TOWN COUNCIL – AGENDA REQUEST FORM

THIS FORM WILL BECOME PART OF THE BACKGROUND INFORMATION USED BY THE COUNCIL AND PUBLIC

Please submit Agenda Request Form, **including back up information**, 8 days prior to the requested meeting date. **Public Hearing requests must be submitted 20 days prior to requested meeting date to meet publication deadlines** (exceptions may be authorized by the Town Manager, Chairman/Vice Chair).

MEETING INFORMATION

Date Submitted: November 24, 2014
Submitted by: Town Manager Eileen Cabanel and Finance Director Paul T. Micali
Department:
Speakers:

Date of Meeting: December 4, 2014
Time Required: 30 minutes
Background Info. Supplied: Yes: _☒_ No: _☐_

CATEGORY OF BUSINESS (PLEASE PLACE AN "X" IN THE APPROPRIATE BOX)

Appointment:	☐	Recognition/Resignation/ Retirement:	☐
Public Hearing:	☐	Old Business:	☐
New Business:	☒	Consent Agenda:	☐
Nonpublic:	☐	Other:	☐

TITLE OF ITEM

Review of Proposed Capital Improvement Plan

DESCRIPTION OF ITEM

The Town Manager and Finance Director will review the CIP that will be presented to the Planning Board on December 16, 2014, pursuant to Charter Article 8-9.

REFERENCE (IF KNOWN)

RSA:		Warrant Article:	
Charter Article:	8-9	Town Meeting:	
Other:		N/A	

EQUIPMENT REQUIRED (PLEASE PLACE AN "X" IN THE APPROPRIATE BOX)

Projector:	☐	Grant Requirements:	☐
Easel:	☐	Joint Meeting:	☐
Special Seating:	☐	Other:	☐
Laptop:	☐	None:	☐

CONTACT INFORMATION

Name:	**Eileen Cabanel**	Address	**6 Baboosic Lake Road**
Phone Number	**424-2331**	Email Address	ecabanel@merrimacknh.gov

APPROVAL

Town Manager: Yes _☒_ No: _☐_ Chair/Vice Chair: Yes _☐_ No: _☐_

07/06

Schedule 1

Capital Improvements Program

PROJECTED MUNICIPAL PROPERTY TAX IMPACT

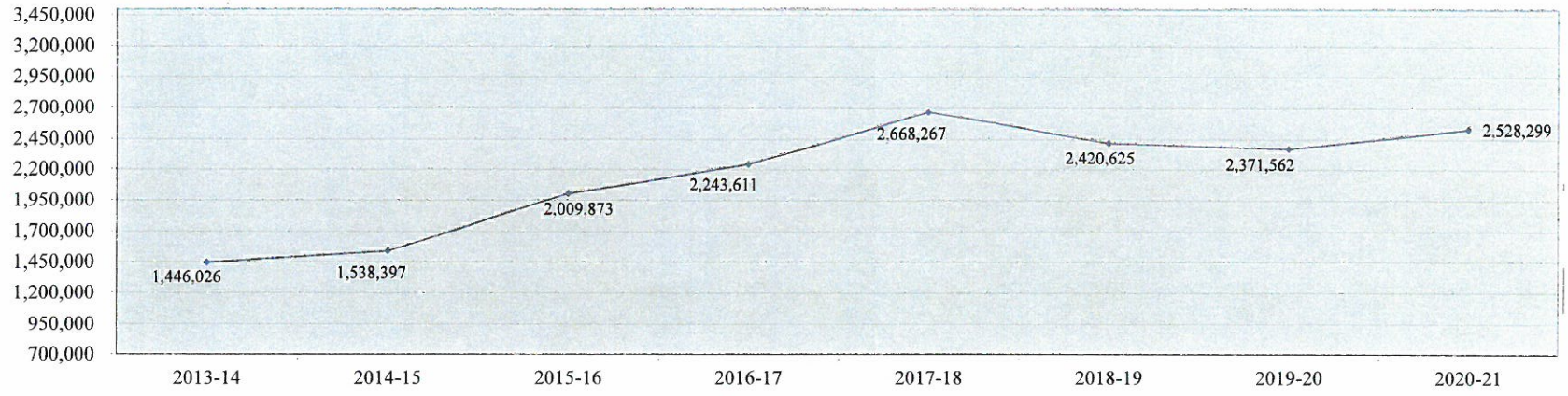
Capital Expenditures	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Debt service on outstanding bonds	472,026	461,397	449,873	435,466	426,650	155,525	154,150	157,575
Transfer to capital reserve funds	974,000	1,077,000	1,560,000	1,740,000	1,895,000	1,761,000	1,725,000	1,725,000
Issuance of New Debt (see below)	-	-	-	68,145	346,617	504,100	492,412	645,724
Total property tax financing of capital expenditures	1,446,026	1,538,397	2,009,873	2,243,611	2,668,267	2,420,625	2,371,562	2,528,299

CIP Major Projects Issuance of New Debt	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
South Fire Station (20 Yr)	-	-	-	-	48,734	213,031	208,158	203,285
Highway Garage - Replacement (20 Yr)	-	-	-	68,145	297,883	291,069	284,254	277,439
Library (30 Yr)	-	-	-	-	-	-	-	165,000
Total property tax financing of CIP major projects	-	-	-	68,145	346,617	504,100	492,412	645,724

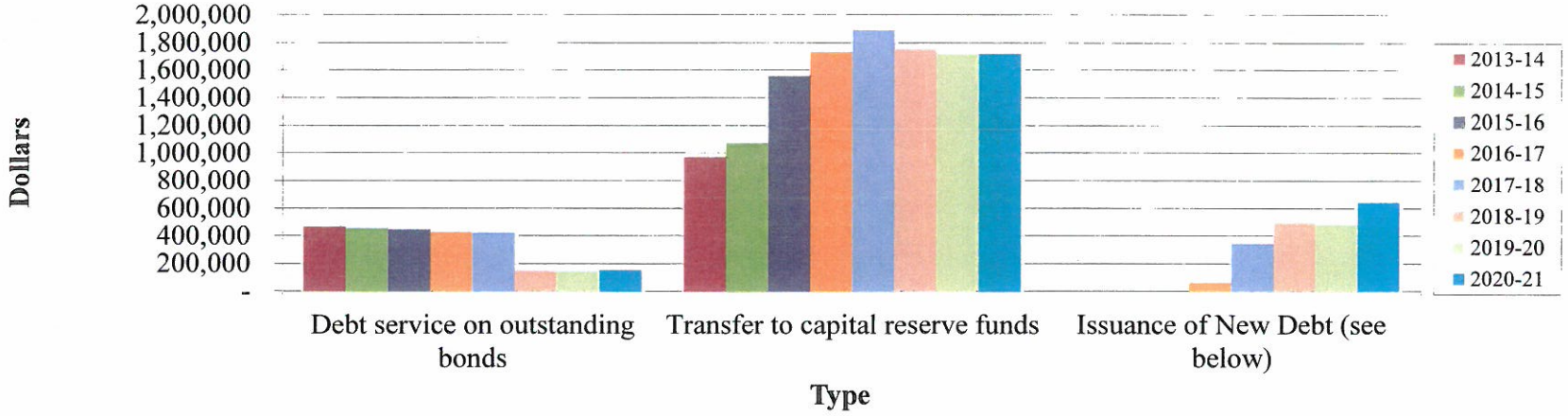
Capital Reserve Funding

	Historic Funding						Projected Funding				
Capital Reserve Fund	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Ambulance	50,000	50,000	50,000	12,000	50,000	60,000	75,000	80,000	80,000	80,000	80,000
Athletic Field Development	-	-	-	-	-	-	-	-	-	-	-
Communications Equipment	-	-	10,000	10,000	25,000	200,000	185,000	185,000	25,000	25,000	25,000
Computer Equipment	5,000	-	35,000	35,000	35,000	35,000	75,000	75,000	75,000	50,000	50,000
DW Highway Intersection Improvements	-	25,000	25,000	25,000	50,000	50,000	75,000	75,000	75,000	75,000	75,000
Fire Equipment	100,000	100,000	100,000	100,000	75,000	125,000	175,000	250,000	251,000	250,000	250,000
Highway Equipment	168,000	176,960	250,000	300,000	300,000	300,000	300,000	350,000	400,000	400,000	400,000
Land Bank	-	-	-	-	-	-	-	-	-	-	-
Landfill	-	-	-	-	-	-	-	-	-	-	-
Library Bld Maintenance	2,000	2,000	2,000	2,000	17,000	10,000	45,000	45,000	45,000	50,000	50,000
Playground Equipment	-	-	-	-	-	-	-	-	-	-	-
Real Estate Reappraisal	-	-	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
Salt Shed	-	-	-	-	-	-	-	-	-	-	-
Sewer Line Extension	-	-	-	-	-	-	-	-	-	-	-
Road Infrastructure CRF	-	185,000	400,000	400,000	400,000	600,000	600,000	600,000	600,000	600,000	600,000
Solid Waste Disposal	40,000	-	50,000	75,000	75,000	75,000	100,000	125,000	150,000	150,000	150,000
Fire Station	-	-	-	-	-	-	-	-	-	-	-
GIS					10,000	65,000	65,000	65,000	20,000	20,000	20,000
Traffic Signal Pre-emption System	-	-	-	-	-	10,000	20,000	20,000	-	-	-
Capital Reserve Fund Transfers	365,000	538,960	937,000	974,000	1,052,000	1,545,000	1,730,000	1,885,000	1,736,000	1,715,000	1,715,000
Expendable Trust Funds											
Milfoil	-	-	-	-	25,000	15,000	10,000	10,000	25,000	10,000	10,000
Total property tax financing	365,000	538,960	937,000	974,000	1,077,000	1,560,000	1,740,000	1,895,000	1,761,000	1,725,000	1,725,000
Sewer Fund											
Sewer Infrastructure Improvements	350,000	225,000	25,000	25,000	25,000	75,000	75,000	75,000	100,000	100,000	100,000
Total CRF & Expandable Trust Funds	715,000	763,960	962,000	999,000	1,102,000	1,635,000	1,815,000	1,970,000	1,861,000	1,825,000	1,825,000

PROPOSED PROPERTY TAX TO FINANCE CIP (including potential issuance of debt)



