\$25,000	\$5,075
Major Components Replacement	2018	20	\$1,030,000	\$453,996	\$1,483,996													\$55,000	\$47,058	\$55,000	\$41,438	\$55,000	\$39,100	\$55,000	\$36,763
18" Force Main Replacement	2019	20	\$2,200,000	\$988,763	\$3,188,763															\$110,000	\$100,513	\$110,000	\$88,825	\$110,000	\$84,150
Major Components Replacement	2019	20	\$1,000,000	\$449,438	\$1,449,438															\$50,000	\$45,688	\$50,000	\$40,375	\$50,000	\$38,250
Major Components Replacement	2020	10	\$280,000	\$52,535	\$332,535																	\$30,000	\$10,535	\$30,000	\$8,750
Major Components Replacement	2021	20	\$1,530,000	\$678,714	\$2,208,714																			\$80,000	\$69,902
OUTSTANDING BONDS/LEASES/SRF LOANS																									
2002 Bond	2002	20	\$350,075			\$13,335	\$3,564	\$13,335	\$3,030	\$12,428	\$2,497	\$12,428	\$1,985	\$10,889	\$1,456	\$10,889	\$980	\$10,889	\$490						
2006 Bond	2006	20	\$325,469			\$14,276	\$8,534	\$15,060	\$7,985	\$15,060	\$7,400	\$15,060	\$6,815	\$15,401	\$6,213	\$15,401	\$5,597	\$15,401	\$4,981	\$15,401	\$4,365	\$15,401	\$3,749	\$15,662	\$3,132
2008 Bond	2007-2008	20	\$1,663,860			\$91,500	\$54,864	\$91,500	\$51,662	\$91,500	\$48,459	\$94,520	\$45,028	\$94,520	\$40,302	\$94,520	\$36,521	\$73,600	\$31,795	\$73,600	\$28,778	\$73,600	\$25,723	\$73,600	\$22,632
2010 Bond	2008-2010	20	\$756,000			\$45,000	\$27,413	\$40,000	\$26,063	\$40,000	\$24,463	\$40,000	\$23,263	\$40,000	\$22,063	\$40,000	\$20,863	\$40,000	\$18,863	\$40,000	\$16,863	\$35,000	\$14,863	\$35,000	\$13,113
ARRA Loan	2009	20	\$2,676,640			\$70,000	\$39,421	\$70,000	\$37,248	\$70,000	\$35,075	\$70,000	\$32,902	\$70,000	\$30,730	\$70,000	\$28,557	\$70,000	\$26,384	\$65,000	\$24,211	\$65,000	\$22,194	\$65,000	\$20,176
SRF Loan	2004	20	\$3,280,757			\$152,491	\$83,006	\$158,115	\$77,383	\$163,946	\$71,561	\$169,893	\$65,505	\$176,262	\$59,236	\$182,762	\$52,735	\$189,503	\$45,995	\$196,492	\$39,006	\$203,738	\$31,759	\$211,252	\$24,246
TOTALS			\$30,422,801			\$386,602	\$216,802	\$598,010	\$388,060	\$642,934	\$364,288	\$797,001	\$391,719	\$822,072	\$394,657	\$1,283,572	\$744,720	\$1,349,383	\$720,274	\$1,495,493	\$909,014	\$1,522,739	\$749,650	\$1,582,514	\$757,239
						TOTAL 2013		TOTAL 2014		TOTAL 2015		TOTAL 2016		TOTAL 2017		TOTAL 2018		TOTAL 2018		TOTAL 2018		TOTAL 2018		TOTAL 2018	
						\$603,404		\$984,070		\$1,007,222		\$1,188,720		\$1,186,729		\$2,028,292		\$2,069,667		\$2,304,507		\$2,272,389		\$2,339,753	

APPROVED 2013-2022 CAPITAL IMPROVEMENTS PROGRAM

Description	Rank	2013	Rank	2014	Rank	2015	Rank	2016	Rank	2017	Rank	2018	Rank	2019	Rank	2020	Rank	2021	Rank	2022
Wastewater Fund																				
Sludge Dewatering Equipment Replacement	1	2,500,000																		
Commercial Lawnmower Replacement	2	10,500																		
Major Components Replacement	3	7,500	2	10,000	3	190,000	1	190,000	2	1,035,000	1	1,030,000	1	1,000,000	1	280,000	1	1,530,000	1	1,535,000
Diesel Generator Replacement			1	125,000																
Collection System Upgrades			3	150,000	2	520,000														
18" Force Main Replacement			4	80,000							4	220,000	3	2,200,000						
WWTP Phase III					1	680,000			1	7,980,000										
Backhoe Replacement (Cost split w/Oper. & Water)											2	27,125								
3/4 Ton Pickup Truck Replacement											3	31,900	2	32,900						
TOTAL WASTEWATER FUND		\$2,518,000		\$365,000		\$1,390,000		\$190,000		\$9,015,000		\$1,309,025		\$3,232,900		\$280,000		\$1,530,000		\$1,535,000

TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Sludge Dewatering Equipment	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Public Works	N/A	Mandated	X									
Division	Wastewater		Council Goal	X									
Location	Wastewater Treatment Plant		Dept. Goal	X									

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

The existing 25 year old Sludge Dewatering Equipment is in need of replacement, specifically the filter belt press and gravity belt thickener.

RATIONALE: (Cost/Benefit Analysis)

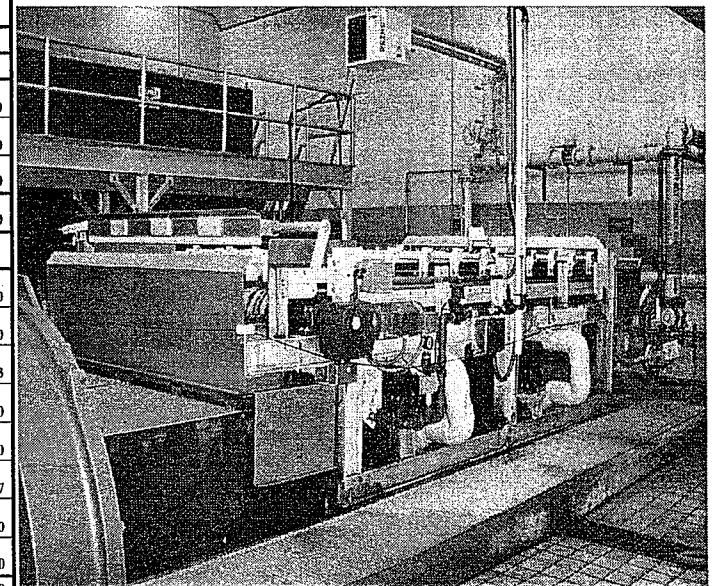
This specialized equipment removes the wastewater from the solids and allows for the thickening of the solids to a sludge material, enabling it to be transported offsite. Pending the recommendation of the upcoming Wastewater Facilities Plan this piece of equipment should decrease the liquid content of the sludge and, therefore, should result in a 10% decrease to the sludge disposal cost which is determined by the weight of the material.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

Reduction of future maintenance costs. New equipment should decrease our sludge disposal costs by approximately \$15,000 per year and \$150,000 over the next 10 years.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.		2,500,000										2,500,000
TOTAL		2,500,000	0	0	0	0	0	0	0	0	0	2,500,000
FUNDING:												
Operating Rev.												0
Capital Reserve												0
Bond		833,333										833,333
Federal												0
State												0
UNH		1,666,667										1,666,667
Trade In												0
Other												0
TOTAL		2,500,000	0	0	0	0	0	0	0	0	0	2,500,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Commercial Lawnmower	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Public Works	N/A	Mandated	X									
Division	Wastewater		Council Goal										
Location	Wastewater Treatment Plant		Dept. Goal										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Replacement of the 2005 zero turning radius commercial lawn mower needed to maintain the five acre Wastewater Treatment site.

RATIONALE: (Cost/Benefit Analysis)

The current mower will be 8 years old in 2013 and due to wear and tear, and reduced performance, needs to be replaced.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

Minor routine maintenance.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.		10,500										10,500
TOTAL		10,500										10,500
FUNDING:												
Operating Rev.		3,500										3,500
Capital Reserve												0
Bond												0
Federal												0
State												0
UNH		7,000										7,000
Trade In												0
Other												0
TOTAL		10,500										10,500



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Major Components	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Public Works	Chapter 7 7.40	Mandated	X	X	X	X	X	X	X	X	X	X
Division	Wastewater		Council Goal										
Location	Wastewater Treatment Plant		Dept. Goal										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Major Components are typically mechanical, laboratory or processing equipment replacements/upgrades necessary to continue running the WWTP efficiently. The mechanical equipment within the wastewater division is used 24 hours a day - 7 days a week. The components listed below are all between 18 and 30 years old.

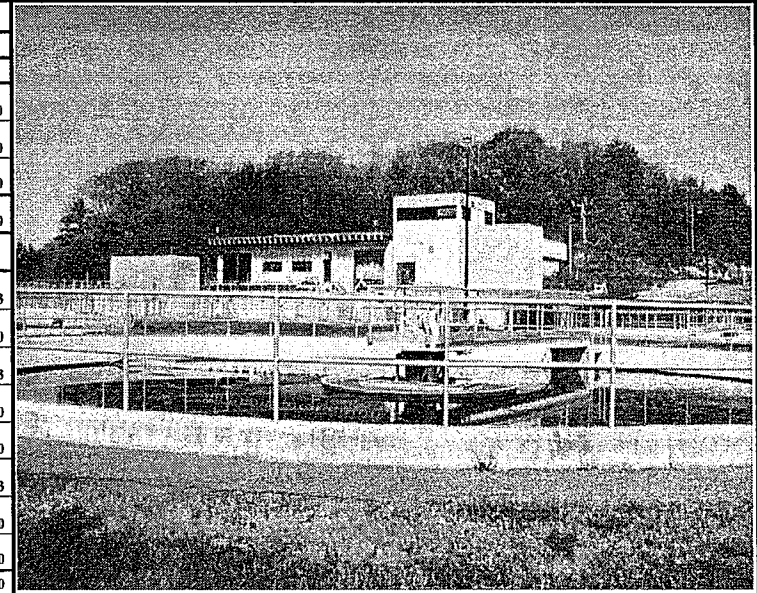
RATIONALE: (Cost/Benefit Analysis)

2013- Replace Sodium Bisulfate tank. \$7,500. 2014- Replace (2) Sodium Hypochlorite tanks. @ 5,000 each - \$10,000. 2015- Replace diffusers in aeration tanks, upgrade control building ventilation, and add AC and heat pumps in electrical room. 2016- Replace 3 primary and 3 secondary waste/ transfer pumps. 2017 - Replace aerated grit blowers and replace/upgrade internals in grit system, and upgrade windows and other control building deficiencies. 2018 - Replace/upgrade solids handling and Effluent disinfection components. 2019-2022 remaining items identified in the 2012 Wastewater Facilities Plan

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

These replacements and upgrades are necessary due to age, wear and tear. Little to no change to the operating budget if replaced on schedule.

FINANCIAL PLAN												
	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.		7,500	10,000	190,000	190,000	1,035,000	1,030,000	1,000,000	280,000	1,530,000	1,535,000	6,807,500
TOTAL	0	7,500	10,000	190,000	190,000	1,035,000	1,030,000	1,000,000	280,000	1,530,000	1,535,000	6,807,500
FUNDING:												
Operating Rev.		2,500	3,333									5,833
Capital Reserve												0
Bond				63,333	63,333	345,000	343,333	333,333	93,333	510,000	511,667	2,263,333
Federal												0
State												0
UNH		5,000	6,667	126,667	126,667	690,000	686,667	666,667	186,667	1,020,000	1,023,333	4,538,333
Trade In												0
Other												0
TOTAL	0	7,500	10,000	190,000	190,000	1,035,000	1,030,000	1,000,000	280,000	1,530,000	1,535,000	6,807,500



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Diesel Generator Replacement	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Public Works	N/A	Mandated		X								
Division	Wastewater		Council Goal										
Location	Wastewater Treatment Plant		Dept. Goal	X									

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Replacement of Wastewater diesel generator.

RATIONALE: (Cost/Benefit Analysis)