Capital Expenditures



Schedule 2

CAPITAL IMPROVEMENTS PROGRAM

MAJOR PROJECTS

No	Department	Project Description		Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	Back-up on pg	Planning Board
1	Fire	South Fire Station ($3,105,000)	R	Fire Station CRF (South)	60,000	-	-	200,000	-	-	-	6	
				Bond	-	-	-	2,195,000	-	-	-		
				Private Donation	-	-	-	650,000	-	-	-		
2	Admin/Engineering	Bridge Replacement - McGaw Bridge Rd. ($1,650,000)	R	Road Infrastructure CRF	330,000	-	-	-	-	-	-	7 - 8	
				State Funding	1,320,000	-	-	-	-	-	-		
3	Admin/Engineering	Bridge Replacement - Bean Road ($1,600,000)	R	Road Infrastructure CRF	-	320,000		-	-	-	-	9 - 10	
				State Funding	-	1,280,000	-	-	-	-	-		
4	Admin/Engineering	Bridge Replacement - Bedford Rd./Baboosic Brook ($2,727,500)	R	Road Infrastructure CRF	-	-	545,500		-	-	-	11 -12	
				State Funding	-	-	2,182,000	-	-	-	-		
5	Admin/Engineering	Bridge Replacement - US 3 (DW Highway)/Baboosic Brook ($2,520,000)	R	Road Infrastructure CRF	-	-	-	-	504,000		-	13 - 14	
				State Funding	-	-	-	-	2,016,000	0	-		
6	Admin/Engineering	Stormwater Drainage Improvements ($100,000/$200,000)	R	Road Infrastructure CRF	100,000	100,000	100,000	100,000	100,000	200,000	200,000	15 -16	
7	Admin/Engineering	Paving - Infrastructure Improvements ($800,00 to $1,000,000)	R	Road Improvement (Registration Fee)	135,000	125,000	125,000	125,000	125,000	125,000	125,000	17 - 18	
				Budget	665,000	675,000	675,000	675,000	675,000	675,000	675,000		
8	Admin/Engineering	Paving - Infrastructure Improvements ($300,000) Gravel Roads	R	Road Infrastructure CRF	-	-	-	-	-	-	300,000	19 - 20	
9	Admin/Engineering	Paving - DW Highway ($400,000)	R	DW Highway CRF	-	400,000	-	-	-	-	-	21 - 22	
				Offset by Developer Fees	-	-	-	-	-	-	-		
10	Admin/Engineering	Paving - Infrastructure Improvements Executive Park Drive ($150,000)	R	Road Infrastructure CRF	-	-	-	-	-	-	150,000	23 - 24	
11	Highway	Highway Garage Renovation & Replacement ($3,300,000)	R	Bond	-	-	3,300,000	-	-	-	-	25 - 26	
12	Admin./Engineering	Wire Road Intersection Improvements ($500,000)	R	Road Infrastructure CRF	-	-	-	-	477,000	-	-	27 - 28	
				Offset by Developer Fees	-	-	-	-	23,000	-	-		
13	Admin./Engineering	Turkey Hill & Baboosic Intersection ($175,000)	R	Road Infrastructure CRF	-	-	-	-	-	175,000	-	29 - 30	
14	Admin/Engineering	Griffin Street Boat Ramp Access Improvement ($67,000)	R	Road Infrastructure CRF	-	-	-	-	-	67,000	-	31 - 32	
15	Admin/Engineering	Seaverns Bridge Canoe Launch Ramp Access Improvement ($50,000)	R	Road Infrastructure CRF				-		50,000		33 - 34	
16	Admin/Engineering	Chamberlain Bridge Rehabilitation/Sidewalk ($636,000)	R	Road Infrastructure CRF	-	-	-	200,000	-	-	-	35 - 36	
				State Grant	-	-	-	436,000	-	-	-		
17	Admin/Engineering	Sewer Line Extension Sunset Shores ($1,318,000)	A	Sewer Line Ext. CRF	868,000	-	-	-	-	-	-	37 -38	
				Road Infrastructure CRF	300,000	-	-	-	-	-	-		
				MVD (water line) ($260,000)	-	-	-	-	-	-	-		
				Budget Pavement 8505	150,000	-	-	-	-	-	-		
18	Library	Parking Lot Repaving/Walkway	R	Library Maintenance CRF	-	-	45,000	-	-	-		39	
19	Library	HVAC	R	Library Maintenance CRF							100,000	40	
20	Library	Sprinkler System	R	Library Maintenance CRF							100,000	41	
21	Library	New Library (place holder)	R	Bond	-	-	-	-	-	-	6,000,000	N/A	
22	Parks & Recreation	New Athletic Fields (place holder)	A	Bond	-	-	-	-	-	-	2,000,000	N/A	
	TOTAL GENERAL FUND				3,928,000	2,900,000	6,972,500	4,581,000	3,920,000	1,292,000	9,650,000		
1	Wastewater	Executive Park Drive Pump Station	N	User Fees State Loan SRF	-						1,040,000	42 - 43	
2	Wastewater	Sawdust Storage Pole Barn	R	User Fees State Loan SRF	-				160,000			44 -45	
3	Wastewater	Wastewater Treatment Plant Phase III and Pump Station Upgrades	R	User Fees State Loan SRF	-	-		-	-	8,920,000	-	46 -49	
	TOTAL SEWER FUND				-	-	-	-	160,000	8,920,000	1,040,000		
				CRF	1,808,000	820,000	690,500	500,000	1,081,000	492,000	850,000		
				Funded Through Budget	665,000	675,000	675,000	675,000	675,000	675,000	675,000		
				Bonds	-	-	3,300,000	2,195,000	-	-	8,000,000		
				Developer Fees	-	-	-	-	23,000	-	-		
				Road Improvement (RSA261:153)	135,000	125,000	125,000	125,000	125,000	125,000	125,000		
				Private Donation	-	-	-	650,000	-	-	-		
				State Aid	1,320,000	1,280,000	2,182,000	436,000	2,016,000	-	-		
				User Fees/Bonds	-	-	-	-	160,000	8,920,000	1,040,000		
					3,928,000	2,900,000	6,972,500	4,581,000	4,080,000	10,212,000	10,690,000		

Schedule 3

Capital Improvements Program

MINOR PROJECTS

No	Department	Year	Replace SCH	Model		Funding Source	Current Year 2014/15	YR 1 2015/16	YR 2 2016/17	YR 3 2017/18	YR 4 2018/19	YR 5 2019/20	YR 6 2020/21
1	Assessing			Revaluation	R	Revaluation CRF	-	-	75,000	-	-	-	-
2	Communications			Communications Recorder	R	Communication CRF	20,000	-	-	-	-	-	-
3	Communications			Radio Base Stations	R	Communication CRF	-	54,000	-	516,000	-	-	-
4	Communications			Access Control / Facility Monitoring	R	Communication CRF	-	-	-	-	-	-	30000
5	Community Development			GIS Update & Maintenance Program	R	GIS CRF	-	-	160,000	-	-	-	-
6	Fire (Building Division) BI		Old PD	Building Inspector Vehicle (184) (Used)	R	Budget				35,000			
7	Fire (Building Division)BO		Old PD	Building Official Vehicle (166) (Used)	R	Budget			35,000				
8	Fire (Fire Prevention) FI		Old PD	Fire Inspector Vehicle (111) (Used)	R	Budget					35,000		
9	Fire (Fire Prevention) K1	2000	20 yrs	Fire Marshall Vehicle (216) (Used)	R	Fire Equip CRF				29,900			
10	Fire (Health Division) HO		Old PD	Health Officer Vehicle (Used) (182)	R	Budget							35,000
11	Fire (Operations) A1 (226)	2010	100k (miles)	F450 Ambulance A1 (226)	R	Ambulance CRF	-	-		200,000	-	-	-
12	Fire (Operations) A2 (220)	2005	100k (miles)	F450 Ambulance A2 (220)	R	Ambulance CRF	-	200,000	-	-	-	-	-
13	Fire (Operations) A3 (new)	2014	100k (miles)	F350 Ambulance A3 (197)	R	Ambulance CRF	-	-	-	-	-	-	200,000
14	Fire (Operations) B1	1994	22 yrs	Boat Rigid Hull Inflatable B1 (269)	R	Fire Equip CRF	-		-	-		-	48,000
15	Fire (Operations) B2	1994	20 yrs	Boat Inflatable B2 (207)	R	Fire Equip CRF	-	-	35,000	-	-	-	-
16	Fire (Operations) E3	1996	20 yrs	Pumper Engine International E3 (214)	R	Fire Equip CRF	-	-	-	-	500,000	-	-
17	Fire (Operations) F1	1988	27 yrs	Pickup (1 ton) Forestry Truck F1 (208)	R	Fire Equip CRF	-	-	40,000	-	-	-	-
18	Fire (Operations) Opticom		EOL	Opticom Repair/Replace	R	Traffic Pre-emption CRF	-	-	-	50,000	-	-	-
19	Fire (Operations) Radios		EOL	Communications (Radios)	R	Fire Equip CRF	-	-	75,000	75,000	75,000		
20	Fire (Operations) SCBA		EOL	Emergency Breathing Air (SCBA) Replacements	R	Fire Equip CRF		82,334	82,334	82,334			
21	Fire (Operations) SOT3		20 yrs	Trailer Emergency Management Shelter Equipment	A	Fire Equip CRF	-		15,000	-	-	-	-
22	Fire (Operations) Thermal Imagers		EOL	Cardiac Defibrillator/Monitor/Transmitter	R	Fire Equip CRF	35,000	30,000	-	-	-		
23	Fire (Operations) U1	2006	15 yrs	162 SD SC Chassi U1 (1 ton) (224)	R	Fire Equip CRF	-	-	-	-	-	-	53,000
24	Fire Command Vehicle C3	2000		Fire Command Vehicle (104) (Asst Chief Operations)	R	Fire Equip CRF	35,000	-	-	-	-	-	
25	Highway	2002	10 yr	6 Wheel Dump H-24	R	Highway Equip CRF	150,000	-	-	-	-	-	-
26	Highway	2002	10 yr	6 Wheel Dump H-25	R	Highway Equip CRF	150,000	-	-	-	-	-	-
27	Highway	2002	10 yr	Tractor H-41	R	Highway Equip CRF	90,000	-	-	-	-	-	-
28	Highway	2003	10 yr	Mower, Exmark	R	Budget	12000						
29	Highway	2001	10 yr	6 Wheel Dump H-31	R	Highway Equip CRF	-	155,000	-	-	-	-	-
30	Highway	2003	10 yr	Loader H-16	R	Highway Equip CRF	-	150,000	-	-	-	-	-
31	Highway	2002	10 yr	6 Wheel Dump H-21	R	Highway Equip CRF	-	-	160,000	-	-	-	-
32	Highway	2005	10 yr	Utility Vehicle H-43	R	Highway Equip CRF	-	-	125,000	-	-	-	-
33	Highway	2006	10 yr	3/4 T Pickup H-2	R	Highway Equip CRF	-	-	35,000	-	-	-	-
34	Highway	1988	25 yr	Trailer	R	Highway Equip CRF	-	-	15,000	-	-	-	-
35	Highway	2004	10 yr	Mower, Exmark	R	Budget			15,000				
36	Highway	2005	10 yr	6 Wheel Dump H-22	R	Highway Equip CRF	-	-	-	165,000	-	-	-
37	Highway	2005	10 yr	6 Wheel Dump H-27	R	Highway Equip CRF	-	-	-	165,000	-	-	-
38	Highway	1990	25 yr	Trailer, Paint	R	Highway Equip CRF	-	-	-	15,000	-	-	-
39	Highway	2007	10 yr	Mower, Exmark	R	Budget				12,000			
40	Highway	2002	15 yr	Cement Mixer	R	Budget				15,000			
41	Highway	2005	10 yr	6 Wheel Dump H-28	R	Highway Equip CRF	-	-	-	-	170,000	-	-
42	Highway	2005	10 yr	6 Wheel Dump H-34	R	Highway Equip CRF	-	-	-	-	170,000	-	-
43	Highway	2008	10 yr	3/4 T Pickup H-6	R	Highway Equip CRF	-	-	-	-	35,000	-	-
44	Highway	2006	10 yr	6 Wheel Dump H-20	R	Highway Equip CRF	-	-	-	-	-	175,000	-
45	Highway	2006	10 yr	6 Wheel Dump H-30	R	Highway Equip CRF	-	-	-	-	-	175,000	-
46	Highway	2000	15 yr	SUV H-1	R	Highway Equip CRF	-	-	-	-	-	35,000	-
47	Highway	2009	10 yr	6 Wheel Dump H-35	R	Highway Equip CRF	-	-	-	-	-	-	180,000
48	Highway	2006	12 yr	Bucket Truck H-18	R	Highway Equip CRF	-	-	-	-	-	-	100,000
49	Highway	2008	10 yr	1 Ton Dump H-10	R	Highway Equip CRF	-	-	-	-	-	-	60,000
50	Highway	2004	15 yr	Tree chipper	R	Highway Equip CRF	-	-	-	-	-	-	50,000
51	Highway	2008	12 yr	3/4 T Pickup H-4	R	Highway Equip CRF	-	-	-	-	-	-	40,000
52	Highway	1981	25 yr	Trailer, Roller	R	Highway Equip CRF	-	-	-	-	-	-	10,000
53	Library			Electronic Reader Board	A	Budget				30,000			
54	Library			Patron Drop box	A	Budget				10,000			
55	Police	Var		Patrol Vehicles	R	Budget	110,000	110,000	110,000	110,000	110,000	110,000	110,000
56	Police	Var		Detective Vehicles	R	Budget				30,000			
57	Police			Crime Scene vehicle replacement	R	Budget					100,000		

Schedule 3

Capital Improvements Program

MINOR PROJECTS

No	Department	Year	Replace SCH	Model		Funding Source	Current Year 2014/15	YR 1 2015/16	YR 2 2016/17	YR 3 2017/18	YR 4 2018/19	YR 5 2019/20	YR 6 2020/21
58	Solid Waste Disposal	1990	20yr	Stake-Body Truck	R	Solid Waste CRF	-	30,000	-	-	-	-	-
59	Solid Waste Disposal	2005	10 yr	100 CY Trailers (4)	R	Solid Waste CRF	-	-	70,000	70,000	-	70,000	70,000
60	Solid Waste Disposal		20 yr	Landfill Slope Mower	N	Solid Waste CRF	-	-	45,000	-	-	-	
61	Solid Waste Disposal	1999	10yr	Truck Cab & Chassis - Tractor (2)	R	Solid Waste CRF	-	-	-	120,000	-	-	-
62	Solid Waste Disposal	2003	15yr	Fork Lift	R	Solid Waste CRF	-	-	-	-	25,000	-	-
63	Solid Waste Disposal	05 & 13	20yr	Transfer Station Loader (2)	R	Solid Waste CRF	-	-	-	-	-	250,000	-
64	Technology			Licenses	R	Computer CRF	50,000	35,000	30,000	40,000	-	-	-
65	Town Clerk/Tax Collector			Computer Equipment	R	Computer CRF	-	-	-	-	-	-	10,000
TOTAL GENERAL FUND							666,000	862,334	1,115,334	1,954,234	1,221,840	840,795	1,005,869
1	Wastewater Treatment			Manhole/Sewer Line Rehabilitation	R	User Fees	25,000	75,000	25,000	25,000	82,000	25,000	25,000
2	Wastewater Treatment			CMOM X-Country Sewer System Easement Recovery-Phase III	A	User Fees	-	-	20,000	20,000	20,000	20,000	20,000
3	Wastewater Treatment	2012	5	Bobcat Skid Steer Loaders	R	User Fees	-	-	-	40,000	-	-	-
4	Wastewater Treatment	2016	20	Bobcat Toolcat, trailer and accessories-X Country Sewer Maintenance	A	User Fees	-	75,000	-	-	-	-	-
5	Wastewater Treatment	2013	25	Penn Valley pumps	A	User Fees	-	-	-	-	-	-	-
6	Wastewater Treatment	2014	25	Thorntons Ferry Pump Station grinder	R	User Fees	50,000	-	-	-	-	-	-
7	Wastewater Treatment	2002	15	Camera/Sewer Maintenance E-350 Cut Away truck 16' box	R	User Fees	-	-	32,000		-	-	-
8	Wastewater Treatment	2005	10	F250	R	User Fees	-	35,000		-	-	-	-
9	Wastewater Treatment	2005	15	Explorer	R	User Fees	-	-	-	-	-	-	-
10	Wastewater Treatment	2007	15	Explorer	R	User Fees	-	-	-	-	-	30,000	-
11	Wastewater Treatment	2006	15	7400SFA Sewer Vac Truck	R	User Fees	-	-	-	-	-	-	300,000
12	Wastewater Treatment			3-Sets replacement tires for 938 front end loaders	R	User Fees	-	-	12,000	12,500	13,000	-	-
13	Wastewater Treatment	2006	20	3-Cat 938 front end loaders	R	User Fees	-	-	-	-	-	-	-
TOTAL SEWER FUND							75,000	185,000	89,000	97,500	115,000	105,000	375,000
1	Cable Television			Other CATV Equipment	R	Franchise Fees	10,000	10,000	10,000	10,000	10,000	10,000	10,000
2	Cable Television			Additional Lighting	R	Franchise Fees	10,000	-	-	-	-	-	-
3	Cable Television			Software and Licenses	R	Franchise Fees	10,000	-	-	-	-	-	-
4	Cable Television			Matthew Thornton Conference room Upgrades	A	Franchise Fees	10,000						
5	Cable Television			Town Hall Memorial Conference Room Equipment	R	Franchise Fees	-	20,000	-	-	10,000	-	-
6	Cable Television			Media Staff Hardware	R	Franchise Fees	-	10,000	-	-	-	-	-
7	Cable Television			Public Accessand Education Camcorders	R	Franchise Fees	-	-	-	-	-	-	-
8	Cable Television			Public Access Cameras and Audio Equipment	R	Franchise Fees	-	5,000	-	-	-	-	-
9	Cable Television			Replace Cablecast / WebCast Devices	R	Franchise Fees	-	-	-	20,000	-	-	-
10	Cable Television			Town Hall Matthew Thornton Room Equipment	R	Franchise Fees	-	-	-	-	20,000	10,000	-
11	Cable Television			Software	R	Franchise Fees	-	-	-	-	10,000	10,000	-
12	Cable Television			Remote Equipment	R	Franchise Fees	-	-	-	-	-	10,000	-
13	Cable Television			Public Access Studio Lighting	R	Franchise Fees	-	-	10,000	-	-	10,000	-
14	Cable Television			Public Access Cameras and Video Switcher	R	Franchise Fees	-	-	-	20,000	-	-	-
15	Cable Television			Public Access File Storage (Server)	R	Franchise Fees	-	-	-	-	-	-	-
16	Cable Television			Public Access Editing Systems	R	Franchise Fees	-	-	10,000	-	-	-	-
17	Cable Television			Lower Power FM Equipment	R	Franchise Fees	-	-	20,000	-	-	-	-
	Total CATV FUND						40,000	45,000	50,000	50,000	50,000	50,000	10,000
							372,000	536,334	934,334	1,566,234	1,055,000	705,000	518,000
							75,000	185,000	89,000	97,500	115,000	105,000	375,000
							40,000	45,000	50,000	50,000	50,000	50,000	10,000
							631,000	1,092,334	1,214,334	2,051,734	1,386,840	995,795	1,390,869
							516,000	862,334	1,075,334	1,904,234	1,221,840	840,795	1,005,869

Capital Improvements Program
PROJECT REQUEST FORM

1. Description of Project: NEW SOUTH FIRE STATION PROJECT

Based on recommnedations form an outside study for Fire/EMS/Rescue/Emergency Management needs, construction of an emergency station to house ambulance, rescue and fire apparatus if needed on property identified in the study. The is the replacement for the South Fire Station.

2a. Was this same project reflected in the prior CIP? Yes

2b. If 2a = yes, indicate areas of significant changes reflected in this Project Request Form and briefly explain why the changes have been made: cost X ; year X ; scope ; none
(check all that apply)

Explanation:

The replacement of this station is urgent, the fire department will be looking to have an outside engineering firm provide a facilities study of all the stations and develop along with the fire department a needs assessment, and location assessment based on response activities types throughout the community. From this study recommendations will be outlined to meet the needs of the town.

3. Expected Useful Life: 50+ years with proper maintenance and care

4. Explanation of Need:

The South Fire Station originally constructed in 1973 as a two bay garage to house only fire apparatus. With the need for increased emergency protection within the South section of the community, the addition of living areas were added to the station in 1987, which would allow full time career emergency personnel to occupy the structure meeting the emergent needs of the growing community as industrial/commercial growth continues in the community, with the Chelsea Outlet Mall and future build out of the surrounding areas.

Continued residential and commercial development, especially on the 101A corridor, Industrial Interchange, Daniel Webster Highway south and homes throughout the area the need to relocate and provide additional space to accommodate apparatus and personnel is considered necessary. The process of upgrading or replacing the South Fire Station has been in the works for the last 16 plus years. During this time and budget restraints have limited the spending of monies to upgrade the structure in anticipation of the construction of a new building. The building is currently in need of major repair from deterioration due to its age including insufficient space for emergency training, administrative activities and proper storage of apparatus and equipment. The facility currently does not meet the need of ADA, an equal opportunity employer, (as it has no accommodations for female employees) and a very limited fire protection system.

The construction of a new station project is currently not projecting additional fire personnel, although the projected growth of the southern corridor commercial/industrial and the completion of the airport access road will increase the need for additional emergency services throughout the community.

5. Estimated Cost:	
Design	60,000
Engineering	85,000
Construction	2,310,000
Equipment	650,000
Bond issue costs	-
Temporary housing	-
Total	3,105,000

6. Financing:	
Federal/State Grant	-
Private Grant	650,000
User Fees (Sewer/Water)	-
Sale of Replaced Asset	-
Capital Reserve Fund	260,000
Bond Proceeds	2,195,000
Property Tax	-
Total	3,105,000

7. Impact on Operating Budget:	
Personnel	37,000
Maintenance	3,000
Insurance	2,500
Utilities	6,500
Total	49,000

8. Project Period:	
2014-15	**60,000**
2015-16	**-**
2016-17	-
2017-18	**3,045,000**
2018-19	-
2019-20	-
2020-21	-
Total	3,105,000

Capital Improvements Program
PROJECT REQUEST FORM

Project: Bridge Replacement - McGaw Bridge Road

Project same as reflected in prior CIP? Yes: No: X

If No, indicate area of significant change reflected and briefly explain why the changes have been made: Cost: X Year: X Scope: None: (Check all that apply).

Explanation and Need: See attached information sheet.

Estimated Cost:	
Design Engineering Study	160,000
Engineering - Construction Engineering	
Construction	1,490,000
Equipment	
Trade-In Allowance	
Total	**1,650,000**
Financing:	
Federal/State Grant (80% State Bridge Aid)	1,320,000
Private Grant	
User Fees (Sewer/Water)	
Sale of Replaced Asset	
Capital Reserve Fund (20%)	330,000
Bond Proceeds	
Property Tax	
Total	**1,650,000**
Impact on Operating Budget:	
Personnel	
Maintenance	
Insurance	
Utilities	
Total	**0**
Project Period:	
2014-15	1,650,000
2015-16	
2016-17	
2017-18	
2018-19	
2019-20	
2020-21	
Total	**1,650,000**

Bridge Replacement – McGaw Bridge Road

McGaw Bridge Road bridge over Baboosic Brook (116/137) was constructed in 1915. The bridge has a concrete deck supported by I-beams on granite abutments. The bridge spans 30 feet and is 31 feet wide (28.6' curb to curb).

This bridge is in the State Bridge Aid Program in which NHDOT pays for 80% of the construction cost of the project, while the Municipality pays the remaining 20%.

McGaw Bridge Road bridge is designated as a red list bridge by NHDOT inspectors. It currently has a weight limit posting of 15 tons. The 2008 AADT (Average Annual Daily Traffic) for this bridge is 1200. The predicted AADT for 2028 is 1776.

Final design plans are nearly complete. The project is scheduled to advertise in November/December 2014 with construction beginning in spring of 2015. McGaw Bridge Road will be closed at the bridge during construction.

Weight Restriction on Bridge.

PWD Repairs to Deck in 2009.

View from Down Stream.

Capital Improvements Program
PROJECT REQUEST FORM

Project: Bridge Replacement - Bean Road Bridge

Project same as reflected in prior CIP? Yes: No: X

If No, indicate area of significant change reflected and briefly explain why the changes have been made: Cost: X Year: X Scope: None: (Check all that apply).

Explanation and Need: See attached information sheet.

Estimated Cost:	
Design Engineering Study	160,000
Engineering - Construction Engineering	
Construction	1,440,000
Equipment	
Trade-In Allowance	
Total	**1,600,000**
Financing:	
Federal/State Grant (80% State Bridge Aid)	1,280,000
Private Grant	
User Fees (Sewer/Water)	
Sale of Replaced Asset	
Capital Reserve Fund (20%)	320,000
Bond Proceeds	
Property Tax	
Total	**1,600,000**
Impact on Operating Budget:	
Personnel	
Maintenance	
Insurance	
Utilities	
Total	**0**
Project Period:	
2014-15	
2015-16	1,600,000
2016-17	
2017-18	
2018-19	
2019-20	
2020-21	
Total	**1,600,000**

Bridge Replacement – Bean Road

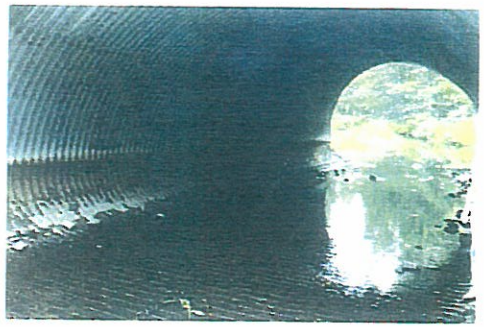
Bean Road bridge over Baboosic Brook (072/115) was constructed in 1981. The bridge is a multi-plate steel arch bridge with a span of 21 feet and a width of 27 feet.

Recently the Bean Road Bridge over the Baboosic Brooke was inspected by the NHDOT and was down graded to a posted weight limit of 10 tons due to corrosion at the water line.

NHDOT has moved this bridge up in the State Aid bridge program due to its condition. Design is expected to begin fall of 2014 with construction anticipated for 2015/2016. NHDOT will reimburse 80% of design and construction costs under the State Aid bridge program.

Bean Road looking east.

View of inlet from above.



Inside pipe arch – note corrosion at spring line.

Capital Improvements Program
PROJECT REQUEST FORM

Project: Bridge Replacement - Bedford Road @ Baboosic Brook

Project same as reflected in prior CIP? Yes: X No:

If No, indicate area of significant change reflected and briefly explain why the changes have been made: Cost: Year: Scope: None: (Check all that apply).

Explanation and Need: See attached information sheet.

Estimated Cost:	
Design	
Engineering - including wetlands mitigation, ROW acquisitions, permits	272,750
Construction	2,454,750
Equipment	
Trade-In Allowance	
Total	**2,727,500**
Financing:	
Federal/State Grant (80% State Bridge Aid)	2,182,000
Private Grant	
User Fees (Sewer/Water)	
Sale of Replaced Asset	
Capital Reserve Fund (20%)	545,500
Bond Proceeds	
Property Tax	
Total	**2,727,500**
Impact on Operating Budget:	
Personnel	
Maintenance	
Insurance	
Utilities	
Total	**0**
Project Period:	
2014-15	
2015-16	
2016-17	2,727,500
2017-18	
2018-19	
2019-20	
2020-21	
Total	**2,727,500**

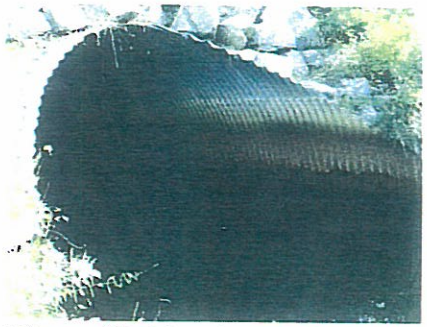
Bridge Replacement – Bedford Road

Bedford Road bridge over Baboosic Brook (113/159) was constructed in 1984. The multi-plate arch steel pipe has a 21 foot span.

This bridge is in the State Bridge Aid Program in which NHDOT pays for 80% of the construction cost of the project, while the Municipality pays the remaining 20%.