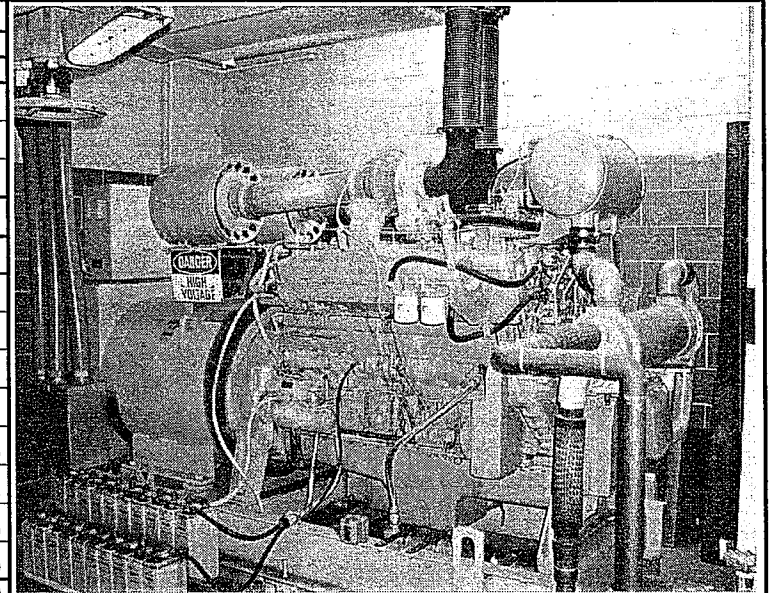
Emergency generator to run the Wastewater Treatment Plant in a power failure. Current unit is a 1995 model and has a 15 year life expectancy. It is expected the replacement will last at least 18 years.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

No future impact on maintenance costs.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.			125,000									125,000
TOTAL	0	0	125,000	0	0	0	0	0	0	0	0	125,000
FUNDING:												
Operating Rev.												0
Capital Reserve												0
Bond			41,666									41,666
Federal												0
State												0
UNH			83,334									83,334
Trade In												0
Other												0
TOTAL	0	0	125,000	0	0	0	0	0	0	0	0	125,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Collection System Upgrades	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Public Works	Chapter 7 7.42	Mandated		X	X							
Division	Wastewater		Council Goal										
Location	Various		Dept. Goal										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Repairs will be made to the 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 storm water into the wastewater collection system.

RATIONALE: (Cost/Benefit Analysis)

2014 - Woodside/Briarwood/Bagdad Investigation. Engineering investigation and design to address sewer issues associated with a major portion of the original 1930's sewer system that runs between Woodside and Bagdad Roads and the Pettee Brook Interceptor. These are all cross-country sewers in a wet and wooded area with difficult access. \$150,000.

2015- Rehab/upgrade problem portions of the original 1930's sewer system between Woodside and Bagdad Roads and the Pettee Brook Interceptor \$520,000.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

The amount of staff time spent on collection system maintenance will decrease as these problem areas are corrected.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design			150,000									150,000
Purch/Const.				520,000								520,000
TOTAL			150,000	520,000								670,000
FUNDING:												
Operating Rev.												0
Capital Reserve												0
Bond			150,000	520,000								670,000
Federal												0
State												0
UNH												0
Trade In												0
Other												0
TOTAL			150,000	520,000								670,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

		MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Project Name	18" Force Main Replacement	N/A	Mandated	X									
Department	Public Works		Council Goal		X				X	X			
Division	Wastewater		Dept. Goal	X									
Location	Wastewater Treatment Plant												

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

This 18-inch diameter wastewater force main pipe carries all of the Town's wastewater (up to 2.4 million gallons per day) under pressure from the Dover Road Wastewater Pump Station to Durham's Wastewater Treatment Plant. This pipe was constructed of asbestos cement in the mid-1960s and is approaching the end of its useful life. It is anticipated that the pipe will be replaced along a similar alignment using modern methods and materials that are longer lasting and more energy efficient.

RATIONALE: (Cost/Benefit Analysis)

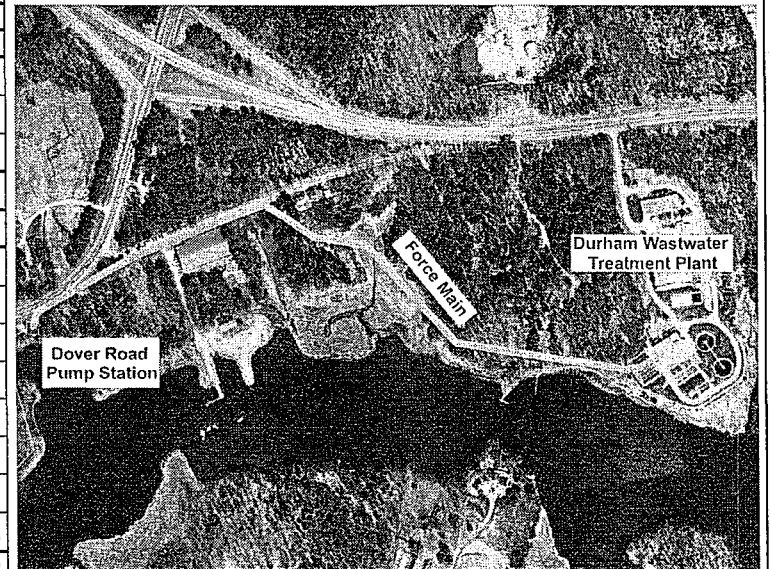
An investigation of the pipe in 2008 revealed signs of diminished pipe capacity. Asbestos cement piping is no longer used in the industry because of its tendency to deteriorate over time, which is particularly a problem with piping that is under pressure. Asbestos pipe is not smooth and creates friction which over time makes the pumping of wastewater more difficult.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