This bridge is showing moderate deterioration to the steel at the flow line of the brook. Replacement of this structure, along with proposed roadwork will eliminate the flooding that has closed Bedford Road just west of the bridge. The engineering study for the bridge is complete. Final design will progress moving forward with an anticipated construction date of 2016/2017.

The 2008 AADT (Average Annual Daily Traffic) for this bridge is 5800. The predicted AADT for 2029 is 6660.



View of Bridge from Down Stream.

May 2006 Flood.

May 2006 Flood.

Capital Improvements Program
PROJECT REQUEST FORM

Project: Bridge Replacement - US 3 (DW Highway) @ Baboosic Brook

Project same as reflected in prior CIP? Yes: No: X

If No, indicate area of significant change reflected and briefly explain why the changes have been made: Cost: Year: Scope: None: (Check all that apply).

NEW PROJECT

Explanation and Need: See attached information sheet.

Estimated Cost:	
Design	
Engineering - including wetlands mitigation, ROW acquisitions, permits	252,000
Construction	2,268,000
Equipment	
Trade-In Allowance	
Total	**2,520,000**
Financing:	
Federal/State Grant (80% State Bridge Aid)	2,016,000
Private Grant	
User Fees (Sewer/Water)	
Sale of Replaced Asset	
Capital Reserve Fund (20%)	504,000
Bond Proceeds	
Property Tax	
Total	**2,520,000**
Impact on Operating Budget:	
Personnel	
Maintenance	
Insurance	
Utilities	
Total	**0**
Project Period:	
2014-15	
2015-16	
2016-17	
2017-18	
2018-19	2,520,000
2019-20	
2020-21	
Total	**2,520,000**

Bridge Replacement – US 3 (DW Highway)

US 3 bridge over Baboosic Brook (118/135) was constructed in 1933. The concrete arch bridge has a 20 foot span. The US 3 bridge currently has a Federal Sufficiency Rating of 50.9% and a National Bridge Inventory Status of *structurally deficient*.

The bridge will be in the State Bridge Aid Program in which NHDOT pays for 80% of the cost of the project, while the Municipality pays the remaining 20%.

This bridge is the final road crossing of Baboosic Brook prior to its convergence with the Souhegan River. Hydraulic analysis of the brook performed by the Town's bridge consultant shows that the current structure constricts flow, causing higher 50 and 100 year storm elevations upstream. Replacement of this structure will improve safety along the US 3 corridor by having a wider road and sidewalks, and will have the added benefit of allowing the McGaw Bridge Road and Bedford Road bridges to be constructed at lower elevations due to the reduced flood elevation.

The 2010 AADT (Average Annual Daily Traffic) for this bridge is 12,455. The predicted AADT for 2032 is 18,433. Construction is expected to occur in 2018/2019.

US 3 looking north.

US 3 bridge, downstream side.

Bank erosion from high velocity flows through current structure..

Capital Improvements Program
PROJECT REQUEST FORM

Project: Stormwater Drainage Improvements

Project same as reflected in prior CIP? Yes: X No:

If No, indicate area of significant change reflected and briefly explain why the changes have been made: Cost: Year: Scope: None: (Check all that apply).

Explanation and Need: See attached information sheet.

Estimated Cost:	
Design	15,000
Engineering - including wetlands mitigation, ROW acquisitions, permits	
Construction	85,000
Equipment	
Trade-In Allowance	
Total	**100,000**
Financing: (ANNUAL)	
Federal/State Grant	
Private Grant	
User Fees (Sewer/Water)	
Sale of Replaced Asset	
Capital Reserve Fund	100,000
Bond Proceeds	
Property Tax	
Total	**100,000**
Impact on Operating Budget:	
Personnel	
Maintenance	
Insurance	
Utilities	
Total	**0**
Project Period:	
2014-15	100,000
2015-16	100,000
2016-17	100,000
2017-18	100,000
2018-19	100,000
2019-20	200,000
2020-21	200,000
Total	**900,000**

Stormwater Drainage Improvements

The Public Works Department maintains a prioritized list of drainage improvement projects. The list is updated twice each year. Projects are scored based on criteria in 4 subject areas – Public Health and Safety; Private Property Impacts; Public Property Impacts; and Secondary Factors. Projects are also classified as a Highway Division project, a Contractor project, or a combination of the two.

Anticipated projects for the FY 14/15 construction season are:

- ☐ Turkey Hill Road near McQuestion
- ☐ DW Highway/Naticook Brook
- ☐ Burt Street and Valleyview Drive
- ☐ Amherst Road
- ☐ Wilson Hill Road
- ☐ Executive Park Drive
- ☐ Thornton Road West
- ☐ Town wide Basin Repairs

Roadway & Driveway Damage.

Street Flooding.

Sink Holes.

Capital Improvements Program
PROJECT REQUEST FORM

Paving - Infrastructure Improvements

Project same as reflected in prior CIP? Yes: X No:

If No, indicate area of significant change reflected and briefly explain why the changes have been made: Cost: Year: Scope: None: (Check all that apply).

Explanation and Need: See attached information sheet. See Sunset Shores Project

Estimated Cost:	
Design	
Engineering - including wetlands mitigation, ROW acquisitions, permits	
Construction	800,000
Equipment	
Trade-In Allowance	
Total	
Financing: (ANNUAL)	
Federal/State Grant	
Private Grant	
User Fees (Road Improvement Registration Fee)	125,000
Sale of Replaced Asset	
Capital Reserve Fund	
Bond Proceeds	
Property Tax	675,000
Total	**800,000**
Impact on Operating Budget:	
Personnel	
Maintenance	
Insurance	
Utilities	
Total	**0**
Project Period:	
2014-15 See Sunset Shores Project ($150,000 to Paving)	800,000
2015-16	800,000
2016-17	800,000
2017-18	800,000
2018-19	800,000
2019-20	800,000
2020-21	800,000
Total	**5,600,000**

Paving / Infrastructure Improvements

The Public Works Department maintains over 475 roads totaling approximately 180 centerline miles. The Department uses a pavement management database in which physical road distresses for each road are tabulated to derive a PCI (Pavement Condition Index) for each public road. This data, along with traffic volumes, drainage/sewer projects, funding, and other factors are used to develop the paving/infrastructure improvement program for the year.

All or part of the following roads were paved during the past five years:

2014 – Hillside Terrace, Majestic Lane, Old Kings Road, Regal Drive, Caron Street, Herrick Street, King Street, Bryce Drive, Berry Lane, Mitchell Street, Danforth Road, Hassel Road, Hutchinson Road, Cummings Road, Cowin Road, Seaverns Bridge Road, Coles Rock Road, Cramer Hill Road.

2013 – Patten Road, Wilson Hill Road, Turkey Hill Road, Henry Clay Drive, John Tyler Road, Drouin Way, Leblanc Lane, Davidson Avenue, Piedmont Avenue, Riverside Drive, Mast Road,

2012 – Reeds Ferry Way, Paige Drive, Level Street, Lyons Road, Merrill Road, Bates Road, Marty Drive, Linden Way, Stonedge Way, Lamson Drive, Sands Terrace, Winchester Drive, Westborn Drive, May Drive, Lawrence Road, McQuestion Road, Joppa Road.

2011 - DW Highway, Continental Boulevard, Amherst Road, Baboosic Lake Road, Railroad Avenue, Beaverbrook Drive, King Henry Court, Samuel J Drive, Naticook Road, Currier Road, Souhegan Drive, Birch Street, Fir Street, Hemlock Street, Tiffany Lane, Pinehaven Drive.

2010 - Palmeri Drive, Gerard Drive, Rushmore Court, Royal Court, Eden Street, Park Avenue, Forsythia Lane, DW Drive, Island Drive, Tennis Court, Liberty Lane, Bristol Street, Matthew Drive, Woodridge Road, Brewster Street, Audubon Circle, Allen Road, Hilton Drive, Butternut Lane, Hickory Lane, Baboosic Lake Road, Bean Road, Peaslee Road, Boston Post Road, Thornton Road West, Turkey Hill Road.

Paving Binder on Reclaimed Base.

New Lane Lines on Pavement.

Alligator Cracked Roadway.

Capital Improvements Program
PROJECT REQUEST FORM

Project: Paving - Gravel Roads

Project same as reflected in prior CIP? Yes: No: X

If No, indicate area of significant change reflected and briefly explain why the changes have been made: Cost: X Year: Scope: None: (Check all that apply).

Explanation and Need: See attached information sheet.

Estimated Cost:	
Design	
Engineering - including wetlands mitigation, ROW acquisitions, permits	
Construction	300,000
Equipment	
Trade-In Allowance	
Total	**300,000**
Financing:	
Federal/State Grant	
Private Grant	
User Fees (Sewer/Water)	
Sale of Replaced Asset	
Capital Reserve Fund (Road Infrastructure Account)	300,000
Bond Proceeds	
Property Tax	
Total	**300,000**
Impact on Operating Budget:	
Personnel	
Maintenance	
Insurance	
Utilities	
Total	**0**
Project Period:	
2014-15	
2015-16	
2016-17	
2017-18	
2018-19	
2019-20	
2020-21	300,000
Total	**300,000**

Paving / Infrastructure Improvements – Gravel roads

Merrimack has 20 gravel roads. Grading and reshaping the gravel roads uses approximately 300-400 man hours each year. Public Works proposes to systematically pave the gravel roads starting with the longer, higher traffic volume roads to reduce the maintenance burden. By constructing the paved roads with proper ditchlines, the effect of the added impervious area will be mitigated by treating the stormwater. The paved road has the added benefit of not being susceptible to erosion that contributes to dirty runoff into neighboring waterbodies.

Greens Pond Road – note erosion to the right

A secondary goal of this program is to eliminate the need to replace the grader. Currently, the existing 1997 grader is scheduled to be replaced in 2022 at an estimated cost of $250,000.

Lester Road – will include realigning the "Y" intersection to a " T" intersection

The roads initially targeted in this program are:

- Greens Pond Road
- Lester Drive
- Fuller Mill Road

Current development projects are improving from gravel to paved on Old Blood Road and Tomasian Drive.

Capital Improvements Program
PROJECT REQUEST FORM

Project: Paving - DW Highway

Project same as reflected in prior CIP? Yes: X No:

If No, indicate area of significant change reflected and briefly explain why the changes have been made: Cost: Year: Scope: None: (Check all that apply).

Explanation and Need: See attached information sheet.

Estimated Cost:	
Design	
Engineering - including wetlands mitigation, ROW acquisitions, permits	
Construction	400,000
Equipment	
Trade-In Allowance	
Total	**400,000**
Financing:	
Federal/State Grant	
Private Grant	
User Fees (Sewer/Water)	
Sale of Replaced Asset	
Capital Reserve Fund (DW Highway Infrastructure Account)	400,000
Bond Proceeds	
Property Tax	
Total	**400,000**
Impact on Operating Budget:	
Personnel	
Maintenance	
Insurance	
Utilities	
Total	**0**
Project Period:	
2014-15	
2015-16 (Chamberlain Bridge to Bedford Road)	400000
2016-17	
2017-18	
2018-19	
2019-20	
2020-21	
Total	**400,000**

Paving DW Hwy (Chamberlain Bridge to Bedford Rd)

The Town of Merrimack is responsible for maintenance on the Class IV section of Daniel Webster Highway which runs from Greeley Street to Bedford Road.

In 2011, the Town rehabilitated the section from Greeley Street to the Chamberlain Bridge over the Souhegan River. In FY 15/16, Public Works plans to rehabilitate the remaining stretch from the Chamberlain Bridge to Bedford Road where needed. The timing of the FY 15/16 work is scheduled to coordinate with the completion of other work along the corridor including traffic signal upgrades at Baboosic Lake Road and Front Street.

2011 traffic counts along the corridor range from 13,000 to 16,000 AADT.

DW Highway Paving

DW Pavement Grinding

DW Repair Prior to Paving

Capital Improvements Program
PROJECT REQUEST FORM

Project: Paving - Executive Park Drive

Project same as reflected in prior CIP? Yes: No: X

If No, indicate area of significant change reflected and briefly explain why the changes have been made: Cost: Year: Scope: None: (Check all that apply).

Explanation and Need: See attached information sheet.

Estimated Cost:	
Design	
Engineering - including wetlands mitigation, ROW acquisitions, permits	
Construction	150,000
Equipment	
Trade-In Allowance	
Total	**150,000**
Financing:	
Federal/State Grant	
Private Grant	
User Fees (Sewer/Water)	
Sale of Replaced Asset	
Capital Reserve Fund (Road Infrastructure Account)	150,000
Bond Proceeds	
Property Tax	
Total	**150,000**
Impact on Operating Budget:	
Personnel	
Maintenance	
Insurance	
Utilities	
Total	**0**
Project Period:	
2014-15	
2015-16	
2016-17	
2017-18	
2018-19	
2019-20	
2020-21	150,000
Total	**150,000**

Paving / Infrastructure Improvements

Executive Park Drive was constructed in 1979 as a parkway with 25-26' travel ways and medians resulting in a road width of approximately 66 feet. The road has a current PCI of 54.

Executive Park Drive is wider than necessary for the traffic volumes carried. The medians, though installed to enhance the appearance of the road, have become an eyesore and a maintenance burden. The large impervious area contributes runoff to Naticook Brook which flows into Horseshoe Pond, which is on the NHDES list of impaired or threatened waters.

Public Works plan is to remove the medians and narrow the pavement to a 12' travel way with 8' shoulders. Doing so will accomplish the following:

- Reduce impervious area by nearly 50,000 SF
- Allow for grass ditchlines to treat stormwater prior to entering closed system that outfalls to Naticook Brook
- Maintain sufficient width for parallel parking for local businesses
- Reduce pavement overlay cost by 35%
- Move traffic away from double catch basin grates

Executive Park Drive looking north toward Cinemagic

Double CB grates.

Capital Improvements Program
PROJECT REQUEST FORM

Project: Highway Garage Renovations/Replacement

Project same as reflected in prior CIP? Yes: X No:

If No, indicate area of significant change reflected and briefly explain why the changes have been made: Cost: X Year: X Scope: None: (Check all that apply).

Explanation and Need: See attached information sheet.

Estimated Cost:	
Design	
Engineering - including wetlands mitigation, ROW acquisitions, permits (10%)	330,000
Construction	2,970,000
Equipment	
Trade-In Allowance	
Total	**3,300,000**
Financing:	
Federal/State Grant	
Private Grant	
User Fees (Unearned Impact Fees)	
Sale of Replaced Asset	
Capital Reserve Fund	
Bond Proceeds	3,300,000
Property Tax	
Total	**3,300,000**
Impact on Operating Budget:	
Personnel	
Maintenance	
Insurance	
Utilities	5,000
Total	**5,000**
Project Period:	
2014-15	
2015-16	
2016-17	3,300,000
2017-18	
2018-19	
2019-20	
2020-21	
Total	**3,300,000**

Highway Garage

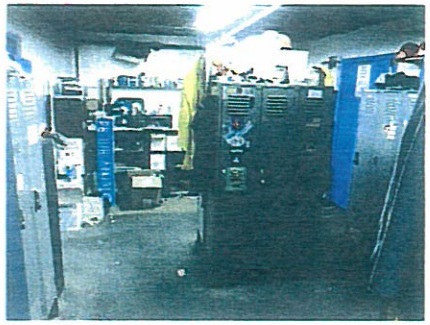
This project will involve the rehabilitation of the existing garage that is inadequate in size and function and is code deficient. In addition, new facilities will include a larger, safer, and more efficient fleet maintenance garage, health/hygiene and efficiency upgrades to personnel spaces, as well as increased vehicle storage and staging areas for improved emergency response and equipment life.

The Highway garage complex will remain at the existing site on Turkey Hill Road.

The Town hired a consultant to develop a needs analysis that was completed in 2013.

The project bond proposal will go to Town ballot in the spring of 2015.

Highway Garage Exterior



Sign Shop/locker Room

Fuel Pumps

Capital Improvements Program
PROJECT REQUEST FORM

Project: Wire Road Intersection Improvements

Project same as reflected in prior CIP? Yes: X No:

If No, indicate area of significant change reflected and briefly explain why the changes have been made: Cost: X Year: Scope: None: (Check all that apply).

Explanation and Need: See attached information sheet.

Estimated Cost:	
Design	
Engineering - including wetlands mitigation, ROW acquisitions, permits	100,000
Construction	400,000
Equipment	
Trade-In Allowance	
Total	**500,000**
Financing:	
Federal/State Grant	
Private Grant	
User Fees (Unearned Impact Fees) (Reeds Ferry Crossing)	23,000
Sale of Replaced Asset	
Capital Reserve Fund	477,000
Bond Proceeds	
Property Tax	
Total	**500,000**
Impact on Operating Budget:	
Personnel	
Maintenance	
Insurance	
Utilities	
Total	**0**
Project Period:	
2014-15	
2015-16	
2016-17	
2017-18	
2018-19	500,000
2019-20	
2020-21	
Total	**500,000**

Wire Road Intersection Improvements

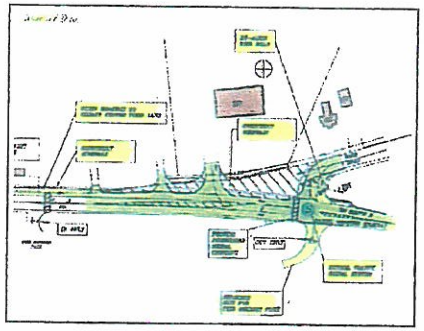
The Wire Road intersection with Daniel Webster Highway is poorly aligned. This project will improve safety by realigning the intersection.

There have been 19 accidents at the existing intersection from the period of January 1, 2006 to September 18, 2012. Of those, fourteen involved property damage, four resulted in personal injury, one involved a school bus, and one was uninvestigated.

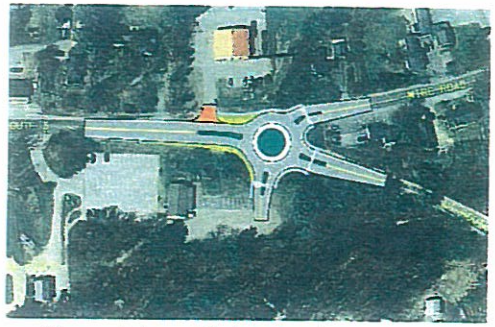
Two options are being considered: Sharp curve to align Wire road at a 90 degree angle to Daniel Webster Highway with traffic signals or stop sign (depending on the signal warrant study), or a roundabout intersection. Both options would include a new point of ingress/egress to the Twin Bridge Park/Bise Field/MYA Building facilities that would improve safety versus the existing drive across from Church Street.

Public Works contracted with VHB, Inc. in September 2013 to perform the traffic study to determine the best option for the intersection. Following the study, public meeting, and selection of alternative, design will continue into 2014. Construction of the intersection is scheduled for 2018/2019 at the same time as the US3 bridge.

Aerial View of Wire Road/DW Highway Intersection.



Signalized Intersection.



Roundabout Intersection.

Capital Improvements Program
PROJECT REQUEST FORM

Project: Turkey Hill & Baboosic Intervention Improvments/Roundabout

Project same as reflected in prior CIP? Yes: No: X

If No, indicate area of significant change reflected and briefly explain why the changes have been made: Cost: X Year: Scope: None: (Check all that apply).

Explanation and Need: See attached information sheet.

Estimated Cost:	
Design	
Engineering - including wetlands mitigation, ROW acquisitions, permits	25,000
Construction	150,000
Equipment	
Trade-In Allowance	
Total	**175,000**
Financing:	
Federal/State Grant	
Private Grant	
User Fees (Sewer/Water)	
Sale of Replaced Asset	
Capital Reserve Fund	175,000
Bond Proceeds	
Property Tax	
Total	**175,000**
Impact on Operating Budget:	
Personnel	
Maintenance	
Insurance	
Utilities	
Total	**0**
Project Period:	
2014-15	
2015-16	
2016-17	
2017-18	
2018-19	
2019-20	175,000
2020-21	
Total	**175,000**

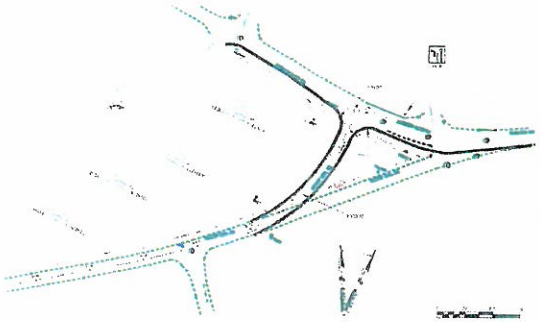
Turkey Hill Road Intersection Improvements

The Turkey Hill Road intersection with Baboosic Lake road is poorly aligned. This project will improve safety by realigning the intersection.

There have been 15 accidents at the existing intersection from the period of January 1, 2005 to September 18, 2012. Of those, twelve involved property damage, four resulted in personal injury, and one was uninvestigated (parties came to PD to report accident).

Two design concepts are being considered: Curve the end of Turkey Hill Road to align at a 90 degree angle to Baboosic Lake Road, or a roundabout intersection.

Aerial View of Turkey Hill Rd/ Baboosic Lake Rd Intersection.



Curved Road w/Stop Intersection

Roundabout Intersection.

Capital Improvements Program

PROJECT REQUEST FORM

Project: Griffin Street Boat ramp Access Improvement

Project same as reflected in prior CIP? Yes: X No:

If No, indicate area of significant change reflected and briefly explain why the changes have been made: Cost: Year: Scope: None: (Check all that apply).

New Project.

Explanation and Need: See attached information sheet.

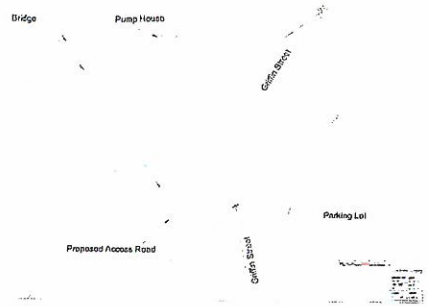
Estimated Cost:	
Design (Complete)	0
Engineering - including wetlands mitigation, ROW acquisitions, permits	2,000
Construction	65,000
Equipment	
Trade-In Allowance	
Total	**67,000**
Financing:	
Federal/State Grant	
Private Grant	
User Fees (Sewer/Water)	
Sale of Replaced Asset	
Capital Reserve Fund	67,000
Bond Proceeds	
Property Tax	
Total	**67,000**
Impact on Operating Budget:	
Personnel	
Maintenance	
Insurance	
Utilities	
Total	**0**
Project Period:	
2014-15	
2015-16	
2016-17	
2017-18	
2018-19	
2019-20	67,000
2020-21	
Total	**67,000**

Griffin Street Boat Ramp Access Improvement

The Griffin Street Boat Ramp is set to be improved by the State once funding is available. Another stipulation prior to the improvement is that the access from Griffin Street to the access Road be improved.

Aerial View of access to boat ramp from Griffin Street.

Currently, the access road intersects Griffin Street at a 20 degree angle. The Public Works department has developed a proposed realignment that would allow the access road to intersect with Griffin Street at a 90 degree angle. The proposal results in a 14' paved access road with a maximum grade of 12% down to the opening for the railroad bridge overpass.



Proposed access realignment.

Additional scope for the project could be to improve the road between the railroad bridge and the boat ramp. The current road consists of very fine sand that is prone to rutting and potholes. Reconstructing to include an upgrade to a crushed gravel road could add approximately $50,000 to the project.

Griffin Street Boat Ramp at Merrimack River.

Capital Improvements Program
PROJECT REQUEST FORM

Project: Souhegan River Boat Ramp Access Improvement

Project same as reflected in prior CIP? Yes: X No:

If No, indicate area of significant change reflected and briefly explain why the changes have been made: Cost: Year: Scope: None: (Check all that apply).

New Project.

Explanation and Need: See attached information sheet.

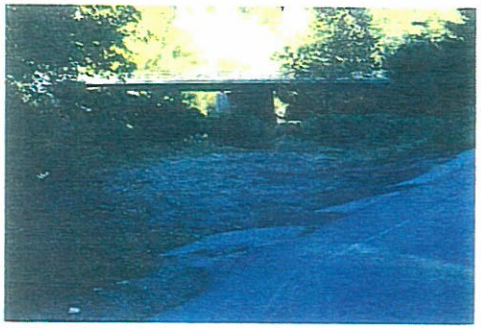
Estimated Cost:	
Design (Complete)	
Engineering - including wetlands mitigation, ROW acquisitions, permits	
Construction	50,000
Equipment	
Trade-In Allowance	
Total	**50,000**
Financing:	
Federal/State Grant	
Private Grant	
User Fees (Sewer/Water)	
Sale of Replaced Asset	
Capital Reserve Fund	50,000
Bond Proceeds	
Property Tax	
Total	**50,000**
Impact on Operating Budget:	
Personnel	
Maintenance	
Insurance	
Utilities	
Total	**0**
Project Period:	
2014-15	
2015-16	
2016-17	
2017-18	
2018-19	
2019-20	50,000
2020-21	
Total	**50,000**

Seaverns Bridge Canoe Launch

The canoe launch at Seaverns Road has experienced significant erosion of the Souhegan River bank, making it difficult for people to access the river with their canoes.

The project would seek to improve drainage in the area to prevent future problems, make parking access easier, and repair the river bank in a manner that allows access to the river by canoeists.

The project would be done in coordination with the Souhegan River Local Advisory Committee (SoRLAC).



View from Seaverns Bridge road looking west.

View from Seaverns Bridge looking east.

One of the large eroded areas.

Capital Improvements Program
PROJECT REQUEST FORM

Project:Chamberlain Bridge Rehabilitation / Sidewalk Repairs

Project same as reflected in prior CIP? Yes: No: X

If No, indicate area of significant change reflected and briefly explain why the changes have been made: Cost: X Year: Scope: None: (Check all that apply).

New Project.