Along with the recent upgrades to the Dover Road Pumping Station, this will allow us to be more energy efficient with wastewater operations.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design			80,000				220,000					300,000
Purch/Const.								2,200,000				2,200,000
TOTAL	0	0	80,000	0	0	0	220,000	2,200,000	0	0	0	2,500,000
FUNDING:												
Operating Rev.			26,667									26,667
Capital Reserve												0
Bond							73,333	733,333				806,667
Federal												0
State												0
UNH			53,333				146,667	1,466,667				1,666,667
Trade In												0
Other												0
TOTAL	0	0	80,000	0	0	0	220,000	2,200,000	0	0	0	2,500,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

		MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Project Name	WWTP-Phase III												
Department	Public Works												
Division	Wastewater					X		X					
Location	Wastewater Treatment Plant												

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

This project consists of two phases. Phase I of this project is engineering the design and treatment modifications, including a pilot test of a 4 stage nutrient removal configuration, to regain plant capacity lost during the initial nutrient process reconfiguration from 2006, and meet the new standards of our National Pollution Discharge Elimination System (NPDES). Phase II is the implementation of the upgrades/modifications from Phase I to again meet the standards set by NPDES. Although it is possible that the strict limit may be issued as part of our NPDES permit, the Town has been in discussions with EPA regarding a new and innovative 'integrated' wastewater and stormwater permitting approach. As part of this approach, we hope to have an effective NPDES limit at the WWTF of <5 mg/l with the difference being made up by Nitrogen removal via non-point source means. While the permitting process develops, and to confirm our WWTP's ability to reach levels <5 mg/l over the seasons and see how low we can go, the pilot project is planned for 2013-2014 using FY12 funding. The NPDES discharge permit is a federal permit allowing Durham's Wastewater Treatment Facility to safely discharge effluent

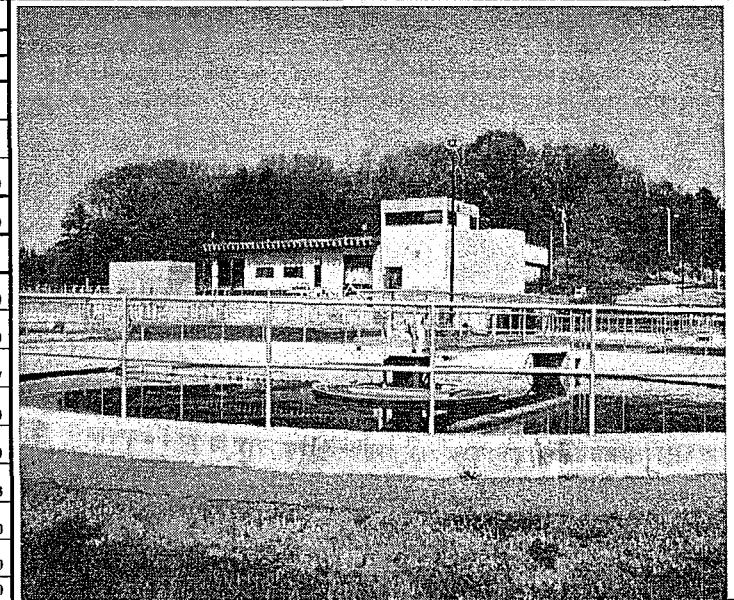
RATIONALE: (Cost/Benefit Analysis)

NPDES Permit renewal was due in January 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 National Pollution Discharge Elimination System (NPDES) Permit. Stricter limits on Copper, Zinc, Nitrogen and Ammonia are expected. The recent Draft Wastewater Facilities Plan update prepared by Wright-Pierce recommends upgraded the Treatment Plan to an enhanced biological nutrient removal process and carry out a pilot test to evaluate the best treatment options. The design of the Phase III Nutrient upgrades in 2015 and construction is anticipated to begin in 2017.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

Funding will come from bonding and possible assistance by the State Revolving Loan Fund offered by the State of New Hampshire.

FINANCIAL PLAN												
	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design				680,000								680,000
Purch/Const.	1,500,000					7,980,000						7,980,000
TOTAL	1,500,000			680,000	0	7,980,000	0	0	0	0	0	8,660,000
FUNDING:												
Operating Rev.												0
Capital Reserve												0
Bond	500,000			226,667		2,660,000	0					2,886,667
Federal												0
State												0
UNH	1,000,000			453,333		5,320,000	0					5,773,333
Trade In												0
Other												0
TOTAL	1,500,000	0	0	680,000	0	7,980,000	0	0	0	0	0	8,660,000



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

		MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Project Name	Backhoe Replacement												
Department	Public Works		Mandated										
Division	Operations, Water, WW		Council Goal						X				
Location	Various		Dept. Goal	X									

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

Replace the 2006 JCB 4 Wheel Drive Backhoe.

RATIONALE: (Cost/Benefit Analysis)

This piece of equipment is scheduled for replacment in 2018. The 2006 JCB is on a 12 year replacment schedule. The machine is an essential piece of equipment for all Public Works Divisions and programs and is used year round. FUNDING: 50% Operations (\$54,250), 25% Water (\$27,125), 25% Wastewater (\$27,125- of which is 33% funded by UNH) will fund this purchase.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

Minimal impact for the first three years due to warranty.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.							108,500					108,500
TOTAL	0	0	0	0	0	0	108,500	0	0	0	0	108,500
FUNDING:												
Operating - Gen							54,250					54,250
Operating - Water							27,125					27,125
Operation - WW							9,042					9,042
Bond												0
State/Federal												0
UNH							18,083					18,083
Trade In												0
Other												0
TOTAL	0	0	0	0	0	0	108,500	0	0	0	0	108,500



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	3/4 Ton Pick-up Replacement	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Public Works	N/A	Mandated										
Division	Wastewater		Council Goal						X	X			
Location	Wastewater Treatment Plant		Dept. Goal										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

The Wastewater Treatment Plant motor pool consists of two ¾ Ton pickup trucks. The truck fleet is on a 10 -12 year replacement plan. According to this plan the 2007 ¾ Ton Pick-up Truck will be replaced in 2018 and the 2008 ¾ Ton Pick-up truck in 2019.

RATIONALE: (Cost/Benefit Analysis)

The Wastewater Division has 2 Pick-up trucks which are utilized by 5 employees. This Division is responsible for the maintenance of the Treatment Plant, Wastewater Collection System and five Pump Stations.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

No impact to other Departments, normal future maintenance costs (i.e. tires, battery, oil, filters). This division has downsized these vehicles over the past 10 years.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.							31,900	32,900				64,800
TOTAL	0	0	0	0	0	0	31,900	32,900	0	0	0	64,800
FUNDING:												
Operating Rev.							10,633	10,967				21,600
Capital Reserve												0
Bond												0
Federal												0
State												0
UNH							21,267	21,933				43,200
Trade In												0
Other												0
TOTAL							31,900	32,900				64,800



APPROVED 2013-2022 CAPITAL IMPROVEMENTS PROGRAM

Description	Rank	2013	Rank	2014	Rank	2015	Rank	2016	Rank	2017	Rank	2018	Rank	2019	Rank	2020	Rank	2021	Rank	2022
STONE QUARRY DRIVE TIF DISTRICT																				
Phase III - Infrastructure Improvements (Trail to Durham Business Park)																			1	79,030
TOTAL SQD TIF DISTRICT		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$79,030
DOWNTOWN TIF DISTRICT																				
Implementation of Improvements			1	75,000	1	118,080			1	77,297			1	651,871						
TOTAL DT TIF DISTRICT		\$0		\$75,000		\$118,080		\$0		\$77,297		\$0		\$651,871		\$0		\$0		\$0

TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

		MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Project Name	Stone Quarry Drive TIF Phase III												
Department	Public Works		Mandated										
Division	Operations		Council Goal										
Location	Old Piscataqua Rd/ Route 4		Dept. Goal										X

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

The third phase of the creation of the Stone Quarry Drive Mixed Use Tax Increment Finance (TIF) District includes 1500 foot multi purpose trail from Jackson's Landing to the Durham Business Park.