Explanation and Need: See attached information sheet.

Estimated Cost:	
Design (Complete)	
Engineering - including wetlands mitigation, ROW acquisitions, permits	
Construction	636,000
Equipment	
Trade-In Allowance	
Total	**636,000**
Financing:	
Federal/State Grant	436,000
Private Grant	
User Fees (Sewer/Water)	
Sale of Replaced Asset	
Capital Reserve Fund	200,000
Bond Proceeds	
Property Tax	
Total	**636,000**
Impact on Operating Budget:	
Personnel	
Maintenance	
Insurance	
Utilities	
Total	**0**
Project Period:	
2014-15	
2015-16	
2016-17	
2017-18	636,000
2018-19	
2019-20	
2020-21	
Total	**636,000**

Chamberlain Bridge Rehabilitation/Sidewalk Repairs

The Chamberlain Bridge (DW Highway over the Souhegan River) in a concrete arch bridge with block granite facing. The bridge was built in 1921 and rehabbed in 1934. It carries an AADT of 19,000 vehicles.

The mortar joints in the granite facing are failing and need to be rehabilitated. The approach sidewalk on the northeast end is a cantilever design and is failing – several 20' x 10' steel plates were placed in 2007 and 2014 to maintain sidewalk access.

Preliminary design has been completed by Public Works for the riverwalk trail from Watson Park to the sluiceway as part of this project. A retaining wall to support the failing sidewalk and removal of the existing concrete water pens are necessary for this project. Public Works applied for a Federal TAP grant this fall that, if granted, would aid in funding the trail project and allow for the full sluiceway connection to the pedestrian bridge adjacent to the Merrill's Marauders Turnpike bridge. NHDOT will notify the Town of the grant decision in January 2015.

Failing mortar joints.

Cantilever sidewalk looking south.

Steel plates on sidewalk at north end of bridge.

Capital Improvements Program
PROJECT REQUEST FORM

Project: Sewer Line Extension - Sunset Shores

Project same as reflected in prior CIP? Yes: No:

If No, indicate area of significant change reflected and briefly explain why the changes have been made: Cost: Year: Scope: None: (Check all that apply).

NEW PROJECT

Explanation and Need: See attached information sheet.

Estimated Cost:	
Design	90,000
Engineering - including wetlands mitigation, ROW acquisitions, permits	100,000
Construction	1,100,000
Equipment	
Trade-In Allowance	
Total	**1,290,000**
Financing:	
Federal/State Grant	
Merrimack Village District - Water Line ($260,000)	
User Fees (Sewer/Water)	
Sale of Replaced Asset	
Capital Reserve Fund (Sewer Line Extension Capital Reserve)	868,000
Capital Reserve Fund (Road Infrastructure)	300,000
Property Tax (Infrastructure account 01-08-8505-0) See Paving Project Sheet	150,000
Total	**1,318,000**
Impact on Operating Budget:	
Personnel	
Maintenance	
Insurance	
Utilities	
Total	**0**
Project Period:	
2014-15	1,318,000
2015-16	
2016-17	
2017-18	
2018-19	
2019-20	
2020-21	
Total	**1,318,000**

Sunset Shores Sewer, Drainage, Road Improvements

Sunset Drive, Dawn Avenue, Ingham Road, Morningside Avenue and Highnoon Avenue, in coordination with Public Works and Merrimack Village District will be reconstructed. The following areas of concern will be addressed:

Road Condition: The PCI for Sunset and Dawn are 20 and 48 respectively. Highnoon is barely a passable road for plow trucks in the winter. All of the roads are substandard in width.

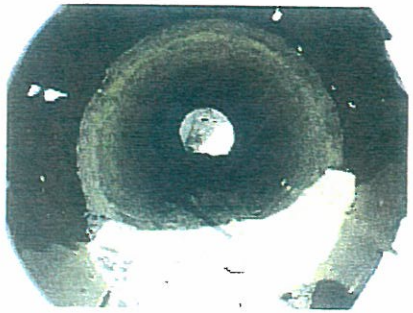
Sewer: The recently completed sewer master plan (Feb. 2013) identified this area as the top priority for sewer expansion (Naticook Lake East Collector Sewers). The project would sewer approximately 45 residential houses near Naticook Lake.

Stormwater: The project would identify and alleviate drainage issues in the area that cause erosion that leads to Naticook Lake.

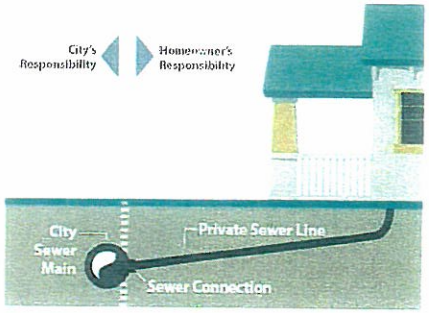
Water: Merrimack Village District has expressed interest in adding waterline to this area should it be coupled with other Public Works projects.

Naticook Lake was added to the NHDES List of Impaired or Threatened Waters List (305(b)) in 2010 for E. Coli. Untreated septic waste is a cause of high E. Coli levels. Adding proper sewer and drainage to this area will help to protect Naticook Lake in the future.

Wastewater Facility



Collection System Pipe



Wastewater Connection - Homes

Capital Improvements Program
PROJECT REQUEST FORM

1. Description of Project: Repaving of Library Parking Lot

2a. Was this same project reflected in the prior CIP? No

2b. If 2a = yes, indicate areas of significant changes reflected in this Project Request Form and briefly explain why the changes have been made: cost __; year _; scope __; none __ **(check all that apply)**

Explanation: Library lot has many potholes and major cracks that can no longer simply be sealed, according to the vendors we spoke with when calling to schedule a sealing.

3. Expected Useful Life:

4. Explanation of Need: The Library lot has many potholes and major cracks that can no longer simply be sealed. We are thankful for the help that the DPW has provided to do minor repairs so far, but realize that this is a temporary solution until the lot can be properly repaved.

5. Estimated Cost:	
Design	45,000
Engineering	-
Construction	-
Equipment	-
Bond issue costs	-
Temporary housing	-
Total	-
	-
6. Financing:	
Federal/State Grant	
Private Grant	-
User Fees (Sewer/Water)	-
Sale of Replaced Asset	-
Capital Reserve Fund	-
Bond Proceeds	-
Property Tax	-
Total	-
	-
7. Impact on Operating Budget:	
Personnel	
Maintenance	-
Insurance	-
Utilities	-
Total	-
	-
8. Project Period:	
2014-15	
2015-16	-
2016-17	-
2017-18	45,000
2018-19	-
2019-20	-
2020-21	-
Total	-
	45,000

Capital Improvements Program
PROJECT REQUEST FORM

1. Description of Project: HVAC Upgrade

2a. Was this same project reflected in the prior CIP? No

2b. If 2a = yes, indicate areas of significant changes reflected in this Project Request Form and briefly explain why the changes have been made: cost __; year _; scope __; none __ **(check all that apply)**

Explanation: HVAC system upgrade to accommodate changing technology in that system

3. Expected Useful Life:

4. Explanation of Need: HVAC system runs on older and outdated technology; spot repairs are expensive as current fixtures are not fitted with the HVAC technology that exists in that field.

5. Estimated Cost:	100,000
Design	-
Engineering	-
Construction	-
Equipment	-
Bond issue costs	-
Temporary housing	-
Total	-
6. Financing:	
Federal/State Grant	-
Private Grant	-
User Fees (Sewer/Water)	-
Sale of Replaced Asset	-
Capital Reserve Fund	-
Bond Proceeds	-
Property Tax	-
Total	-
7. Impact on Operating Budget:	
Personnel	-
Maintenance	-
Insurance	-
Utilities	-
Total	-
8. Project Period:	
2014-15	-
2015-16	-
2016-17	
2017-18	-
2018-19	-
2019-20	-
2020-21	100,000
Total	100,000

Capital Improvements Program
PROJECT REQUEST FORM

1. Description of Project: Dry Fire Sprinkler System Upgrade

2a. Was this same project reflected in the prior CIP? No

2b. If 2a = yes, indicate areas of significant changes reflected in this Project Request Form and briefly explain why the changes have been made: cost __; year _; scope __; none __ **(check all that apply)**

Explanation: Dry Fire Sprinkler system is older technology and leaks.

3. Expected Useful Life:

4. Explanation of Need: Dry Fire Sprinkler system runs on older and outdated technology; spot repairs are expensive as leaks are common and unpredictable.

5. Estimated Cost:	100,000
Design	-
Engineering	-
Construction	-
Equipment	-
Bond issue costs	-
Temporary housing	-
Total	-
6. Financing:	
Federal/State Grant	-
Private Grant	-
User Fees (Sewer/Water)	-
Sale of Replaced Asset	-
Capital Reserve Fund	-
Bond Proceeds	-
Property Tax	-
Total	-
7. Impact on Operating Budget:	
Personnel	-
Maintenance	-
Insurance	-
Utilities	-
Total	-
8. Project Period:	
2014-15	-
2015-16	-
2016-17	
2017-18	-
2018-19	-
2019-20	-
2020-21	100,000
Total	100,000

Capital Improvements Program
PROJECT REQUEST FORM

Project: Executive Park Dr. pump station

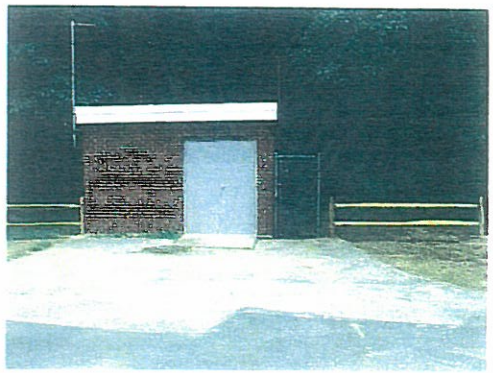
Project same as reflected in prior CIP? Yes: No: X

If No, indicate area of significant change reflected and briefly explain why the changes have been made: Cost: X Year: FY 19/20 Scope:

Explanation and Need: See attached information sheet

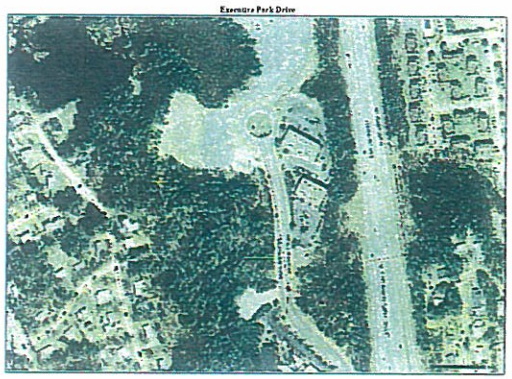
Estimated Cost:	
Design	156,000
Engineering -	156,000
Construction	624,000
Contingency	104,000
Trade-In Allowance	
Total	**1,040,000**
Financing:	
Federal/State Grant	
Private Grant	
User Fees (Sewer/Water) State Revolving Loan Fund or Bond	1,040,000
Sale of Replaced Asset	
Capital Reserve Fund	
Bond Proceeds	
Property Tax	
Total	**1,040,000**
Impact on Operating Budget:	
Personnel	0
Maintenance	2,500
Insurance	500
Utilities	4,000
Total	**7,000**
Project Period:	
2014-15	
2015-16	
2016-17	
2017-18	
2018-19	
2019-20	
2020-21	1,040,000
Total	**1,040,000**

Executive Park Drive Pump Station



This is a new pump station that will replace an inaccessible section of cross country sewer that was installed in the 1980's as a temporary solution to sewer the Executive Park Drive area as well as the sewer system located on Turkey Hill Rd.(Olympic Village), Bon Ave., JoEleen Dr., Forsythia Ln., and Bigwood Dr. The sewer in question runs under the F.E. Everett Turnpike to the Rt. 3 sewer near King Kone Ice Cream. Flow would be pumped to the 24" sewer line on Continental Blvd. This pump station is recommended in the Sewer Master Plan.

In addition, the existing pipe capacity would be exceeded if Projects 27, 29, 30 and 34 were built as recommended in the Sewer Master Plan.



The estimated cost for this station including engineering is $1,040,000.

PWD proposes to have this project funded in FY 2020-21.