RATIONALE: (Cost/Benefit Analysis)

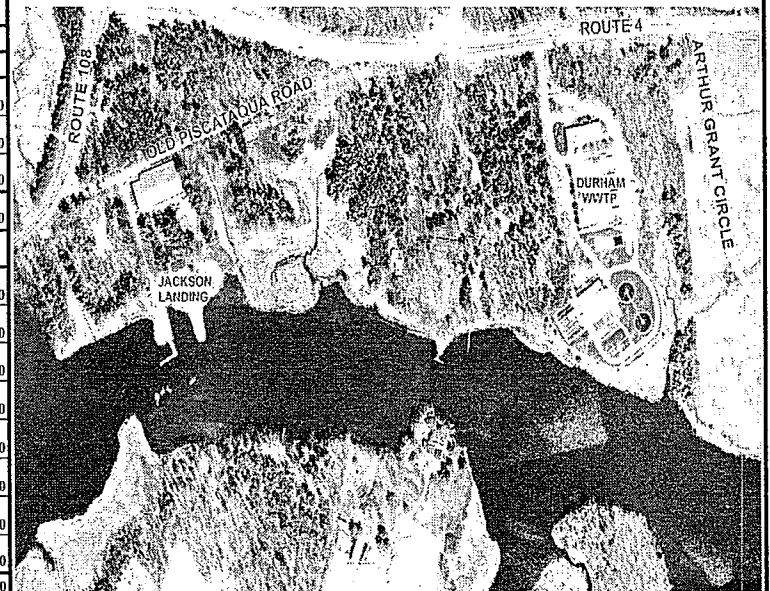
The Town rationale for recreation parking and trails is to balance the TIF district with both infrastructure and recreational improvements. The trail will allow for safer travel between the two locations.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

Minor impact to the Public Works budget and staff due to summer and winter maintenance.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design												0
Purch/Const.											79,030	79,030
TOTAL	0	0	0	0	0	0	0	0	0	0	79,030	79,030
FUNDING:												
Operating Rev.												0
Capital Reserve												0
Bond												0
Federal												0
State												0
UNH												0
Trade In												0
Other											79,030	79,030
TOTAL	0	0	0	0	0	0	0	0	0	0	79,030	79,030



TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Downtown TIF District	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Administration		Mandated										
Division	Administration		Council Goal		X	X		X		X			
Location	Downtown		Dept. Goal										

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

The Downtown TIF District currently anticipates three projects: 1) Pettee Brook Lane Improvements, 2) Parking Kiosks, and 3) Planning, engineering and implementation of a two way traffic pattern. The first two projects were included in previous CIPs, and are now included in the Downtown TIF because they are consistent with TIF objectives and the overall cost will be reduced as a result of the TIF funding formulas.

RATIONALE: (Cost/Benefit Analysis)

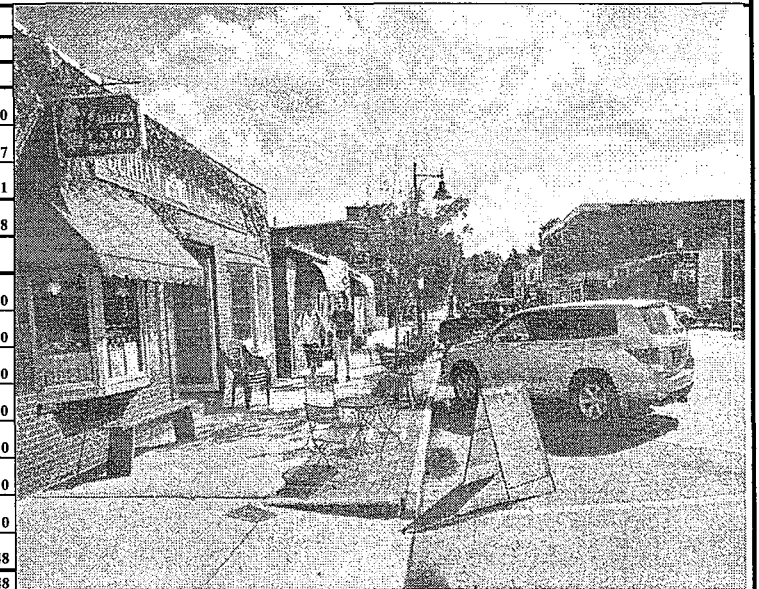
Additional detail is available in the Downtown Tax Increment Finance District Plan

- 1) Pettee Brook Lane Improvements - Bring roadway into conformance with 1999 Mainstreet Enhancement and Improve safety,
- 2) Parking Kiosks - Increase payment options and increase parking management options. Resolve parts availability and maintenance issues with existing parking meters. Improves downtown appearance.
- 3) Two way traffic pattern - Reconfiguration of traffic pattern that is consistent with the Commercial Core Strategic Plan (B. Dennis Report) to create a traffic calming, increased pedestrian safety and an environment conducive to increased retail and business activity.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

- 1) Pettee Brook Lane Improvements - Negligible Impact
- 2) Parking Kiosks -Negligible Impact. Cost for data connectivity and maintenance anticipated to exist in Parking Capital Reserve Fund
- 3) Two Way Traffic pattern - Maintenance and Electricity for traffic control systems (01-4312-826-15: \$2,500 01-4312-826: \$3,000)

FINANCIAL PLAN												
	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design						77,297						77,297
Purch/Const.			75,000	118,080				651,871				844,951
TOTAL	0	0	75,000	118,080	0	77,297	0	651,871	0	0	0	922,248
FUNDING:												
Operating Rev.												0
Capital Reserve												0
Bond												0
Federal												0
State												0
UNH												0
Trade In												0
Other			75,000	118,080	0	77,297		651,871				922,248
TOTAL	0	0	75,000	118,080	0	77,297	0	651,871	0	0	0	922,248



APPROVED 2013-2022 CAPITAL IMPROVEMENTS PROGRAM

Description	Rank	2013	Rank	2014	Rank	2015	Rank	2016	Rank	2017	Rank	2018	Rank	2019	Rank	2020	Rank	2021	Rank	2022
CHURCHILL RINK																				
Renovations			1	565,000																
TOTAL CHURCHILL RINK		\$0		\$565,000		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0

TOWN OF DURHAM, NEW HAMPSHIRE

2013 - 2022 CIP Project Description

Project Name	Churchill Rink Renovations	MASTER PLAN INFORMATION	PROJECT NEED	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Department	Public Works	N/A	Mandated										
Division	Churchill Rink		Council Goal		X								
Location	Jacksons Landing		Dept. Goal	X									

PROJECT DESCRIPTION, RATIONALE & OPERATING BUDGET IMPACT

DESCRIPTION:

In 1973, a group of volunteers led by Dr. Bob Bath and Bill Davidson created a public skating rink at the current Jacksons Landing recreational area. The rink quickly became popular and eventually became managed by the DPW. The original rink was a gravel pad with wooden sideboards. Over time the rink has been developed into a significant facility but still lacks the amenities it needs to stay competitive in today's market. This CIP project will meet the needs of the people who currently use the rink by creating warm elevated seating options and improved locker room and bathroom facilities. The project will construct a 20 ft addition to the west end gable side of the existing rink. We will install 80-100 portable bleacher style seats, which are able to be closed and moved during the off season which will allow the area to be used as a multi-purpose recreational facility. This project will add much needed locker room & restroom facilities which are needed to compliment the currently deficient facilities.

RATIONALE: (Cost/Benefit Analysis)

With this addition the DPW sees great potential for the Jacksons Landing location and would like to see the entire area developed and utilized for new recreational possibilities.

OPERATING BUDGET IMPACT: (Include how this may impact other Departments and expected future maintenance costs)

The Churchill Rink's annual operating budget which is part of the DPW's budget is \$156,214 with annual revenues average \$196, 214 per year. Currently the Churchill Rink has \$154,000 in its fund balance. The 2 phase renovation is estimated at \$565,000 and a sub-committee of the Parks & Recreation Committee is currently working on a fundraising campaign.

FINANCIAL PLAN

	PRIOR	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	TOTAL
EXPENDITURES:												
Pre-Design												0
Design			65,000									65,000
Purch/Const.			500,000									500,000
TOTAL	0	0	565,000	0	0	0	0	0	0	0	0	565,000
FUNDING:												
Operating Rev.												0
Fund Balance			100,000									100,000
Bond			365,000									365,000
Federal												0
State												0
UNH												0
Trade In												
Other			100,000									100,000
TOTAL	0	0	565,000	0	0	0	0	0	0	0	0	565,000