Capital Improvements Program
PROJECT REQUEST FORM

Project: Sawdust

Project same as reflected in prior CIP? Yes: No: X

If No, indicate area of significant change reflected and briefly explain why the changes have been made: Cost: Year: FY 17/18 Scope:

Explanation and Need: See attached information sheet

Estimated Cost:	
Design	
Engineering -	
Construction	
Contingency	
Trade-In Allowance	
Total	**160,000**
Financing:	
Federal/State Grant	
Private Grant	
User Fees (Sewer/Water) State Revolving Loan Fund or Bond	**160,000**
Sale of Replaced Asset	
Capital Reserve Fund	
Bond Proceeds	
Property Tax	
Total	**160,000**
Impact on Operating Budget:	
Personnel	
Maintenance	
Insurance	
Utilities	
Total	**0**
Project Period:	
2014-15	
2015-16	
2016-17	
2017-18	
2018-19	**160,000**
2019-20	
2020-21	
Total	**160,000**

2014-21 CAPITAL IMPROVEMENT PROGRAM

Presented to the
Merrimack Town Council
December 4, 2014

Minimum CRF Funding

Ambulance	50,000
Athletic Field Development	-
Communications Equipment	20,000
Computer Equipment	50,000
DW Highway Intersection Improvements	25,000
Fire Equipment	150,000
Highway Equipment	275,000
Land Bank	-
Landfill	-
Library Construction	-
Library Bld Maintenance	TBD
Playground Equipment	-
Real Estate Reappraisal	15,000
Road Improvements	-
Salt Shed	-
Sewer Line Extension	-
Road Infrastructure CRF	400,000
Solid Waste Disposal	75,000
Fire Station	-
Traffic Signal Pre-emption System	-
Total property tax financing of capital reserve fund transfers	1,060,000
Sewer Fund	
Sewer Infrastructure Improvements	50,000
Expendable Trust Funds	
Milfoil	-
Total CRF & Expendable Trust Funds	1,110,000

2014-21 CRF Funding Projections

	Historic Funding					Projected Funding					
Capital Reserve Fund	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Ambulance	50,000	50,000	50,000	12,000	50,000	60,000	75,000	80,000	80,000	80,000	80,000
Athletic Field Development	-	-	-	-	-	-	-	-	-	-	-
Communications Equipment	-	-	10,000	10,000	25,000	200,000	185,000	185,000	25,000	25,000	25,000
Computer Equipment	5,000	-	35,000	35,000	35,000	35,000	75,000	75,000	75,000	50,000	50,000
DW Highway Intersection Improvements	-	25,000	25,000	25,000	50,000	50,000	75,000	75,000	75,000	75,000	75,000
Fire Equipment	100,000	100,000	100,000	100,000	75,000	125,000	175,000	250,000	251,000	250,000	250,000
Highway Equipment	168,000	176,960	250,000	300,000	300,000	300,000	300,000	350,000	400,000	400,000	400,000
Land Bank	-	-	-	-	-	-	-	-	-	-	-
Landfill	-	-	-	-	-	-	-	-	-	-	-
Library Bld Maintenance	2,000	2,000	2,000	2,000	17,000	10,000	45,000	45,000	45,000	50,000	50,000
Playground Equipment	-	-	-	-	-	-	-	-	-	-	-
Real Estate Reappraisal	-	-	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
Salt Shed	-	-	-	-	-	-	-	-	-	-	-
Sewer Line Extension	-	-	-	-	-	-	-	-	-	-	-
Road Infrastructure CRF	-	185,000	400,000	400,000	400,000	600,000	600,000	600,000	600,000	600,000	600,000
Solid Waste Disposal	40,000	-	50,000	75,000	75,000	75,000	100,000	125,000	150,000	150,000	150,000
Fire Station	-	-	-	-	-	-	-	-	-	-	-
GIS					10,000	65,000	65,000	65,000	20,000	20,000	20,000
Traffic Signal Pre-emption System	-	-	-	-	-	10,000	20,000	20,000	-	-	-
Capital Reserve Fund Transfers	365,000	538,960	937,000	974,000	1,052,000	1,545,000	1,730,000	1,885,000	1,736,000	1,715,000	1,715,000
Expendable Trust Funds											
Milfoil	-	-	-	-	25,000	15,000	10,000	10,000	25,000	10,000	10,000
Total property tax financing	365,000	538,960	937,000	974,000	1,077,000	1,560,000	1,740,000	1,895,000	1,761,000	1,725,000	1,725,000
Sewer Fund											
Sewer Infrastructure Improvements	350,000	225,000	25,000	25,000	25,000	75,000	75,000	75,000	100,000	100,000	100,000
Total CRF & Expendable Trust Funds	715,000	763,960	962,000	999,000	1,102,000	1,635,000	1,815,000	1,970,000	1,861,000	1,825,000	1,825,000

2015-16 Projected CRF Funding

	2014-15	2015-16	Diff
Ambulance	50,000	60,000	10,000
Athletic Field Development	-	-	-
Communications Equipment	25,000	200,000	175,000
Computer Equipment	35,000	35,000	-
DW Highway Intersection Improvements	50,000	50,000	-
Fire Equipment	75,000	125,000	50,000
Highway Equipment	300,000	300,000	-
Land Bank	-	-	-
Landfill	-	-	-
Library Bld Maintenance	17,000	10,000	(7,000)
Playground Equipment	-	-	-
Real Estate Reappraisal	15,000	15,000	-
Road Improvements	-	-	-
Salt Shed	-	-	-
Sewer Line Extension	-	-	-
Road Infrastructure CRF	400,000	600,000	200,000
Solid Waste Disposal	75,000	75,000	-
GIS CRF	10,000	65,000	55,000
Fire Station	-	-	-
Traffic Signal Pre-emption System	-	10,000	10,000
Total property tax financing of capital reserve fund transfers	1,052,000	1,545,000	493,000
Expendable Trust Funds			
Milfoil	25,000	15,000	(10,000)
Total General Fund	1,077,000	1,560,000	483,000
Sewer Fund			
Sewer Infrastructure Improvements	25,000	75,000	50,000
Total CRF & Expendable Trust Funds	1,102,000	1,635,000	533,000

Major Projects General Fund

No	Department	Project Description		Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
1	Fire	South Fire Station ($3,105,000)	R	Fire Station CRF (South)	60,000	-	-	200,000	-	-	-
				Bond	-	-	-	2,195,000	-	-	-
				Private Donation	-	-	-	650,000	-	-	-
2	Admin/Engineering	Bridge Replacement - McGaw Bridge Rd. ($1,650,000)	R	Road Infrastructure CRF	330,000	-	-	-	-	-	-
				State Funding	1,320,000	-	-	-	-	-	-
3	Admin/Engineering	Bridge Replacement - Bean Road ($1,600,000)	R	Road Infrastructure CRF	-	320,000		-	-	-	-
				State Funding	-	1,280,000	-	-	-	-	-
4	Admin/Engineering	Bridge Replacement - Bedford Rd./Baboosic Brook ($2,727,500)	R	Road Infrastructure CRF	-	-	545,500		-	-	-
				State Funding	-	-	2,182,000	-	-	-	-
5	Admin/Engineering	Bridge Replacement - US 3 (DW Highway)/Baboosic Brook ($2,520,000)	R	Road Infrastructure CRF	-	-	-	-	504,000		-
				State Funding	-	-	-	-	2,016,000	0	-
6	Admin/Engineering	Stormwater Drainage Improvements ($100,000/$200,000)	R	Road Infrastructure CRF	100,000	100,000	100,000	100,000	100,000	200,000	200,000
7	Admin/Engineering	Paving - Infrastructure Improvements ($800,00 to $1,000,000)	R	Road Improvement (Registration Fee)	135,000	125,000	125,000	125,000	125,000	125,000	125,000
				Budget	665,000	675,000	675,000	675,000	675,000	675,000	675,000
8	Admin/Engineering	Paving - Infrastructure Improvements ($300,000) Gravel Roads	R	Road Infrastructure CRF	-	-	-	-	-	-	300,000
9	Admin/Engineering	Paving - DW Highway ($400,000)	R	DW Highway CRF	-	400,000	-	-	-	-	-
				Offset by Developer Fees	-	-	-	-	-	-	-
10	Admin/Engineering	Paving - Infrastructure Improvements Executive Park Drive ($150,000)	R	Road Infrastructure CRF	-	-	-	-	-	-	150,000
11	Highway	Highway Garage Renovation & Replacement ($3,300,000)	R	Bond	-	-	3,300,000	-	-	-	-
12	Admin./Engineering	Wire Road Intersection Improvements ($500,000)	R	Road Infrastructure CRF	-	-	-	-	477,000	-	-
				Offset by Developer Fees	-	-	-	-	23,000	-	-
13	Admin./Engineering	Turkey Hill & Baboosic Intersection ($175,000)	R	Road Infrastructure CRF	-	-	-	-	-	175,000	-
14	Admin/Engineering	Griffin Street Boat Ramp Access Improvement ($67,000)	R	Road Infrastructure CRF	-	-	-	-	-	67,000	-
15	Admin/Engineering	Seaverns Bridge Canoe Launch Ramp Access Improvement ($50,000)	R	Road Infrastructure CRF				-		50,000	
16	Admin/Engineering	Chamberlain Bridge Rehabilitation/Sidewalk ($636,000)	R	Road Infrastructure CRF	-	-	-	200,000	-	-	-
				State Grant	-	-	-	436,000	-	-	-
17	Admin/Engineering	Sewer Line Extension Sunset Shores ($1,318,000)	A	Sewer Line Ext. CRF	868,000	-	-	-	-	-	-
				Road Infrastructure CRF	300,000	-	-	-	-	-	-
				MVD (water line) ($260,000)	-	-	-	-	-	-	-
				Budget Pavement 8505	150,000	-	-	-	-	-	-
18	Library	Parking Lot Repaving/Walkway	R	Library Maintenance CRF	-	-	45,000	-	-	-	
19	Library	HVAC	R	Library Maintenance CRF							100,000
20	Library	Sprinkler System	R	Library Maintenance CRF							100,000
21	Library	New Library (place holder)	R	Bond	-	-	-	-	-	-	6,000,000
22	Parks & Recreation	New Athletic Fields (place holder)	A	Bond	-	-	-	-	-	-	2,000,000
	TOTAL GENERAL FUND				3,928,000	2,900,000	6,972,500	4,581,000	3,920,000	1,292,000	9,650,000

Major Projects Funding Sources

Funding Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
CRF	1,808,000	820,000	690,500	500,000	1,081,000	492,000	850,000
Funded through Budget	665,000	675,000	675,000	675,000	675,000	675,000	675,000
Bonds	-	-	3,300,000	2,195,000	-	-	8,000,000
Developer Fees	-	-	-	-	23,000	-	-
Road Improvement (RSA261:153)	135,000	125,000	125,000	125,000	125,000	125,000	125,000
Private Donation	-	-	-	650,000	-	-	-
State Aid	1,320,000	1,280,000	2,182,000	436,000	2,016,000	-	-
User Fees/Bonds	-	-	-	-	160,000	8,920,000	1,040,000
	3,928,000	2,900,000	6,972,500	4,581,000	4,080,000	10,212,000	10,690,000

Bridge Projects

DPW Bridge Projects (2008 – 2019)

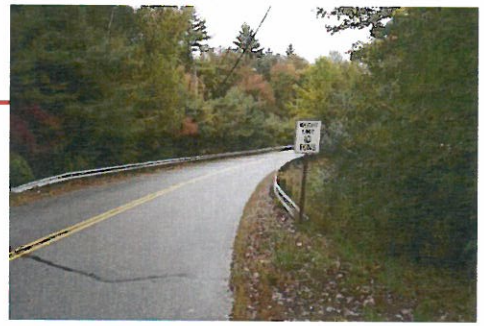
Project	Year	Engineering & Construction ($)	Town/NHDOT % Share	Total Town Cost
Bedford Road (near Joppa Rd.)	2008	1,719,000	20/80	343,800
Turkey Hill Road	2012	2,206,000	0/100	-
Amherst Road	2012	390,000	100 (Town)	390,000
Wire Road	2013	1,035,000	20/80	207,000
Manchester Street	2014	2,609,000	5/15/80 (Nashua 15%)	130,450
McGaw Road	2015	1,647,000	20/80	329,400
Bean Road	2016	1,570,000	20/80	314,000
Bedford Road (near Pearson Rd.)	2017	2,556,000	20/80	511,200
US Route 3 (DW)	2019	2,520,000	20/80	504,000
Total		**16,252,000**		**2,729,850**

Bridge Replacement – Bean Road

Bean Road bridge over Baboosic Brook (072/115) was constructed in 1981. The bridge is a multi-plate steel arch bridge with a span of 21 feet and a width of 27 feet.

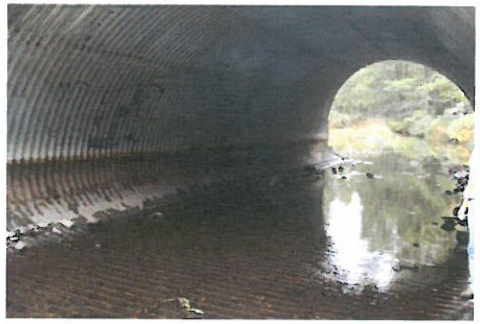
Recently the Bean Road Bridge over the Baboosic Brooke was inspected by the NHDOT and was down graded to a posted weight limit of 10 tons due to corrosion at the water line.

NHDOT has moved this bridge up in the State Aid bridge program due to its condition. Design is expected to begin fall of 2014 with construction anticipated for 2015/2016. NHDOT will reimburse 80% of design and construction costs under the State Aid bridge program.



Bean Road looking east.

View of inlet from above.



Inside pipe arch – note corrosion at spring line.

STORMWATER DRAINAGE IMPROVEMENTS

The Public Works Department maintains a prioritized list of drainage improvement projects. The list is updated twice each year. Projects are scored based on criteria in 4 subject areas – Public Health and Safety; Private Property Impacts; Public Property Impacts; and Secondary Factors. Projects are also classified as a Highway Division project, a Contractor project, or a combination of the two.

Anticipated projects for the FY 15/16 construction season are:

- ☐ Turkey Hill Road near McQuestion
- ☐ DW Highway/Naticook Brook
- ☐ Burt Street and Valleyview Drive
- ☐ Amherst Road
- ☐ Wilson Hill Road
- ☐ Executive Park Drive
- ☐ Thornton Road West
- ☐ Town wide Basin Repairs

Roadway & Driveway Damage.

Street Flooding.

Sink Holes.

PAVING / INFRASTRUCTURE IMPROVEMENTS

The Public Works Department maintains over 475 roads totaling approximately 180 centerline miles. The Department uses a pavement management database in which physical road distresses for each road are tabulated to derive a PCI (Pavement Condition Index) for each public road. This data, along with traffic volumes, drainage/sewer projects, funding, and other factors are used to develop the paving/infrastructure improvement program for the year.

All or part of the following roads were paved during the past five years:

2015 –Baboosic Lake Road (DW Highway to O'Gara Drive),Wire Road (DW Highway to Bedford Road), Danforth, Cummings, Hassell, Hutchinson, Cowin

2014 – Hillside Terrace, Majestic Lane, Old Kings Road, Regal Drive, Caron Street, Herrick Street, King Street, Bryce Drive, Berry Lane, Mitchell Street, Seaverns Bridge Road, Coles Rock Road, Cramer Hill Road.

Paving Binder on Reclaimed Base.

New Lane Lines on Pavement.

Alligator Cracked Roadway.

Paving Continued

2013 – Patten Road, Wilson Hill Road, Turkey Hill Road, Henry Clay Drive, John Tyler Road, Drouin Way, Leblanc Lane, Davidson Avenue, Piedmont Avenue, Riverside Drive, Mast Road.

2012 – Reeds Ferry Way, Paige Drive, Level Street, Lyons Road, Merrill Road, Bates Road, Marty Drive, Linden Way, Stonedge Way, Lamson Drive, Sands Terrace, Winchester Drive, Westborn Drive, May Drive, Lawrence Road, McQuestion Road, Joppa Road.

2011 - DW Highway, Continental Boulevard, Amherst Road, Baboosic Lake Road, Railroad Avenue, Beaverbrook Drive, King Henry Court, Samuel J Drive, Naticook Road, Currier Road, Souhegan Drive, Birch Street, Fir Street, Hemlock Street, Tiffany Lane, Pinehaven Drive.

2010 - Palmeri Drive, Gerard Drive, Rushmore Court, Royal Court, Eden Street, Park Avenue, Forsythia Lane, DW Drive, Island Drive, Tennis Court, Liberty Lane, Bristol Street, Matthew Drive, Woodridge Road, Brewster Street, Audubon Circle, Allen Road, Hilton Drive, Butternut Lane, Hickory Lane, Baboosic Lake Road, Bean Road, Peaslee Road, Boston Post Road, Thornton Road West, Turkey Hill Road.

PAVING DW HWY

(Chamberlain Bridge to Reeds ferry Lumber) The Town of Merrimack is responsible for maintenance on the Class IV section of Daniel Webster Highway which runs from Greeley Street to Bedford Road.

In 2011, the Town rehabilitated the section from Greeley Street to the Chamberlain Bridge over the Souhegan River. In FY 15/16, Public Works plans to rehabilitate the remaining stretch from the Chamberlain Bridge to Reeds ferry Lumber where needed. The timing of the FY 15/16 work is scheduled to coordinate with the completion of other work along the corridor including traffic signal upgrades at Baboosic Lake Road and Front Street.

2011 traffic counts along the corridor range from 13,000 to 16,000 AADT.

DW Highway Paving

DW Pavement Grinding

DW Repair Prior to Paving

PAVING / INFRASTRUCTURE IMPROVEMENTS

Executive Park Drive was constructed in 1979 as a parkway with 25-26' travel ways and medians resulting in a road width of approximately 66 feet. The road has a current PCI of 54.

Executive Park Drive is wider than necessary for the traffic volumes carried. The medians, though installed to enhance the appearance of the road, have become an eyesore and a maintenance burden. The large impervious area contributes runoff to Naticook Brook which flows into Horseshoe Pond, which is on the NHDES list of impaired or threatened waters.

Public Works plan is to remove the medians and narrow the pavement to a 12' travel way with 8' shoulders. Doing so will accomplish the following:

- Reduce impervious area by nearly 50,000 SF
- Allow for grass ditchlines to treat stormwater prior to entering closed system that outfalls to Naticook Brook
- Maintain sufficient width for parallel parking for local businesses
- Reduce pavement overlay cost by 35%
- Move traffic away from double catch basin grates

Executive Park Drive looking north toward Cinemagic

Double CB grates.

Minor Projects

No	Department	Year	Replace SCH	Model		Funding Source		2014/15	2015/16	2016/17
1	Communications			Radio Base Stations	R	Communication CRF		-	54,000	-
2	Communications			Communications Recorder	R	Communication CRF		20,000	-	-
3	Fire (Operations) A2 (220)	2005	100k (miles)	F450 Ambulance A2 (220)	R	Ambulance CRF		-	200,000	-
4	Fire (Operations) SCBA		EOL	Emergency Breathing Air (SCBA) Replacements	R	Fire Equip CRF		-	82,334	82,334
5	Fire (Operations)		EOL	Cardiac Defibrillator/Monitor/Transmitter	R	Fire Equip CRF		35,000	30,000	-
6	Fire Command Vehicle C3	2000		Fire Command Vehicle (104) (Asst Chief Operations)	R	Fire Equip CRF		35,000	-	-
7	Highway	2001	10 yr	6 Wheel Dump H-31	R	Highway Equip CRF		-	155,000	-
8	Highway	2003	10 yr	Loader H-16	R	Highway Equip CRF		-	150,000	-
9	Highway	2002	10 yr	6 Wheel Dump H-24	R	Highway Equip CRF		150,000	-	-
10	Highway	2002	10 yr	6 Wheel Dump H-25	R	Highway Equip CRF		150,000	-	-
11	Highway	2002	10 yr	Tractor H-41	R	Highway Equip CRF		90,000	-	-
12	Highway	2003	10 yr	Mower, Exmark	R	Budget		12,000	-	-
13	Police	Var		Patrol Vehicles	R	Budget		124,000	106,000	126,000
14	Solid Waste Disposal	1990	20yr	Stake-Body Truck	R	Solid Waste CRF		-	30,000	-
15	Technology			Licenses	R	Computer CRF		50,000	35,000	30,000

Minor Project Continued

No	Department	Year	Replace SCH	Model		Funding Source		2014/15	2015/16	2016/17
16	Solid Waste Disposal	2005	10 yr	100 CY Trailers (4)	R	Solid Waste CRF		-	-	70,000
17	Solid Waste Disposal		20 yr	Landfill Slope Mower	N	Solid Waste CRF		-	-	45,000
18	Highway	2002	10 yr	6 Wheel Dump H-21	R	Highway Equip CRF		-	-	160,000
19	Highway	2005	10 yr	Utility Vehicle H-43	R	Highway Equip CRF		-	-	125,000
20	Highway	2006	10 yr	3/4 T Pickup H-2	R	Highway Equip CRF		-	-	35,000
21	Highway	1988	25 yr	Trailer	R	Highway Equip CRF		-	-	15,000
22	Highway	2004	10 yr	Mower, Exmark	R	Budget		-	-	12,000
23	Fire (Operations) SOT3		20 yrs	Trailer Emergency Management Shelter Equipment	A	Fire Equip CRF		-	-	~~15,000~~
24	Fire (Operations) Radios		EOL	Communications (Radios)	R	Fire Equip CRF		-	-	75,000
25	Fire (Operations) F1	1988	27 yrs	Pickup (1 ton) Forestry Truck F1 (208)	R	Fire Equip CRF		-	-	40,000
26	Fire (Operations) B2	1994	20 yrs	Boat Inflatable B2 (207)	R	Fire Equip CRF		-	-	~~35,000~~
27	Fire (Building Division)BO		Old PD	Building Official Vehicle (166) (Used)	R	Budget		-	-	15,000
28	Community Development			GIS Update & Maintenance Program	R	GIS CRF		-	-	160,000
29	Assessing			Revaluation	R	Revaluation CRF		-	-	75,000
						General Fund Totals		666,000	842,334	1,115,334

Minor Projects Cont.

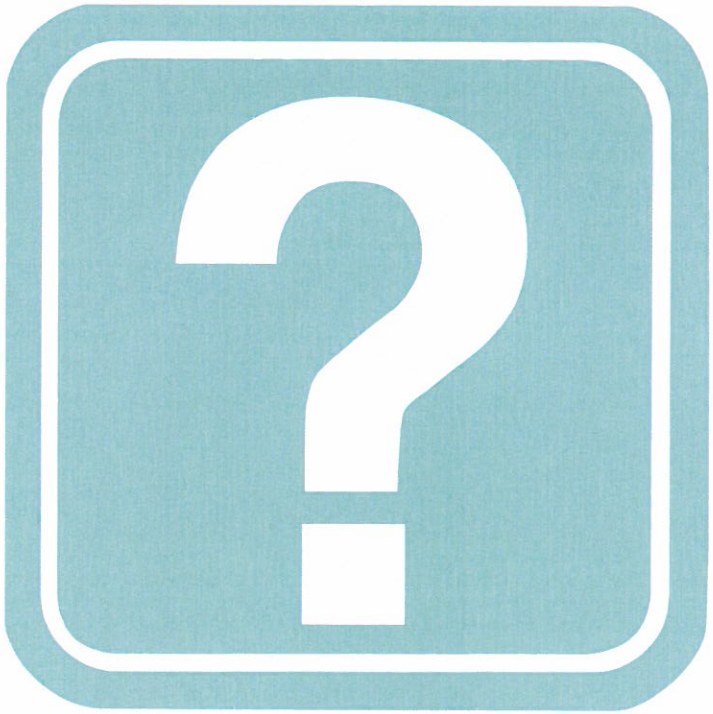
WWTF

Department	Year	Replace SCH	Model		Funding Source		2014/15	2015/16	2016/17
Wastewater Treatment	2014	25	Thorntons Ferry Pump Station grinder	R	User Fees		50,000	-	-
Wastewater Treatment			Manhole/Sewer Line Rehabilitation	R	User Fees		25,000	75,000	25,000
Wastewater Treatment			3-Sets replacement tires for 938 front end loaders	R	User Fees		-	-	12,000
Wastewater Treatment			CMOM X-Country Sewer System Easement Recovery-Phase III	A	User Fees		-	-	20,000
Wastewater Treatment	2002	15	Camera/Sewer Maintenance E-350 Cut Away truck 16' box	R	User Fees		-	-	32,000
Wastewater Treatment	2005	10	F250	R	User Fees		-	35,000	-
Wastewater Treatment	2016	20	Bobcat Toolcat, trailer and accessories-X Country Sewer Maintenance	A	User Fees		-	75,000	-
							75,000	185,000	89,000

Cable Franchise Fees

Department	Year	Replace SCH	Model		Funding Source		2014/15	2015/16	2016/17
Cable Television			Other CATV Equipment	R	Franchise Fees		10,000	10,000	10,000
Cable Television			Additional Lighting	R	Franchise Fees		10,000	-	-
Cable Television			Software and Licenses	R	Franchise Fees		10,000	-	-
Cable Television			Matthew Thornton Conference room Upgrades	A	Franchise Fees		10,000		
Cable Television			Town Hall Memorial Conference Room Equipment	R	Franchise Fees		-	20,000	-
Cable Television			Media Staff Hardware	R	Franchise Fees		-	10,000	-
Cable Television			Public Access Cameras and Audio Equipment	R	Franchise Fees		-	5,000	-
Cable Television			Lower Power FM Equipment	R	Franchise Fees		-	-	20,000
Cable Television			Public Access Studio Lighting	R	Franchise Fees		-	-	10,000
Cable Television			Public Access Editing Systems	R	Franchise Fees		-	-	10,000
Total CATV FUND							40,000	45,000	50,000

MINOR PROJECTS FUNDING SOURCES

	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
Cap Reserve	530,000	736,334	962,334	1,728,234	975,000	705,000	851,000
Funded through budget	136,000	106,000	153,000	226,000	246,840	135,795	154,869
Genral Fund Totals	666,000	842,334	1,115,334	1,954,234	1,221,840	840,795	1,005,869
Users Fees WWTF	75,000	185,000	89,000	97,500	115,000	105,000	375,000
Media Cable Franchise fees	40,000	45,000	50,000	50,000	50,000	50,000	10,000
CIP Totals	781,000	1,092,334	1,254,334	2,101,734	1,386,840	995,795	1,390,869

Questions/Comments